# Draft Supplemental Environmental Assessment for the Lower Colorado River Basin Phase I – Wharton, Wharton, Texas

15 July 2020

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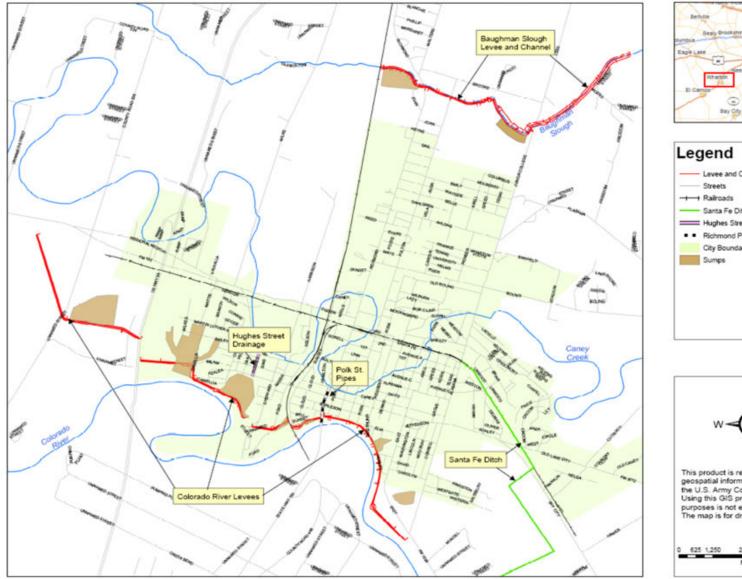
## **1.0 INTRODUCTION**

The Supplemental Environmental Assessment (SEA) for the Lower Colorado River Basin Phase I, Texas Interim Feasibility Report and Integrated Environmental Assessment, Volume III – Wharton (USACE, 2006) updates the existing environmental conditions of the and potential environmental impacts associated with the proposed flood risk management measures identified for the Wharton Flood Risk Management (FRM) project in Wharton County, Texas. The Interim Feasibility Report and Integrated Environmental Assessment (IFR/IEA) was prepared for the project and the Finding of No Significant Impact (FONSI) was signed on 10 October 2006 (USACE, 2006). Since the 2006 IFR/IEA, additional species have been added and removed from the United States Fish and Wildlife Service's (USFWS) list of threatened and endangered species. In addition, design changes identified during the Preconstruction, Engineering and Design (PED) phase of the project extend FRM structures outside of the area assessed in the 2006 IFR/IEA. This SEA assesses the impacts of project activities of the original and extended project areas on Candidate mussel species that have been added to the USFWS threatened and endangered species list and the environmental impacts of the FRM structures located outside of the previously assessed areas as identified during the PED phase of the project.

## **2.0 PROJECT DESCRIPTION**

## 2.1 Project Area

The project is located in the City of Wharton, Wharton County, Texas. The project area includes the original area assessed in the 2006 IFR/IEA (Figure 1) and additional areas addressing the Colorado River levee extension and Baughman Slough design changes (Figures 2 and 3).







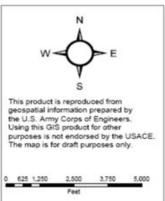


Figure 1. Project area evaluated for the 2006 IFR/IEA

## **2.2 Proposed Action**

This section discusses the design changes to the preferred alternative documented in the 2006 IFR/EA to ensure the flood risk management project provides the level of protection it was designed for. The No-Action Alternative is the project design detailed in the 2006 IFR/IEA. The Action Alternative incudes the additional design changes for the Wharton FRM project (Colorado River levee extension and the Baughman Slough design changes). The purpose of the Wharton FRM project is to reduce the flood risk to the city of Wharton by the construction of a series of earthen levees and accompanying sumps, floodwalls, a channel enlargement, storm drain type drainage structures, and an open cut ditch (Figure 1). A summary of the design changes to the Wharton and Baughman Slough structural flood risk elements (Action Alternative) is discussed below.

## 2.2.1 Colorado River Levee Extension

Design changes to the Colorado River Segment of the levee system include a 2.5 mile levee extension on the western end of the original levee system design proposed in the 2006 IFR/IEA (Figure 2.) The end of a levee is required to tie into high ground to ensure floodwaters do not flow around the levee at the flood frequency protection design. During detailed design, the elevation of the levee tie-in was not sufficient to provide the designed level of protection and was relocated at a proper elevation. This required an extension of the levee, approximately 2.5 miles, in order to tie the levee into the appropriate high ground elevation.

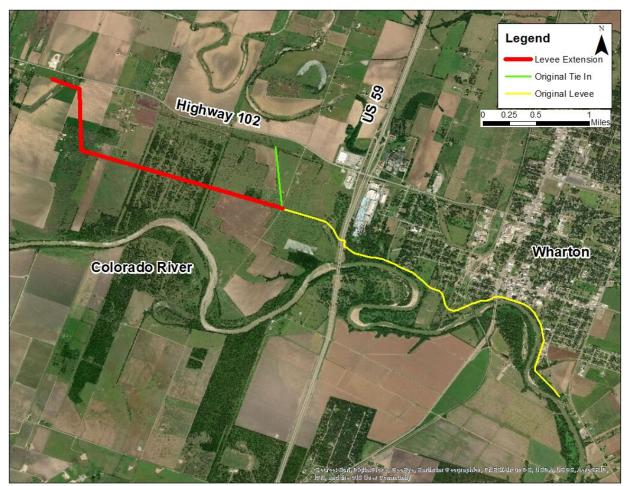


Figure 2. Location of the levee extension of the Wharton levee.

## 2.2.2 Baughman Slough Design Changes

Baughman Slough is located on the north side of Wharton (Figure X). The Baughman Slough Levee and Sumps were evaluated in the 2006 IFR/IEA. The levee system included the construction of a series of levees and floodwalls along Baughman Slough (Figure 3). The three to four foot high earthen levees will have a top width of 12 feet, with 1:3.5 side slopes with side slopes of 1 foot vertical to 3.5 feet horizontal.

The lower reaches of Baughman Slough require channel modifications to convey floodwaters. The earthen channel modifications would result in a grass-lined trapezoidal channel with a bottom width of 75 feet and 1:3.5 foot side slopes. Average depth of the flood channel is estimated to approach 4 feet with a bank-full low flow channel to convey normal flows. The channel improvements were addressed in the 2006 IFR/IEA and are summarized below in Table 1.

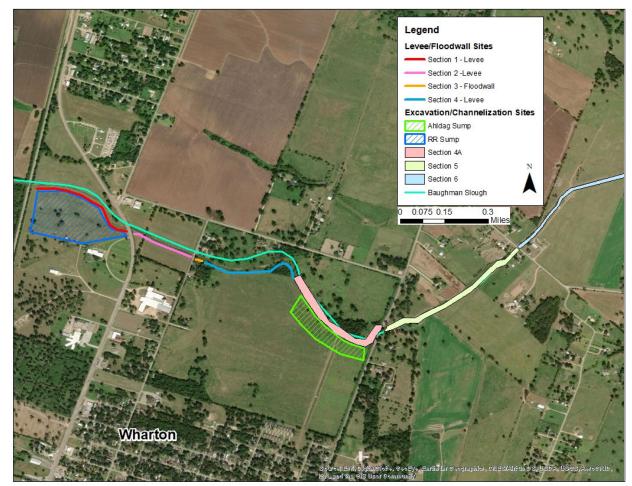


Figure 3. Baughman Slough Levee, Sump, and Channel Improvements as Evaluated in the 2006 IFR/IEA.

Reach	Start	End	Reach Description
Name	Location	Location	Keach Description
Section 1	0+00	19+80	Levee from abandoned RR embankment to Richmond Street along Baughman Slough
Section 2	19 + 80	30+40	Levee from Richmond Street to Fulton Street
Section 3	30+50	34+30	Floodwall from Fulton Street to past the home east of Fulton and south of Baughman Slough
Section 4	34+30	70 + 00	Levee from flood wall to Junior College Blvd.
Section 4A	49+50	70+00	75 foot bottom modified channel begins. Continuation of levee from station 49+50
Section 5	1+20	27+80	75 foot modified channel from Junior College Blvd. to County Road 150
Section 6	27+80	49+00	75 foot modified channel from County Road 150 to end

## Table 1: 2006 IFR/IEA Baughman Slough Elements

During PED, a more refined Hydrology and Hydraulics (H&H) analysis identified the need for modifications to the 2006 IFR/IEA levee system design. Section 1 of the Baughman Slough levee and the Railroad Sump would be relocated and extended/expanded to the south of the original alignment. The new levee would maintain the geometry of the original levee but would now extend approximately 5,200 feet from the terminus of the Section 2 Levee at 19+80 (Figure 4). The sump will be relocated to the west of the railroad right-of-way.

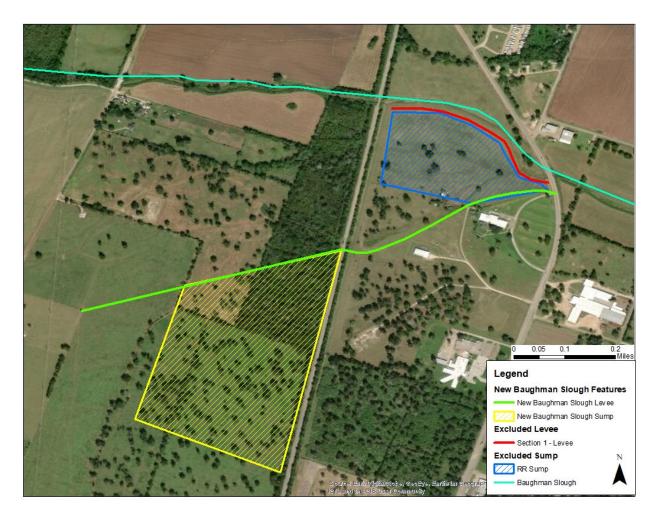


Figure 4. Baughman Slough Levee and Channel Design Changes

#### 2.2.3 Colorado River Levee Slope Protection and Outfall Structures

The Colorado River Levee design proposed in the 2006 IFR/IEA included outfall structures draining into the Colorado River from the Vineyard and Harrison sumps. The outfall structures were designed to have a headwall with parallel wings with 24-inch rock riprap extending into the river. The Vineyard Sump entails the placement of rock riprap along 72-feet of the Colorado River shoreline extending approximately 50 feet into the river. The Harrison Sump outfall structure entails the excavation of the river bank approximately 250 feet landward placing a headwall at the newly forms cut into the bank. Rock riprap would extend along the excavated section of the outfall and approximately 30 feet into the

existing aquatic habitat. Riprap would be placed along 40 feet of the Colorado River shoreline. The design of these features has not been significantly altered during PED.

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During the survey of the project site, three locations of slope failure were identified along the river that require stabilization. Two of these areas would be stabilized with turf reinforced mat with 24-inch rock riprap placed at the base while the remaining site would be stabilized with the turf mat alone. Similar to the riprap of the outfall structures, the riprap for the erosion control would extend approximately 50 feet into the Colorado River; however, the riprap would only be placed along a total of 35 feet of the shoreline.

The locations, limits, and descriptions for the outfall structures and design changes associated with the erosion protection for the levee are provided in Table 2.

Station	Structure	Shoreline Length	Rock Riprap Volume
20+12	Vineyard Sump Outfall Structure	72'	448 cy
39+31	Harrison Sump Outfall Structure	40'	250 cy
26+00	Erosion Repair	25'	448 cy
30+50	Erosion Repair	10'	91 cy
6+00	<b>Erosion Repair</b>	-	-

#### Table 2: Outfall Structures and Slope Protection for the Colorado River Levee.

## **3.0 EXISTING CONDITIONS**

This chapter presents a description of the environmental resources and baseline conditions that could be affected from implementing the proposed alternative in compliance with the National Environmental Policy Act (NEPA), the Council on Environmental Quality (CEQ), and 32 CFR 775 guidelines. The level of detail used in describing a resource is commensurate with the anticipated level of potential environmental impact. This SEA will only address the impacts of the Baughman Slough levee and sump design changes, the Colorado River Levee extension design changes, and the potential impacts of the Colorado Levee outfall structures on Candidate mussels that were identified after the publication of the 2006 IFR/IEA. Except for these design changes, no other significant design changes to the project presented in the 2006 IFR/IEA require additional assessment of project impacts on the social and natural environment. In addition, there are no significant changes to the social and natural environment that would require a reanalysis of impacts. An assessment of the changes in conditions from the 2006 report for the project modifications determined that there would be no additional impacts on air quality, climate, geology, groundwater, recreation, and socioeconomic resources and there have been no changes in the regulatory requirements for these resources. Either the resources do not occur in the proposed Colorado River levee extension or the Baughman Slough design change or the conditions for those areas would be the same as those identified in the 2006 IFR/IEA. Therefore, the existing conditions and consequences for these resources are not reported below.

## 3.1 Land Use

The Colorado Levee and Baughman Slough design changes are located on agricultural lands bordering the Wharton city limits. These areas are being used as improved pastureland, cultivation, and pecan orchards.

## 3.2 Soils

The Farmland Protection Policy Act (FPPA) (Public Law 97-98, Title XV, Subtitle I, Section 1539-1549) requires federal actions to minimize unnecessary and irreversible conversion of farmland to nonagricultural uses, specifically prime farmlands. The Act defines prime farmlands as "…land that has the best combination of physical and chemical characteristics for producing food, feed, fiber, forage, oilseed, and other agricultural crops with minimum inputs of fuel, fertilizer, pesticides, and labor, and without intolerable soil erosion…" The Natural Resources Conservation Service (NRCS) is responsible for designating soils as prime farmland soils. In addition, the Texas Department of Agriculture has designated soils that are of local importance for the production of food, feed, fiber, forage, or oilseed crops as soils of Statewide Importance.

Hydric soils are soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper horizons of the soil profile. The National Technical Committee for Hydric Soils has designated soils as hydric and includes these soils in the National Soil Information System database.

Two soil types occur within the footprint of the Colorado River levee extension: Brazoria Clay, 0- to 1percent slopes, rarely flooded and Norwood Loam, 0- to 1-percent slopes, rarely flooded. Both soil types are categorized as prime farmland soils. On average, approximately one percent of the Brazoria Clay soils and the Norwood Loam soils do not have hydric characteristics.

## **3.3 Water Resources**

Water resources include both surface water and groundwater resources; associated water quality; and floodplains. Surface water includes all lakes, ponds, rivers, streams, impoundments, and wetlands within a defined area or watershed.

The USFWS National Wetland Inventory (NWI) geospatial data identify forested/shrub and emergent wetlands on the landward side (north) of the Colorado River levee extension (Figure 5). However, none of these wetlands occur within the footprint of the levee. According to the NWI, the western end of the levee extension crosses riverine wetlands. The riverine wetland is described in the NWI as a perennial, permanently flooded riverine system. During a site visit on 3 October 2019, field observations of the riverine wetland found that the riverine wetland did not exist. Instead, the supposed wetland consisted of a minor dry depressional channel supporting facultative herbaceous wetland plant species. The footprint of the levee extension would bisect approximately 2,500 square feet of the linear depressional feature.

No wetland features are found within or adjacent to the Baughman Slough design change project areas.

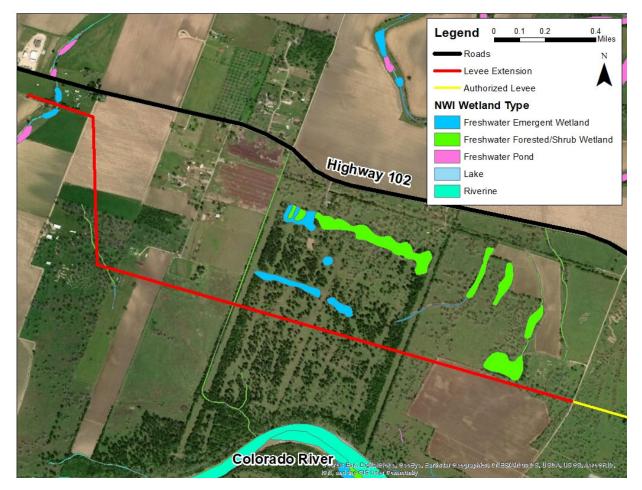


Figure 5. Surface Water and Wetlands in the Vicinity of the Colorado River Levee Extension (Source: USFWS National Wetland Inventory)

Section 305(b) of the Clean Water Act (CWA) requires states to assess the quality of the waters of the state (both surface and groundwater) and prepare a comprehensive report documenting the water quality, which is to be submitted to the EPA every 2 years. In addition, Section 303(d) of the CWA requires states to prepare a list of impaired waters on which total maximum daily loads (TMDL) or other corrective actions must be implemented. The Texas Commission of Environmental Quality (TCEQ) is the agency in Texas responsible for enforcing the water quality standards and has prepared a 2016 Texas Integrated Report and 303(d) List of impaired waters to the EPA. A Draft 2020 report has been submitted to the EPA, but has not been approved. The Colorado River is not listed as an impaired water in the Wharton County project area.

## **3.4 Biological Resources**

## 3.4.1 Vegetation

The vegetative communities for the Colorado River levee extension and the Baughman Slough design changes are consistent with improved pastures, cultivated croplands, and a pecan orchard with maintained pasture vegetation as an understory. The vegetative communities for the remaining project areas are consistent with the habitat descriptions provided in the 2006 IFR/IEA.

## 3.4.2 Threatened and Endangered Species

The USFWS Information for Planning and Consultation (IPaC) website was accessed to obtain an updated list of threatened and endangered species for Wharton County and the project area (Table 3) (USFWS, 2020). Wildlife species may be classified as threatened or endangered under the Endangered Species Act (ESA) of 1973 and protection of the species is overseen by the USFWS. The purpose of the ESA is to ensure that federal agencies and departments use their authorities to protect and conserve endangered and threatened species. Section 7 of ESA requires that federal agencies prevent or modify any projects authorized, funded, or carried out by the agencies that are "likely to jeopardize the continued existence of any endangered species or threatened species, or result in the destruction or adverse modification of critical habitat of such species."

Sections 65.171 through 65.176 of the Texas Administrative Code allows TPWD to designate State listed threatened and endangered species. In addition to the State -listed threatened and endangered species, TPWD identifies species that are monitored by the Department that are declining state-wide and in danger of being listed in the future. These species are designated as Species of Concern.

Federal and State-listed species known or expected to occur in Wharton County for the 2006 IFR/IEA and this SEA are provided in Table 3.

Common Name	Scientific Name	State Status	Listed in Report	
		Amphibians		
Houston toad	Anaxyrus houstonensis	*	E	2
Woodhouse's toad	Anaxyrus woodhousii	*	SOC	2
Strecker's chorus frog	Pseudacris sterckeri	*	SOC	2
Southern crawfish frog	Lithobates areolatus areolatus	*	SOC	2

## Table 3: Federal and State Threatened and Endangered Species for Wharton County

Common Name	Scientific Name	Federal Status	State Status	Listed in Report
		Birds		•
Reddish Egret	Egretta rufescens	*	Т	2
Eskimo Curlew	Numenius	*	**	1
	borealis	*	~ ~	1
White-faced Ibis	Plegadis chihi	*	Т	1,2
Wood Stork	Mycteria	*	Т	1,2
	americana		1	1,2
Swallow-tailed	Elanoides	*	Т	2
Kite	forficatus		1	2
Bald Eagle	Haliaeetus	**	Т	1,2
	leucocephalus		1	1,2
American	Falco peregrinus	*	**	1
Peregrine Falcon	anatum			1
Arctic Pergrine	Falco peregrinus	*	**	1
Falcon	tundrius			1
White-tailed	Buteo	*	Т	1,2
Hawk	albicaudatus			-,-
Attwater's Greater	Tympanachus	*	E	1,2
Prairie-chicken	cupido attwateri		_	- ;-
Black Rail	Laterallus	*	SOC	2
	jamaicensis			
Whooping Crane	Grus americana	E	E	1,2
Piping Plover	Charadrius	Т	Т	2
Manuta'n Dlaaan	melodus			
Mountain Plover	Charadrius	*	**	1
Red Knot	montataus Calidria carrutus			
Ked Knot	Calidris canutus	Т	SOC	2
Franklin's Gull	rufa Laucanha aug			
Flankini 8 Gun	Leucophaeus pipixcan	*	SOC	2
Interior Least	Sternula			
Tern	antillarum	Е	Е	1,2
	athalassos	Ľ	E	1,2
Western	Athene			
Burrowing Owl	cunicularia	*	SOC	2
Duitowing Owi	hypugaea		500	2
Tropical Kingbird	Tyrannus			
riopical tengona	melancholus	*	SOC	2
	metanenotas	Fish		
Alligator gar	Atractosteus			
Tillgutor gui	spatula	*	SOC	2
American eel	Anguilla rostrata	*	SOC	1,2
Texas shiner	Notropis amabilis	*	SOC	2
Smalleye shiner	Notropis buccula	*	SOC	$\frac{2}{2}$
Sharpnose shiner	Notropis			
2 marphose binner	oxyrhynchus	*	SOC	2
Chub shiner	Notropis potteri	*	SOC	2
	r r			

Common Name	Scientific Name	Federal Status	State Status	Listed in Report
Silverband shiner	Notropis	*	SOC	2
	shumardi		300	2
Blue sucker	Cycleptus	*	Т	1,2
	elongatus		1	1,2
Western creek	Erimyzon	*	Т	2
chubsucker	claviformis			
Guadalupe darter	Percina apristis	*	SOC	2
	DI I	Mammals		
Southern short-	Blarina	*	SOC	2
tailed shrew	carolinensis			
Tricolored bat	Perimyotis	*	SOC	2
D'1 1 (	subflavus	*	800	2
Big brown bat	Eptesicus fuscus	*	SOC	2
Eastern red bat	Lasiurus borealis	*	SOC	2
Hoary bat	Lasiurus cinereus	<u></u>	SOC	2
Mexican free-	Tadarida	*	SOC	2
tailed bat	brasiliensis			
Big free-tailed bat	Nyctimomops	*	SOC	2
Swamp rabbit	macrotis			
Swamp rabbit	Sylvilagus	*	SOC	2
Thirteen-lined	aquaticus Ictidomys			
ground squirrel	tridecemlineatus	*	SOC	2
Long-tailed	Mustella frenata			
weasel	musiena frenata	*	SOC	2
Mink	Neovison vison	*	SOC	2
American badger	Taxidea taxus	*	SOC	$\frac{2}{2}$
Plains spotted	Spilogale putorius			
skunk	interrupta	*	SOC	1,2
Black bear	Ursus americanus	*	**	1
Louisiana black	Ursus americanus			
bear	luteolus	*	**	1
Mountain lion	Puma concolor	*	SOC	2
		Reptiles		
Western chicken	Deirochelys	*	SOC	2
turtle	reticularia miaria	*	SOC	2
Texas map turtle	Graptemys versa	*	SOC	2
Eastern box turtle	Terrapene	*	SOC	2
	carolina	·	300	Δ
Western box turtle	Terrapene ornate	*	SOC	2
Smooth softshell	Apalone mutica	*	SOC	2
American	Alligator	*	SOC	2
alligator	mississippiensis		500	2
Slender glass	Ophiosaurus	*	SOC	2
lizard	attenuatus		500	2
Texas horned	Phrynosoma	*	Т	1,2
lizard	cornutum		*	-,-

Common Name	Scientific Name	<b>Federal Status</b>	State Status	Listed in Report	
Common garter	Thamnophis	*	SOC	2	
snake	sirtalis				
Timber	Crotalus horridus	*	Т	1,2	
rattlesnake		<b>.</b> .			
	<b>.</b> .	Insects			
American	Bombus	*	SOC	2	
bumblebee	pensylvanicus				
		Mollusks			
Smooth	Quadrula	*	Т	1,2	
pimpleback	houstonensis		-	1,2	
Texas pimpleback	Cyclonaias	С	Т	1,2	
	petrina	C	-	1,2	
Texas fawnsfoot	Truncilla	С	Т	1,2	
	macrodon	C	-	-,-	
Creeper	Strophitus	*	SOC	1	
(Squawfoot)	undulates		500	1	
False spike mussel	Quincuncina mitchelli	*	SOC	1	
Pistolgrip	Tritogonia				
ristoigrip	verrucosa	*	SOC	1	
Rock-pocketbook	Arcidens		SOC		
Rock-pocketbook	confragosus	*		1	
	congragosas	Plants			
Texas tauschia	Tauschia texana	*	SOC	2	
South Texas	Eleocharis	•	300	2	
		*	SOC	2	
spikesedge	austrotexana Bothericaldo a				
Awniess bluestem	wnless bluestem Bothriochloa *		SOC	2	
	exaristata		60		

E-Endangered; T-Threatened; C-Federal Candidate; SOC - State Species of Concern

\*\*-Not listed by USFWS or not listed as occurring in Wharton County

\*\*\*-Listed in 2006, not currently listed

1-Included in 2006 report; 2-Included in 2020 report

#### 3.4.2.1 Delisted Species

The Bald Eagle was included in the 2006 report as being proposed for delisting from the USFWS ESA list. The eagle was delisted in August 2007 and removed from the ESA list; however, the species remains on the TPWD list as a state-threatened species.

Several other species have been removed from the TPWD threatened and endangered species list since 2006. The last known siting of an Eskimo Curlew (*Numenius borealis*) occurred in 1963 and is thought to be extinct. TPWD has removed the curlew from the latest Wharton County list. TPWD also removed the American and Arctic Peregrine Falcons (*Falco peregrinus anatum* and *F.p. tundrius*, respectively) from the state list as well as the Louisiana black bear/black bear (*Ursus americanus luteolus*). Since the 2006 report, TPWD has added the Reddish Egret (*Egretta rufescens*), Swallow-tailed Kite (*Elanoides forficatus*), Piping Plover (*Charadrius melodus*), Black Rail (*Laterallus jamaicensis*), and western creek chubsucker (*Erimyzon claviformis*) to the State list as threatened species. Finally, TPWD added 40 species as Species of Concern since the completion of the 2006 report.

#### 3.4.2.2 Candidate Species

Three mussels were added to the federal threatened and endangered species list as Candidate species in 2010: the smooth pimpleback (*Quadrula houstonensis*), Texas fawnsfoot (*Truncilla macrodon*), and Texas pimpleback (*Cyclonaias petrina*). These three mussel species were listed as threatened by TPWD in 2006 and continue to be listed. The Texas Natural Diversity Database reports known locations for the three listed mussels in the Colorado River within the project area.

#### <u>Least Tern</u>

Least terns are the smallest of the North American terns. The terns winter along the Texas coast and breed along the coast and on sandbars of large rivers. The terns are colonial nesters with nests as close as 10 to 30 feet apart. Nesting habitat for the terns includes bare or sparsely vegetated sand, shell, and gravel beaches, sandbars, islands, and salt flats associated with rivers and reservoirs. The terns prefer open flats and tend to avoid thick vegetation and narrow beaches. Least tern feed in shallow water with an abundance of fish, preferably near the nesting grounds. No critical habitat has been designated for the least tern. No habitat for the least tern exists in the Colorado River levee extension or Baughman Slough project areas. Nesting habitat may occur in the dynamic sandbar system of the Colorado River.

#### **Piping Plover**

Piping plovers nest on wide, gravelly beaches with little vegetation in alkali lakes and wetlands, inland lakes, reservoirs, and major rivers in the northern Atlantic coast, Great Lakes region, and around waterbodies of the Great Plains and Canada. Wintering habitat includes beaches, tidal sand flats, mud flats, algal mats, washover passes, and small dunes, where they feed primarily on small invertebrates (Campbell 2003). The migration and wintering period may last as long as 10 months (mid-July through mid-May) (USFWS 2012). Migration to breeding grounds may occur from mid-February through mid-May, with peak migrations in March (USFWS 2012). Piping plovers can also be seen foraging along sandy, wet areas along waterways and wetlands beaches. Wintering piping plovers forage on invertebrates located on top of the sand or just below the surface along wrack lines (organic material including seaweed, seashells, driftwood, and other materials deposited on beaches by tidal action). Specific prey items may include polychaete marine worms, crustaceans, fly larvae, beetles, and bivalve mollusks (USFWS 2012). No habitat for the piping plovers exist in the Colorado River levee extension, Baughman Slough or the Colorado River levee slope protection and outfall structure areas.

Critical habitat for the wintering population of piping plovers was designated in July 2001, and is currently divided into 141 units totaling over 250,000 acres across eight states (USFWS 2001, 2008, 2009a). Eighteen (18) of these units are located along the Texas coastline and comprise roughly 139,000 acres. There is no critical habitat located within the project area.

#### <u>Red Knot</u>

The red knot is a medium to large shorebird. The red knot was listed as threatened on December 11, 2014 (79 FR 73706). The red knot breeds in tundra habitat of the central Canadian arctic, between May and mid-July, and winters along the U.S. coastline from North Carolina to Texas and south to Tierra del Fuego in South America between July and May; however, non-breeding red knots are known to remain in Texas year-round. Wintering habitat includes tidal flats, beaches, and oyster reefs, where they feed primarily on small invertebrates, particularly clams (Newstead 2012, Newstead et al. 2013, USFWS

2011). No habitat for the piping plovers exist in the Colorado River levee extension, Baughman Slough or the Colorado River levee slope protection and outfall structure areas.

#### Whooping Crane

The whooping crane occurs only in North America and is North America's tallest bird, with males approaching 5 feet when standing erect. The whooping crane was listed as endangered on March 11, 1967 (32 FR 4001) and whooping crane critical habitat first designated on May 15, 1978 (43 FR 20938). Whooping cranes currently exist in the wild at three locations and in captivity at 12 sites. There is only one self-sustaining wild population, the Aransas-Wood Buffalo National Park population, which nests in Wood Buffalo National Park (WBNP) and adjacent areas in the Northwest Territories and Alberta provinces of Canada, and winters mainly in and adjacent to Aransas NWR along the central Texas coast in Aransas, Calhoun, and Refugio Counties. The cranes migrate during spring and fall through an approximately 200-mile-wide corridor between Aransas NWR and WBNP. The migration corridor basically follows a straight line through the Great Plains, with the cranes traveling through Alberta, Saskatchewan, extreme eastern Montana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, and Texas (CWS and USFWS 2007). The birds begin to arrive at their wintering grounds in mid-October, with most birds arriving from late October through mid-November (CWS and USFWS 2007). Spring migration generally begins in late March, with some birds remaining on the wintering grounds into early May.

Whooping cranes use a variety of habitats during migration, including croplands for feeding and wetlands for roosting (Howe 1987, 1989; Lingle 1987; Lingle et al. 1991). According to Austin and Richert (2001), the migrant whooping cranes observed at feeding sites have primarily been recorded in upland cropfields, including row crop stubble, small grain stubble, and green crops such as winter wheat (Triticum aestivum) and alfalfa (Medicago sativa). Whooping cranes have also been observed feeding in palustrine wetlands, seasonally flooded habitats, permanent water, pastures, and meadows (Austin and Richert 2001).

Austin and Richert (2001) report that migrant whooping cranes roost predominantly in palustrine or riverine wetland systems, with these types of wetlands accounting for 91.5% of roost sites recorded. Most palustrine roost sites were adjacent to cropland or grassland; less than 8% of palustrine roost sites were reported as occurring adjacent to woodland (Austin and Richert 2001). When using riverine habitat, whooping cranes roost on submerged sandbars in wide, unobstructed channels ranging from 249 to 1,500 feet wide (Armbruster 1990). Austin and Richert (2001) report that remaining roost sites were mostly lacustrine wetlands (7.8% of occurrences) or flooded cropland (2.8% of occurrences). Studies of whooping cranes in migration indicate that they prefer to roost in wetlands that are less than 10 acres in size, have good horizontal visibility, have water depth of 12 inches or less, and generally occur adjacent (or within 0.62 mile) of cropland feeding areas (Howe 1987, 1989; CWS and USFWS 2007; USFWS 2009b). Studies cited by CWS and USFWS (2007) suggest landscapes characterized as "wetland mosaics" provide the most suitable stopover habitat. Whooping cranes also overwinter on the Texas coast, mostly in the area surrounding the Aransas NWR. They utilize salt marshes and tidal flats on the mainland and barrier islands.

The riprap placement areas for the outfall structures and erosion protection areas associated with the Wharton levee are located along the outside bends and cut banks. No wetlands occur along the bank and the cutbanks are located along the deeper thalweg of the river. The habitat of the shoreline elements of the project area is inconsistent with the habitat requirements for the whooping cranes.

#### **Texas Pimpleback**

The Texas pimpleback typically occurs in moderately sized rivers, usually in mud, sand, gravel, and cobble, and occasionally in gravel-filled cracks in bedrock slab bottoms (Horne and McIntosh 1979, Howells 2002a). The species has not been found in water depths over 2 m (6.6 ft.) or in reservoirs, which indicates that this species is intolerant of deep, low velocity waters created by artificial impoundments (Howells 2002b). In fact, Texas pimpleback appear to tolerate faster water more than many other mussel species (Horne and McIntosh, 1979).

The Texas pimpleback is endemic to the Colorado and Guadalupe-San Antonio River basins of central Texas (Howells 2002b, 2010b). The Texas pimpleback once occurred throughout the mainstem and major tributaries of the Colorado River and in many major tributaries. The Texas pimpleback has declined significantly rangewide, and only four streams - the San Saba River, Concho River, Guadalupe River, and San Marcos River - are known to harbor persisting Texas pimpleback populations. These populations are disjunct, small, and isolated. It has likely been extirpated from the mainstem Colorado River. The Concho River contains the most abundant population of Texas pimpleback and one of only two populations of the species likely to be remaining in the Colorado River system, but most individuals are old and there has been very little evidence of recruitment. The species has been extirpated from the remainder of its historical range.

#### Texas Fawnsfoot

The Texas fawnsfoot is endemic to the Brazos and Colorado Rivers of central Texas (Howells et al., 1996). Historical records suggest the Texas fawnsfoot inhabited much of the Colorado River, from Wharton County upstream as far as the North Fork Concho River in Sterling County and throughout the Concho, San Saba, and Llano Rivers and Onion Creek within the Colorado River basin (Howells 2010c).

Very little information is available about its habitat preferences for the Texas fawnsfoot. In the past, Texas fawnsfoot shells and recently dead individuals were occasionally found along rivers following droughts or along banks after high floods. These shells and recently dead individuals indicated that the Texas fawnsfoot occurs in rivers with soft, sandy sediment with moderate water flow (Howells 2010c).

The Texas fawnsfoot has been eliminated from almost all of the Colorado River system. Live individuals were found in the lower mainstem Colorado River in 2009, and the only other evidence of current occurrence of Texas fawnsfoot in the Colorado River basin is in the San Saba River, where a population persists. In the mainstem Colorado River, the Texas fawnsfoot historically occurred in Wharton County upstream into the headwaters (OSUM 2011). Given the historical, but limited findings of individuals in Wharton County, it is unlikely, but possible. It is possible that Texas fawnsfoot mussels could occur in the study area.

### Wildlife

Wildlife within the project area is typical of pasture and cultivated cropland associated with agricultural practices. The Migratory Bird Treaty Act and Bald and Golden Eagle Protection Act provide protection for impacts to migratory birds and eagles. The pecan orchard provides potential habitat for migratory birds and bald eagles. However, no bald eagle nests were observed in the pecan trees associated with the orchard.

## 3.5 Hazardous, Toxic, and Radioactive Waste

## 3.5.1 2006 IFR/IEA Report Project Area

A Hazardous, Toxic, and Radioactive Waste (HTRW) assessment was conducted in 2003 by USACE for the 2006 IFR/IEA. The 2003 assessment found three sites with suspected HTRW concerns:

- Wharton County Sheriff Department – 100 East Burleson Street. Identified the property as containing one registered Leaking Underground Storage Tank (UST), with minor soil contamination, located within 321 ft. of the project boundary.

- Wharton City Hall – 101 West Burleson Street. Identified the property as containing one registered Leaking Underground Storage Tank (UST), also with minor soil contamination, also located within 321 ft. of the project boundary.

- City of Wharton Landfill – 803 South Sheppard Street. Identified the property as containing an active landfill/solid waste disposal facility, located within 200 ft. of the project boundary.

Besides the three identified sites, the 2003 assessment also concluded that any soil excavated and disposed as part of future investigations, design, construction, and/or operation must be "appropriately tested", and that a Phase II assessment may be required. Additionally in 2005, a site walk was conducted to look for obvious signs of HTRW, but none were found.

In order to complete a feasibility level HTRW evaluation update for the proposed Wharton Levee project, a records search was conducted following the rules and guidance of ER 1165-2-132: *HTRW Guidance for Civil Works Projects*, and portions of ASTM E1527-13: *Standard Practice for Environmental Site Assessment: Phase 1 Environmental Site Assessment Process.* Several environmental conditions were identified in the evaluation update and are provided in Table 4.

Environmental Condition	Affected Project Segment (See HTRW Appendix A)
Existing domestic water wells	Colorado River Levee Extension and Soil Disposal Area
Plugged gas well	CR-2, Vineyard Sump
Existing natural gas lines and water wells	BS-1, BS-2, BS-4, and BS-5
JM Eagle Storage/Disposal Area	CR-2

### Table 4. Areas Identified in the Phase I Investigation

The 2019 HTRW records review identified two landfills that were not identified in the 2003 IFR/IEA records review for: a closed landfill immediately south (waterward) of the CR-2 levee alignment and a possible past landfill or disposal area located in the Riverfront Park area of the CR-5 and CR-5A levee alignment. In addition, a plugged gas well was identified near the CR-2 levee alignment approximately 500 feet east of Highway 59. During a scoping meeting of the Wharton FRM design changes, project stakeholders raised concerns about possible HTRW issues with areas adjacent to the JM Eagle and Nan Ya Plastic Corporation facilities located north of the Colorado River and east of Highway 59. Both facilities are permitted generators of hazardous waste. Uncontrolled air emission releases have occurred at both locations: JM Eagle in January 2006 and Nan Ya Plastics Corporation in February 2003. Given the information discovered, there are no environmental conditions (except for the JM Eagle Storage/Disposal Area identified in Table 4) for these two areas.

### 3.5.2 Colorado River Levee Extension and Baughman Slough Design Changes

An HTRW records review was conducted on 24 April 2019 to address areas associated with the Colorado River levee extension and the design changes to the Baughman Slough structure. No new HTRW sites were identified for the new FRM project features.

## **3.6 Cultural Resources**

Section 106 compliance, pursuant to 36 CFR Part 800 of the regulations implementing Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108), for this undertaking is governed by a 2012 Programmatic Agreement (PA) entitled, "Programmatic Agreement Between the US Army Corps of Engineers, and State Historic Preservation Officer, Regarding the Lower Colorado River Basin Interim Feasibility Report and Integrated Environmental Assessment, Travis and Wharton Counties, Texas". Pursuant to this PA, the Area of Potential Effect (APE) has been established for all horizontal construction footprints related to this undertaking. Known terrestrial archaeological resources previously identified within the APE consist of one archaeological site (41WH107) recommended as Not Eligible for listing in the National Register of Historic Places (NRHP). Known architectural resources within (or partially within) the APE consist of the Wharton County Courthouse Historic Commercial District, and numerous buildings, structures and objects listed in the NRHP, or recommended as eligible for listing in the NRHP.

Archaeological and historical structure surveys are currently being conducted during the PED phase of the project in compliance with the PA. The results of both surveys will be used in consultation with the Texas State Historic Preservation Officer (SHPO) and appropriate Tribal Nations seeking concurrence on the results of the surveys and the proposed effects determinations for each to comply with the PA for this undertaking. The results of these surveys will also be used in determining direct, indirect and cumulative effects on any identified historic properties (i.e., resources determined eligible for listing in the NRHP).

## 4.0 Environmental Consequences

## 4.1 Land Use

The Colorado River levee extension and the Baughman Slough design changes would convert approximately 38.6 acres and 14.9 acres of agricultural land use, respectively, to flood control uses.

## 4.2 Soils

The Colorado River levee extension footprint would permanently disturb approximately 23.1 acres of prime farmland soils and 15.5 acres would temporarily be disturbed to accommodate construction activities. Table 5 identifies the prime farmland soil impacts for each soil type for the Colorado levee extension. The Baughman Slough levee redesign would disturb 14.9 acres of Brazoria Clay soils with 9.0 acres permanently converted to the levee footprint. The relocated sump permanently disturb 72.4 acres associated with the excavation of the levee and construction of the sump berms. The FPPA requires coordination with the NRCS for projects that would remove prime farmland soils from production. A USDA Farmland Conversion Impact Rating Form AD-1006 (Appendix B) was submitted to the NRCS on 1 June 2020 to initiate that coordination. The NRCS determined that the Colorado River levee extension and the Baughman Slough Land Evaluation and Site Assessment does not require further coordination or warrant further protection (Appendix B).

Soil Type	Soil Type Total (ac)	Permanent Impact (ac)	Temporary Impact (ac)
Brazoria Clay, 0- to 1-percent slopes, rarely flooded	22.54	13.52	9.02
Norwood Loam, 0- to 1-percent slopes, rarely flooded	14.92	8.95	5.97
Norwood Loam, 1- to 5-percent slopes, rarely flooded	1.10	0.66	0.44
Total Acres	38.57	23.14	15.43

### Table 5. Prime Farmland Soil Impacts of the Colorado River Levee Extension

NRCS, 2020

## 4.3 Water Resources

## 4.3.1 Floodplains

EO 11998 requires federal agencies to avoid, to the extent possible, the short- and long-term adverse impacts associated with the occupancy and modification of the floodplains. Federal agencies are to avoid direct and indirect support of floodplain development wherever there is a practicable alternative. In accomplishment of this objective, "each agency shall provide leadership and shall take action to reduce the risk of flood loss, to minimize the impact of floods on human safety, health, and welfare, and to restore and preserve the natural and beneficial values served by floodplains in carrying out its responsibilities."

The proposed Colorado River levee extension and Baughman Slough design changes would not result in any additional short- and long-term occupancy or development from what was identified in the 2006 IFR/IEA. The design changes identified in this report merely ensure that the proposed flood risk management plan satisfies the level of protection and function of the plan identified in the 2006 report.

## 4.3.2 Surface Water Colorado River Levee Extension and Baughman Slough Design Changes

The Colorado River levee and the Baughman Slough design changes would not result in impacts to surface waters. As discussed in the Water Resources Section of the Existing Conditions Chapter, the riverine system identified in the NWI geospatial database at the northwestern end of the Colorado River levee extension is mischaracterized and instead consists of an ephemeral swale. The NRCS soil survey identify the soils in the swale as Norwood Loam, 1- to 5-perent slopes, rarely flooded (NoB). The NoB soil type does not have hydric characteristics and is not considered a hydric soil. The Baughman Slough levee would no longer parallel Baughman Slough, but instead veers to the west across uplands away from the Slough. The relocated sump would also be located in upland areas with an elevated railroad grade between the sump and the slough.

## **Colorado River Slope Protection/Outfall Structures**

The impacts to the Colorado River associated with the slope stabilization and outfall structures are discussed in the 2006 IFR/IEA. No additional impacts not identified in the previous report would be expected.

## 4.3.3 Wetlands Colorado River Levee Extension and Baughman Slough Design Changes

The USFWS NWI database identified several forested/shrub and emergent wetlands occurring in the vicinity of the Colorado River levee extension. The levee extension was designed to avoid these wetland areas. As discussed above, field surveys conducted at the northwestern end of the Colorado River levee extension determined that the riverine system identified by the USFWS NWI database was a drainage swale that contains no hydric soils. Although herbaceous facultative wetland vegetation sparsely occupied the drainage swale, the swale did not exhibit characteristics of a water of the U.S. No wetlands were identified within the Baughman Slough levee and sump relocations.

## Colorado River Slope Protection/Outfall Structures

Although the slope protection structures along the Colorado River would affect the river banks; there would be no placement of fill in the Colorado River or other wetlands or waters of the U.S. The impacts associated with the outfall structures were assessed in the 2006 IFR/IEA and the mitigation of those impacts are documented in that report.

## 4.3.4 Water Quality Colorado River Levee Extension and Baughman Slough Design Changes

Neither the Colorado River levee extension nor the relocation of the Baughman Slugh levee and sump would impact waters of the U.S.

### **Colorado River Slope Protection/Outfall Structures**

The updated 2018 and Draft 2020 303(d) Texas Integrated Report do not list the Colorado River in the project area as an impaired water body. Impacts and mitigation measures addressing water quality associated with the slope protection and the outfall structures of the Colorado River levee are provided in the 2006 IFR/IEA report.

## **4.4 Biological Resources**

## 4.4.1 Vegetation Colorado River Levee Extension

The agricultural land use of the Colorado River Levee Extension influences the vegetative community in the project area. Native prairies and woodlands that historically occupied the project area have been lost to improved pastures, cultivated croplands, and pecan groves. Approximately 50 percent of the levee extension footprint would occur on pastureland, 30 percent on cultivated croplands, and 20 percent on an old pecan orchard (Table 6). The levee extension would permanently convert 23.1 acres of agricultural lands to the flood control levee and temporarily impact approximately 15.4 acres of agriculture lands during construction activities. Although the temporarily impacted lands could be reverted back to agricultural land uses, the 3.4-acre loss of any mature pecan trees in the orchard would require approximately 10-15 years recoup the crop production.

Vegetation Community		Vegetation Community Total (ac)	Permanent Impact (ac)	Temporary Impact (ac)	
Pasture		19.27	11.56	7.71	
Cropland		10.83	6.50	4.33	
Pecan Orchard		8.47	5.08	3.39	
	Total	38.57	23.14	15.43	

### Table 6. Impacts to Vegetation Communities for the Colorado River Levee Extension

## **Baughman Slough**

The vegetation community for the Baughman Slough segment of the project is also influenced by the agricultural practices in the area. The rerouting of the Baughman Slough levee would impact 4500 linear feet of vegetation consisting of 725 linear feet of shrubland/early successional woodland and 3775 linear feet of improve pasture. The resulting levee would permanently convert approximately and 1.2 acres early successional woodland and 6.5 acres of improved pasture to flood control use. The relocated Baughman Slough Sump would result in the conversion of approximately 13.5 acres of early successional woodland to vegetation similar to the adjacent improved pasture. Due to the delayed release of stormwater runoff do to the function of the sump, it is possible that the vegetation in the sump would trend more to a mesic vegetative community.

### **Colorado River Levee Slope Protection and Outfall Structures**

Little to no vegetation exists vegetation occurs on the eroded banks where the slope protection would be constructed. Impacts to vegetation resulting from the construction of the outfall structures is addressed in the 2006 IFR/IEA.

## 4.4.2 Threatened and Endangered Species Colorado River Levee Extension

No aquatic habitat occurs within the Colorado River levee extension project areas; therefore, there is no chance of encountering any of the Candidate mussel species. Due to the agricultural influences, no suitable habitat occurs for listed species; therefore, there would be "no effect" on threatened or endangered species.

### **Baughman Slough**

No Candidate mussels were identified during the 3 October 2019 mussel survey. The USFWS mussel survey report concluded that due to the intermittent hydrology, habitat impacts from agricultural practices of the adjacent lands, and the survey results, Candidate mussels would not occur in the Baughman Slough project area (Appendix C). Due to the agricultural influences, no suitable habitat occurs for listed species; therefore, there would be "no effect" on threatened or endangered species. <u>Colorado River Levee Slope</u> **Protection and Outfall Structures** 

Based on the TPWD NDD and informal discussions with USFWS and TPWD biologists, there is a high probability for the Candidate mussels to occur in the Colorado River within the project area. Although Candidate species do not trigger Section 7 consultation with the USFWS, a Biological Assessment (BA) documenting potential impacts to the mussels and other listed species in the project area was provided to the USFWS on 1 June 2020 Appendix D. The BA documents the USACE determination that the proposed action would have "no effect" on listed species; although the construction of the Colorado River levee slope protection and outfall structures may encounter the smooth pimpleback, Texas pimpleback, and Texas fawnsfoot mussels. The USFWS and TPWD will be notified prior to the construction of the outfall structures and erosion protection so they may survey the project area and relocate any mussels found.

## 4.4.3 Wildlife

Although no bald eagles or nests were identified during the field survey of the project area, bald eagle nests have been observed within one mile of the project areas. Should nesting or transient bald eagles enter the project area during construction, mitigation measures would be implemented as prescribed in the National Bald Eagle Management Guidelines (Appendix E). If feasible, the clearing of woody vegetation would be conducted outside of the breeding season (March – August) to minimize impacts to migratory birds.

## 4.5 Hazardous, Toxic, and Radioactive Waste

Although no new HTRW concerns were identified in the 24 April 2019 survey, several low risk HTRW conditions may exist in the project areas (Table 7). Prior to construction in these areas, an HTRW contingency plan will be developed in the event that hazardous materials are found during the excavation of the FRM features. This plan will outline procedures for identifying and responding to the potential discovery of HTRW. This plan will be reviewed and approved by USACE before mobilization for construction.

Environmental Condition	Affected Project Segment	Risk	Recommendation
Plugged gas well	CR-2, Vineyard Sump	Low	Construction in this area will need to be done with care, and should have an HTRW plan in place in case the well is encountered.
Existing natural gas lines and water wells	BS-1, BS-2, BS-4, and BS-5	Low	Relocation of existing well and natural gas lines may need to occur before construction.
JM Eagle Storage/Disposal Area	CR-2	Low	Construction in this area will need to be done with care, and should have an HTRW plan in place in case waste is encountered.

#### Table 7. HTRW Sites within the Wharton Study Area

## **4.5 Cultural Resources**

Cultural resource surveys and architectural surveys of the APE are currently being conducted during the PED phase of the project. The extended areas associated with the Colorado River levee extension and the Baughman Slough design changes are being included in those surveys. The results of both surveys will be used in consultation with the Texas State Historic Preservation Officer (SHPO) and appropriate Tribal Nations seeking concurrence on the results of the surveys and the proposed effects determinations for each to comply with the PA for this undertaking. The results of these surveys will also be used in determining direct, indirect and cumulative effects on any identified historic properties (i.e., resources determined eligible for listing in the NRHP).

## **5.0 CUMULATIVE IMPACTS**

CEQ regulations define a cumulative impact as an effect which results from the incremental impact of the action when added to other past, present and reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such other actions (40 CFR Section 1508.7). Relatively minor individual impacts may collectively result in significant cumulative impacts. Project-related direct and indirect impacts must be analyzed in the context of non-project-related impacts that may affect the same resources. Cumulative impacts are the incremental impacts that the project's direct or indirect impacts have on a resource in the context of other past, present and future impacts on that resource from related or unrelated activities.

Unlike direct impacts, quantifying cumulative impacts may be difficult since a large part of the analysis requires forecasting future trends of resources in the study area and future projects that may impact these resources.

The initial step of the cumulative impacts analysis uses information from the evaluation of direct and indirect impacts in the selection of environmental resources that should be evaluated for cumulative impacts. The proposed action would not contribute to a cumulative impact if it would not have a significant direct impact on a resource or an indirect effect on a resource in declining health. Based on the analysis documented in the Environmental Consequences section, no direct or indirect impacts would meet the criteria to initiate a cumulative impact assessment.

## **6.0 Environmental Compliance**

Federal projects must comply with Federal and State environmental laws, regulations, policies, rules, and guidance. Significant coordination with local, state, and federal resource agencies has occurred during the 2006 IFR/IEA and the 2020 SEA. The compliance with environmental laws and executive orders that have been implemented since the 2006 report or involve resources or project areas not addressed in the 2006 report are addressed in Table 8 presented below.

Policy	<b>Compliance Status</b>	<b>Report Section</b>		
Public Laws				
Abandoned Shipwreck Act of 1988, as amended	Not Applicable	-		
Archeological and Historic Preservation Act of 1974, as	In Progress	4.5		
amended				
Bald and Golden Eagle Protection Act of 1940, as amended	Compliant	4.4.3		
Clean Air Act of 1970, as amended	Compliant	2006 IFR/IEA		
Clean Water Act of 1972, as amended	Compliant	4.3		
Coastal Barrier Resources Act of 1982, as amended	Not Applicable	-		
Coastal Zone Management Act, as amended	Not Applicable	-		
Endangered Species Act of 1973, as amended	Compliant	4.4.2		
Farmland Protection Policy Act of 1981	Compliant	4.2		
Fish and Wildlife Coordination Act of 1934, as amended	In Progress	2006 IFR/IEA		
Manguson-Stevens Fisheries Conservation and Management	Not Applicable	-		
Act of 1976, as amended				
Marine Mammal Protection, Research, and Sanctuaries Act of	Not Applicable	-		
1970, as amended				
Migratory Bird Treaty Act of 1918, as amended	Compliant	4.4.3		
National Environmental Policy Act of 1970, as amended	Compliant	2006 and 2020 EA		
National Historic Preservation Act of 1966, as amended	In Progress	4.5		
Native American Graves Protection and Repatriation Act of	Not Applicable	-		
1990				
Rivers and Harbors Act of 1899, as amended	Not Applicable			
Wild and Scenic Rivers Act, as amended	Not Applicable	-		
Executive O	rders			
Environmental Justice (E.O. 12898)	Compliant	2006 IFR/IEA		
Flood Plain Management (E.O. 11988)	Compliant	4.3.1		
Protection of Wetlands (E.O. 11990)	Compliant	4.5.4		
Protection of Children from Environmental Health Risks (E.O.	Compliant	2006 IFR/IEA		
13045)				
Invasive Species (E.O. 13112)	Compliant	2006 IFR/IEA		
Migratory Birds (E.O. 13186)	Compliant	4.4.3		

### Table 8. Environmental Compliance of the TSP

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## FINDING OF NO SIGNIFICANT IMPACT

### Supplemental Environmental Assessment for the Lower Colorado River Basin Phase I - Wharton

#### Wharton Texas

The U.S. Army Corps of Engineers, Fort Worth District (Corps) has conducted an environmental analysis in accordance with the National Environmental Policy Act of 1969, as amended. The final Supplemental Environmental Assessment (SEA) dated 1 June 2020, for the Lower Colorado River Basin Phase I - Wharton addresses Flood Risk Management opportunities and feasibility in the Wharton, Texas. The final recommendation is contained in the report of the Fort Worth District Commander, dated 1 June 2020.

The SEA, incorporated herein by reference, evaluated design changes and updated the assessment of environmental impacts addressed in the 2006 Lower Colorado Basin Phase I, Texas Interim Feasibility Report and Integrated Environmental Assessment (IFR/IEA), Volume III – Wharton for the construction of the recommended flood risk management plan. The recommended plan identified in the 2006 report is the National Economic Development (NED) Plan. Design changes required for the construction of the recommended plan include:

- A 2.5-mile western extension of the Colorado River Levee required to tie the levee in to high ground,
- And, the relocation of the Baughman Slough levee and sump.

The SEA also updates the environmental conditions of the project area and assesses the environmental impacts for the 2.5-mile Colorado River Levee extension and the relocated Baughman Slough Levee and Sump that were not include in the 2006 IFR/IEA.

For the design changes and extended project areas, the potential effects were evaluated, as appropriate. A summary assessment of the potential effects of the recommended plan are listed in Table 1:



	Insignificant effects	Insignificant effects as a result of mitigation*	Resource unaffected by action
Aesthetics			$\boxtimes$
Air quality			$\boxtimes$
Aquatic resources/wetlands			$\boxtimes$
Invasive species			$\boxtimes$
Fish and wildlife habitat	$\boxtimes$		
Threatened/Endangered species/critical habitat			$\boxtimes$
Historic properties		$\boxtimes$	
Other cultural resources		$\boxtimes$	
Floodplains	$\boxtimes$		
Hazardous, toxic & radioactive waste			$\boxtimes$
Hydrology			$\boxtimes$
Land use	$\boxtimes$		
Navigation			$\boxtimes$
Noise levels			$\boxtimes$
Public infrastructure			$\boxtimes$
Socio-economics			$\boxtimes$
Environmental justice			$\boxtimes$
Soils	$\boxtimes$		
Tribal trust resources			$\boxtimes$
Water quality			$\boxtimes$
Climate change			$\boxtimes$

#### **Table 1: Summary of Potential Effects of the Recommended Plan**

All practicable and appropriate means to avoid or minimize adverse environmental effects were analyzed and incorporated into the recommended plan. Best management practices (BMPs) as detailed in the Section 4.0 of the SEA will be implemented, if appropriate, to minimize impacts.

No compensatory mitigation is required as part of the recommended plan.

Public review of the draft IFR/EA and FONSI was completed on 14 August 2020. All comments submitted during the public review period were responded to in the Final SEA and FONSI.

Pursuant to section 7 of the Endangered Species Act of 1973, as amended, the U.S. Army Corps of Engineers determined that the recommended plan will have no effect on federally listed species or their designated critical habitat.

Section 106 compliance, pursuant to 36 CFR Part 800 of the regulations implementing Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108), for this undertaking is governed by a 2012 Programmatic Agreement (PA) entitled, "Programmatic Agreement Between the US Army Corps of Engineers, and State Historic Preservation Officer, Regarding the Lower Colorado River Basin Interim



Feasibility Report and Integrated Environmental Assessment, Travis and Wharton Counties, Texas". Pursuant to this PA, the Area of Potential Effect (APE) has been established for all horizontal construction footprints related to this undertaking. Known terrestrial archaeological resources previously identified within the APE consist of one archaeological site (41WH107) recommended as Not Eligible for listing in the National Register of Historic Places (NRHP). Known architectural resources within (or partially within) the APE consist of the Wharton County Courthouse Historic Commercial District, and numerous buildings, structures and objects listed in the NRHP, or recommended as eligible for listing in the NRHP. Cultural resource surveys and architectural surveys of the APE are pending. The results of both surveys will be used in consultation with the Texas State Historic Preservation Officer (SHPO) and appropriate Tribal Nations seeking concurrence on the results of the surveys and the proposed effects determinations for each to comply with the PA for this undertaking. The results of these surveys will also be used in determining direct, indirect and cumulative effects on any identified historic properties (i.e., resources determined eligible for listing in the NRHP).

All applicable environmental laws have been considered and coordination with appropriate agencies and officials has been completed.

Technical, environmental, economic, and cost effectiveness criteria used in the formulation of design changes were those specified in the Water Resources Council's 1983 <u>Economic and Environmental</u> <u>Principles and Guidelines for Water and Related Land Resources Implementation Studies</u>. All applicable laws, executive orders, regulations, and local government plans were considered in evaluation of the design changes. Based on this report, the reviews by other Federal, State and local agencies, Tribes, input of the public, and the review by my staff, it is my determination that the recommended plan would not cause significant adverse effects on the quality of the human environment; therefore, preparation of an Environmental Impact Statement is not required.

28 August 2020

Kenneth N. Reed Colonel, Corps of Engineers District Commander

# Appendix A – Hazardous, Toxic, and Radioactive Waste Report

## Wharton Levee Hazardous, Toxic, Radioactive Waste (HTRW) Update 13 November 2019

## 1.0 Introduction

As part of the Wharton Levee project restart in 2018-19, the Hazardous, Toxic, Radioactive Waste (HTRW) assessment originally conducted in 2003 and 2005 must be updated. In order to complete this update, a records review was conducted following the rules and guidance of ER 1165-2-132: *HTRW Guidance for Civil Works Projects*, and portions of ASTM E1527-13: *Standard Practice for Environmental Site Assessment: Phase 1 Environmental Site Assessment Process*.

## 2.0 Previous Assessments

An HTRW assessment was conducted in 2003 by the U.S. Army Corps of Engineers, Fort Worth District (USACE) as part of the feasibility/environmental assessment document. The 2003 assessment found three sites with suspected HTRW concerns:

- Wharton County Sheriff Department 100 East Burleson Street. Identified the property as containing one registered Leaking Underground Storage Tank (UST), with minor soil contamination, located within 321 ft. of the project boundary.
- Wharton City Hall 101 West Burleson Street. Identified the property as containing one registered Leaking Underground Storage Tank (UST), also with minor soil contamination, also located within 321 ft. of the project boundary.
- City of Wharton Landfill 803 South Sheppard Street. Identified the property as containing an active landfill/solid waste disposal facility, located within 200 ft. of the project boundary.

Besides the three identified sites, the 2003 assessment also concluded that any soil excavated and disposed as part of future investigations, design, construction, and/or operation must be "appropriately tested", and that a Phase II assessment may be required. Additionally in 2005, a site walk was conducted to look for obvious signs of HTRW, but none were found. The conclusions of these previous assessments will be revisited as part of this project update.

### 3.0 Records Review

As part of the Wharton project update, USACE conducted a records review. In the records review, files, maps and other documents that provide environmental information about the project area are obtained and reviewed. To complete the records review, USACE reviewed publicly available databases and sources, along with a comprehensive search of federal and state environmental databases conducted by Environmental Data Resources, Inc. (EDR) on 24 April 2019. The search utilized an approximate 1 mile search radius around 4 separate points, allowing coverage of all proposed project alternatives, associated with both the Colorado River measures, including the western extension, and the Baughman Slough measures (See Figure 1). Once the database searches were complete, USACE analyzed the results for recognized environmental conditions (RECs) that could affect the proposed project or need further investigation, given the proposed project measures. The results of the database search, the associated analysis, and the specifics of the REC (where applicable) are discussed below.

3.1 Database Search

The results of the database search can be found in the EDR report, attached as an appendix. Results that have the potential to affect the proposed project are discussed in detail below, sorted by which alternative they have the potential to affect.

<u>Western Levee Extension</u> – The records search found no potential HTRW sites within the western levee extension portion of the project. The search did find three domestic water wells on or near the affected properties, which may require relocation if the proposed levee alignment runs through those areas (See Figure 2). A single plugged oil and gas well was found south of the proposed levee alignment, but it shouldn't impact the proposed project.

Another domestic water well was found located within the footprint of the planned soil disposal areas north of the western extension, immediately south of Highway 102 (See Figure 2). This well would have to be decommissioned or relocated in the event of site acquisition.

<u>Colorado River Levee Segment 2 (CR-2)</u> – The records search indicated the existence of a closed landfill immediately south (waterward) of the CR-2 levee alignment. This landfill is listed as the Waste Management Inc. Transfer Station, and appears to be the same landfill identified at 820 South Sheppard Road in the 2003 HTRW assessment. Records show that the landfill operated on behalf of the City of Wharton from 1940 to 1960, and is currently in the post-closure phase of operation. A follow-up query to the Texas Commission on Environmental Quality (TCEQ) indicated that the landfill contains around 12,000 tons of waste and is good condition, with good cover and no exposed waste. Construction activities as part of the proposed project will not affect or be affected by the presence of the landfill.

Additionally, a plugged gas well is located directly in the CR-2 levee alignment. This well apparently used to be active, but was plugged at an unknown point in the past. The exact location of the well is unknown, although records indicate the well is approximately 500 feet east of Highway 59 (See Figure 3). Uncertainty about the well's location may also put it in the footprint of the proposed Vineyard Sump. While constituting a very low HTRW threat, construction activities in this area need to be conducted with an eye to potentially encountering this decommissioned well.

 $\underline{CR-5}$  and  $\underline{CR-5A}$  – The records search indicated that Riverfront Park, located southwest of the intersection of East Elm Street and Brietling Lane, may have been developed over a past landfill or disposal area. Records are scant, but notes indicate that the site was developed over, and no subsidence or exposed waste has been noted. Subsequent discussions with City of Wharton representatives indicated that no City records mention any disposal in this area, and records related to the construction of the park and associated bank armoring make no mention of encountering any HTRW during those construction activities. As a result, no further investigation will be needed.

The records search also indicated two sites that are in the immediately vicinity of the proposed project, but should not affect the project as long as care is taken during construction. An aboveground storage tank (AST) at the Wharton County Sheriff's office at 315 E Elm Street was noted in the records search, and could be possibly associated with the leaking storage tank noted in 2003. Additionally, the CR-5 alignment will encounter a wastewater treatment plant about halfway from Riverfront Park to Alabama Street down the eastern bank of the River. The records were unclear as to whether this is currently active, but any levee work in this area needs to be conducted with care to avoid impacted plant operations.

<u>Baughman Slough</u> – The records search did not identify any HTRW sites in the vicinity of the Baughman Slough segments of the project. However, the both the BS-1 and BS-2 segments have water wells potentially located in the project alignment, and both the BS-3 and BS-5 segments have natural gas lines running in immediate proximity. In the case of BS-5, the natural gas line runs under the slough, potentially impacting the proposed channel modifications (See Figure 4). All three of these items may require relocation and/or decommissioning of the existing utility infrastructure.

3.2 Historical Aerial Photographs and Topographic Maps

Historical aerial photographs from the proposed project area were reviewed to see if any environmental conditions were evident. Aerials from 1953, 1956, 1962, 1972, 1981, 1995, 2005, 2008, 2012, and 2016 were available for review. Observations of potential environmental conditions are listed below.

- 1962 The wastewater treatment plant mentioned above can be seen along the east bank of the Colorado River in the 1962 aerial photograph. The facility appears to grow in size by 1981, and some bank stabilization appears to have been conducted in the area by 1995.
- 1981 A well pad is evident within the proposed CR-2 alignment, east of Highway 59. The cleared land is evident in the 1995 aerial, but appears fully re-vegetated by 2005. This is likely the well pad associated with the plugged well mentioned above.
- 1995 The 1995 aerial appears to show docks or river landings present along the bank of the river at Riverfront Park, indicating a past use of the bank area.
- 2005 Significant storage activity can be seen immediately south of the JM Eagle Plastics plant. The activity appears well organized, but becomes less tidy in 2008. The land appears cleared well into the present day, and storage activity appears to continue. Due to the chaotic nature of the activity and extended time period over which it occurs, this may indicate an environmental condition that may impact the proposed CR-2 levee alignment and Vineyard Sump (See Figure 3).

Historical topographic maps from the proposed project were also available for review, from 1929, 1953, 1980, and 2013. A review of these maps yielded no significant results.

### 4.0 Additional Analyses

During the scoping of the Wharton update in 2018-19, concern was raised by project stakeholders about the industrial complex located immediately east of Highway 59 and south of Highway 102. Concern was centered on the potential impacts of that facility to the proposed CR-2 alignment, which will potentially be located less than a quarter mile to the south. The facility is occupied by a pair of plastics manufacturers, JM Eagle and Nan Ya Plastics Corp. Both companies were reviewed below to see if they pose any potential for environmental conditions that may impact the proposed project.

4.1 JM Eagle

JM Eagle is an American Corporation headquartered in Los Angeles that is identified as the world's largest plastic pipe manufacturer. Aerial photographs show large quantities of plastic irrigation or drainage pipe being stored on site. The records search did not find any results related to the facility. However, a search of the EPA Envirofacts database show the JM Eagle facility to be listed in the RCRA database, but under an unknown capacity. Given general knowledge about plastics manufacturing, the site is probably a RCRA generator, meaning they generate hazardous waste as part of their operations. This in itself is not a reason to expect environmental conditions, as long as no violations of RCRA occur.

A search of the Texas Commission on Environmental Quality (TCEQ) Central Registry lists the facility as being a permitted air emitter, again likely as a result of plastics creation. The database did mention a single violation of the air emissions permit in February 2006. Apparently the site had an uncontrolled air emissions release in January of 2006 that elicited complaints from the local community. No further information can be found about the violation. Given the information discovered, there are no environmental conditions (except for the one mentioned in Section 3.2) identified in relation to the JM Eagle site.

### 4.2 Nan Ya Plastic Corp.

The Nan Ya Plastics Corporation is multinational corporation with their USA subsidiary located at the Wharton facility. The Wharton facility produces rigid PVC films used for products such a credit cards, floor tile, and various types of packaging. According to their website, the plant generated 93.8 million pounds of plastic materials in 2011.

The Nan Ya plant was not found in the records search. However, the EPA Envirofacts database and the TCEQ Central Registry indicated the plant was a permitted generator of hazardous waste, generating 116 tons of hazardous waste in 2018. The site also is a permitted minor air emissions point, releasing known quantities of CO, SO<sub>2</sub>, VOCs, and other air contaminants. An alleged unpermitted air emissions release occurred in February 2003, but no TCEQ investigation ensued. The site also has a minor National Pollutant Discharge Elimination System (NPDES) permit to discharge water into the Colorado River. Given the information discovered, there are no environmental conditions identified in relation to the Nan Ya Plastics Corp. site.

### 5.0 Conclusions and Recommendations

In order to complete a feasibility level HTRW evaluation update for the proposed Wharton Levee project, a records search was conducted following the rules and guidance of ER 1165-2-132: *HTRW Guidance for Civil Works Projects*, and portions of ASTM E1527-13: *Standard Practice for Environmental Site Assessment: Phase 1 Environmental Site Assessment Process*. Several environmental conditions were found that may require specific actions as the project moves forward. Below are those findings and recommendations:

Environmental Condition	Affected Project Segment	Reference Section	Risk	Recommendation
Existing domestic water wells	Extension and soil disposal area (See Figure 2)	3.1	Low	If acquisition of these project lands are considered, relocation of the existing wells may need to occur.
Plugged gas well	CR-2, Vineyard Sump (See Figure 3)	3.1	Low	Construction in this area will need to be done with care, and should have an HTRW plan in place in case the well is encountered.
Existing natural gas lines and water wells	BS-1, BS-2, BS-4, and BS- 5 (See Figure 4)	3.1	Low	Relocation of existing well and natural gas lines may need to occur before construction.
JM Eagle Storage/Disposal Area	CR-2 (See Figure 3)	3.2	Low	Construction in this area will need to be done with care, and should have an HTRW plan in place in case waste is encountered.

As outlined above, if the recommendations are followed, relative risk for all items will be low. The first and third environmental conditions listed require consideration during the design and construction phases of the project. Further investigation should be done into the exact location of the existing domestic water wells and natural gas lines in the extension/soil disposal areas and Baughman Slough area, respectively, in order to determine whether utility relocation or decommissioning is required. The second and fourth environmental conditions require the preparation of an HTRW contingency plan by the eventual construction contractor. This plan should outline procedures for identifying and responding to the potential discovery of HTRW. This plan should be reviewed and approved by USACE before mobilization for construction.

# Figure 1: HTRW Search Areas

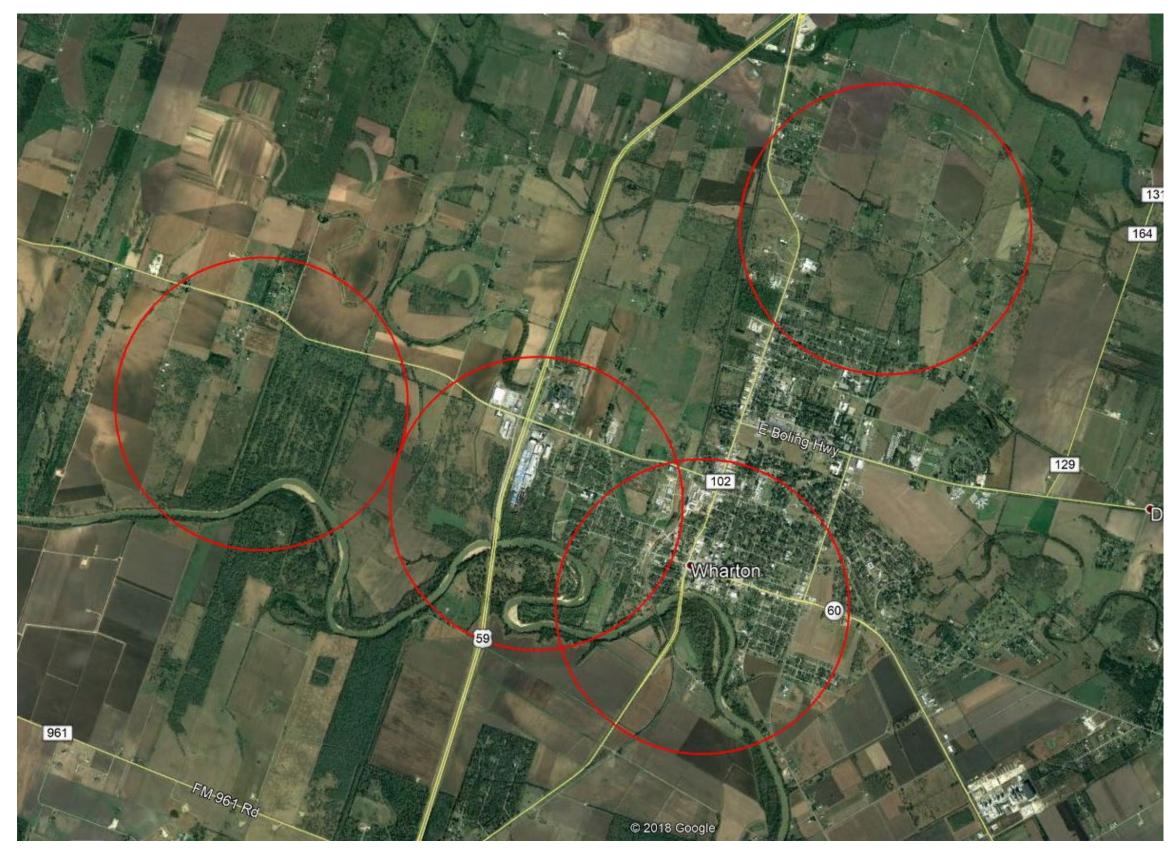
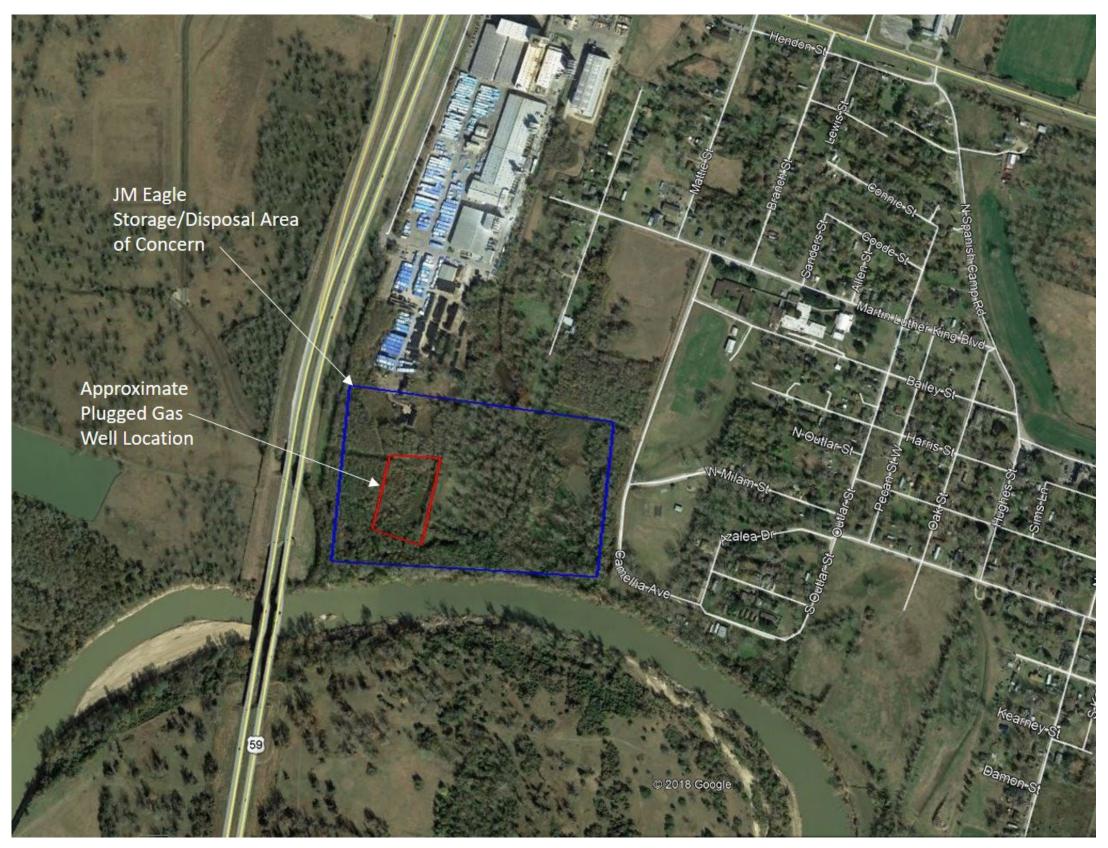


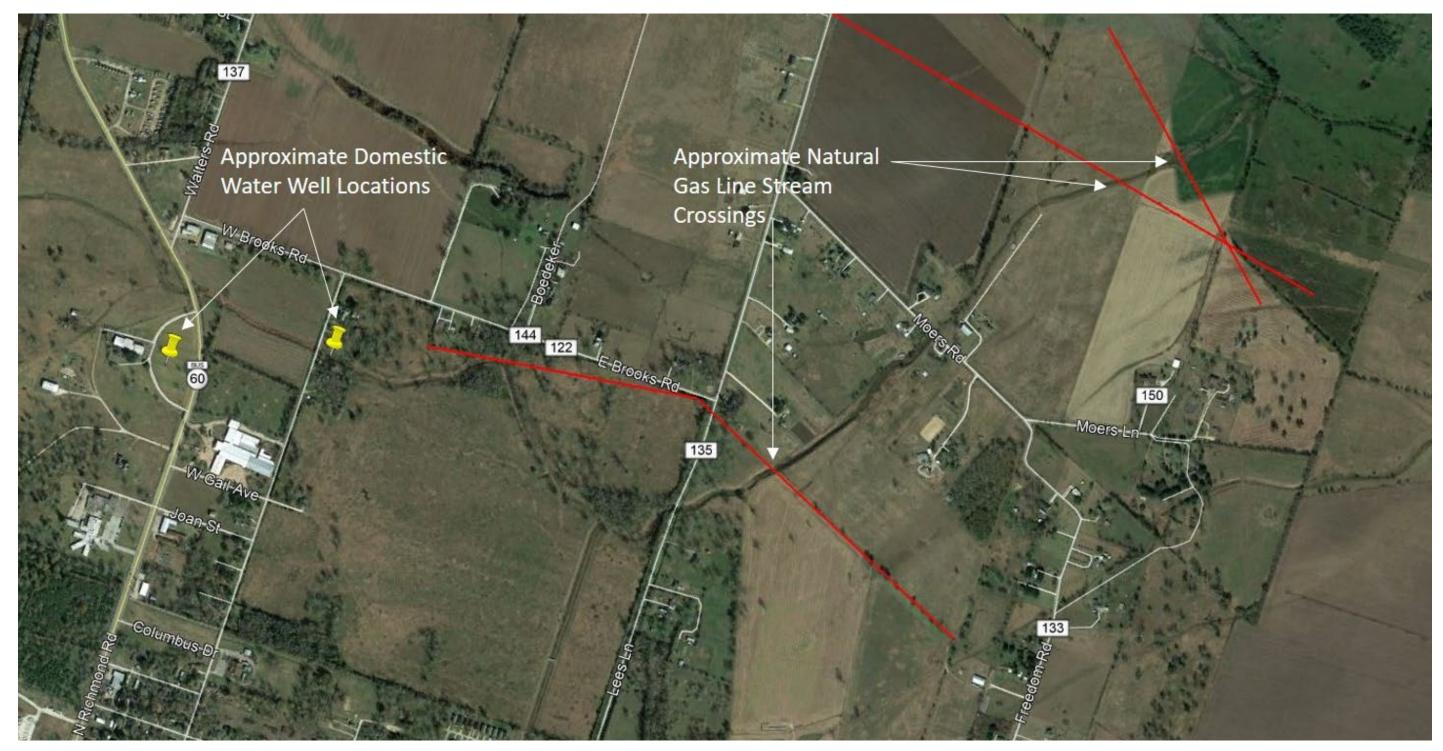
Figure 2: Western Extension Domestic Water Wells



# Figure 3: CR-2 Area of Concern and Plugged Gas Well



# Figure 4: Baughman Slough Wells and Gas Line Crossings



# Wharton 1 Unknown

Wharton, TX 77488

Inquiry Number: 5631236.2s April 24, 2019

# The EDR Radius Map<sup>™</sup> Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

FORM-LBC-GXH

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Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
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*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

### ADDRESS

UNKNOWN WHARTON, TX 77488

### COORDINATES

Latitude (North):	29.3177950 - 29° 19' 4.06''
Longitude (West):	96.1201670 - 96° 7' 12.60''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	779700.6
UTM Y (Meters):	3246462.0
Elevation:	99 ft. above sea level

2013

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	
Version Date:	

5937255 GLEN FLORA, TX 2013

5937251 WHARTON, TX

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

West Map: Version Date:

Portions of Photo from:	20140813
Source:	USDA

DATABASE ACRONYMS

Target Property Address: UNKNOWN WHARTON, TX 77488

Click on Map ID to see full detail.

MAP ID

SITE NAME

ADDRESS

NO MAPPED SITES FOUND

5631236.2s Page 2

DIST (ft. & mi.) DIRECTION

RELATIVE

ELEVATION

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

NPL	National Priority List
	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens

### Federal Delisted NPL site list

Delisted NPL\_\_\_\_\_ National Priority List Deletions

### Federal CERCLIS list

FEDERAL FACILITY\_\_\_\_\_\_ Federal Facility Site Information listing SEMS\_\_\_\_\_\_ Superfund Enterprise Management System

### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE...... Superfund Enterprise Management System Archive

### Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### Federal RCRA generators list

RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator

#### Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
US ENG CONTROLS	Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

### Federal ERNS list

ERNS\_\_\_\_\_ Emergency Response Notification System

### State- and tribal - equivalent NPL

SHWS\_\_\_\_\_ State Superfund Registry

### State and tribal landfill and/or solid waste disposal site lists

SWF/LF	Permitted Solid Waste Facilities
DEBRIS	DEBRIS
CLI	Closed Landfill Inventory
WASTE MGMT	Commercial Hazardous & Solid Waste Management Facilities

### State and tribal leaking storage tank lists

INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
LPST	Leaking Petroleum Storage Tank Listing

### State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
UST	Petroleum Storage Tank Database
AST	Petroleum Storage Tank Database
INDIAN UST	Underground Storage Tanks on Indian Land

### State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

### State and tribal voluntary cleanup sites

INDIAN VCP...... Voluntary Cleanup Priority Listing VCP...... Voluntary Cleanup Program Database

### State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Assessments

### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

### Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY	Recycling Facility Listing
	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
PRIORITYCLEANERS	. Dry Cleaner Remediation Program Prioritization List
	. Deleted Superfund Registry Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

### Local Lists of Registered Storage Tanks

NON REGIST PST..... Petroleum Storage Tank Non Registered

### Local Land Records

HIST LIENS	Environmental Liens Listing
LIENS	
LIENS 2	CERCLA Lien Information

### Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	
SPILLS 90	. SPILLS 90 data from FirstSearch
SPILLS 80	. SPILLS 80 data from FirstSearch

### Other Ascertainable Records

FUDS DOD. SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST. 2020 COR ACTION TSCA TRIS SSTS ROD RMP RAATS PRP PADS ICIS	2020 Corrective Action Program List - Toxic Substances Control Act - Toxic Chemical Release Inventory System - Section 7 Tracking Systems - Records Of Decision
COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO	Act)/TSCA (Toxic Substances Control Act) Material Licensing Tracking System Steam-Electric Plant Operation Data Coal Combustion Residues Surface Impoundments List PCB Transformer Registration Database Radiation Information Database FIFRA/TSCA Tracking System Administrative Case Listing Incident and Accident Data

### EDR HIGH RISK HISTORICAL RECORDS

### EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

### **Exclusive Recovered Govt. Archives**

```
RGA HWS______ Recovered Government Archive State Hazardous Waste Facilities List RGA LF______ Recovered Government Archive Solid Waste Facilities List
```

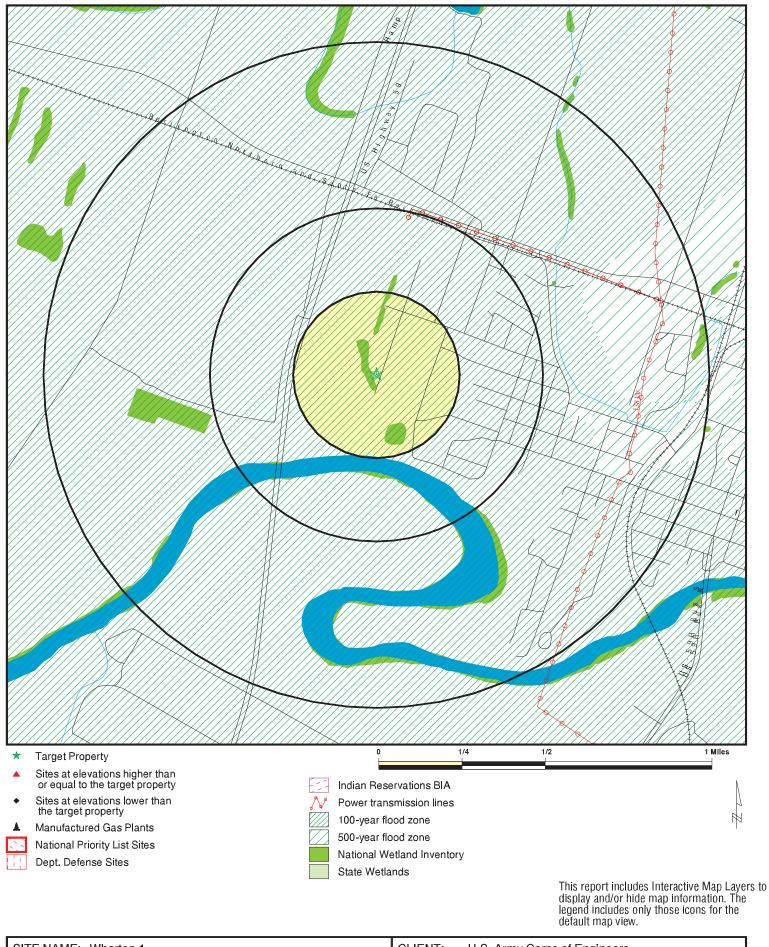
### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

There were no unmapped sites in this report.

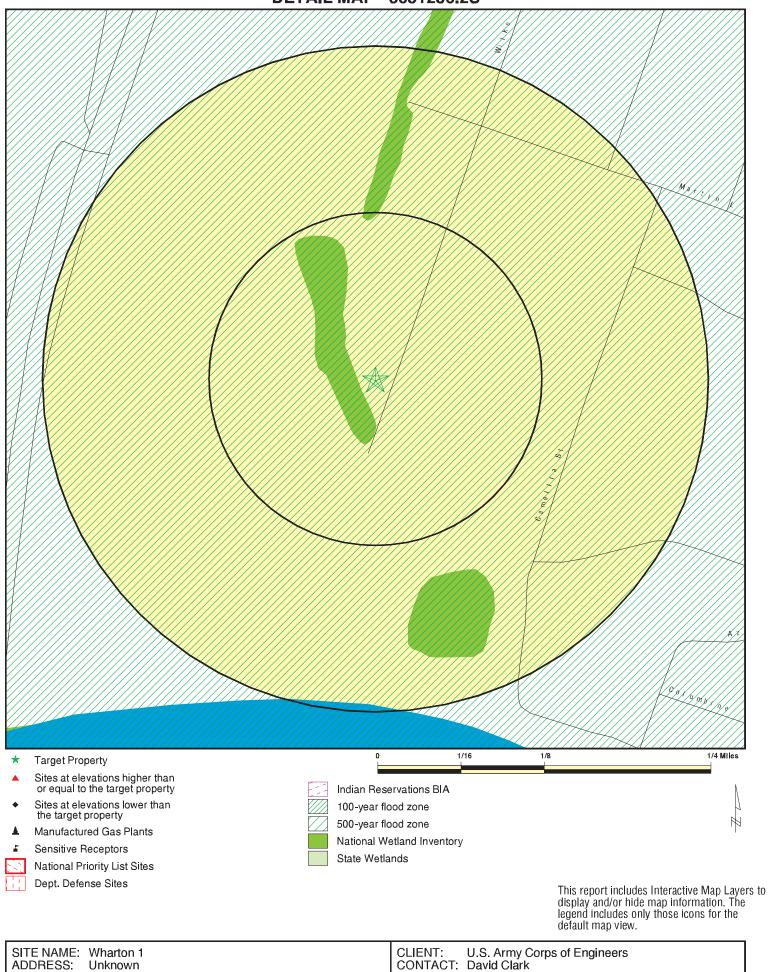
### **OVERVIEW MAP - 5631236.2S**



SITE NAME:Wharton 1CLIENT:U.S. Army Corps of EngineersADDRESS:Unknown<br/>Wharton TX 77488CONTACT:David Clark<br/>INQUIRY #:5631236.2sLAT/LONG:29.317795 / 96.120167DATE:April 24, 2019 11:27 am

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**DETAIL MAP - 5631236.2S** 



CONTACT: David Clark INQUIRY #: 5631236.2s DATE: April 24, 2019 11:28 am Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

Wharton TX 77488

29.317795 / 96.120167

LAT/LONG:

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent NPL							
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill a solid waste disposal sit								
SWF/LF DEBRIS CLI WASTE MGMT	0.500 0.500 0.500 TP		0 0 0 NR	0 0 0 NR	0 0 0 NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal leaking	storage tank l	ists						
INDIAN LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LPST	0.500		0	0	0	NR	NR	0
State and tribal registere	ed storage tai	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal institution control / engineering control / engin		s						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntar	y cleanup sit	es						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	NTAL RECORD	S						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL PRIORITYCLEANERS DEL SHWS US CDL PFAS	TP TP 0.500 1.000 TP TP		NR NR 0 NR NR	NR 0 0 NR NR	NR 0 0 NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Registere	d Storage Tai	nks						
NON REGIST PST	0.250		0	0	NR	NR	NR	0
Local Land Records								
HIST LIENS LIENS LIENS 2	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Records of Emergency I	Release Repo	rts						
HMIRS	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90 SPILLS 80	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST 2020 COR ACTION	TP 0.250		NR 0	NR 0	NR NR	NR NR	NR NR	0
TSCA	0.250 TP		NR	NR	NR	NR	NR	0 0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	Õ
ROD	1.000		0	0	0	0	NR	Ō
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS MLTS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NŘ	NŘ	NR	NR	NR	õ
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA LEAD SMELTERS	0.500 TP		0 NR	0 NR	0 NR	NR NR	NR NR	0 0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	Ő
ABANDONED MINES	0.250		0	0	NR	NR	NR	Ō
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS APAR	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	Ő	NR	NR	NR	Ö
ED AQUIF	TP		NR	NR	NR	NR	NR	Ő
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GCC	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IOP	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
Ind. Haz Waste	0.250		0	0	NR	NR	NR	0
MSD	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
RWS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
IHW CORR ACTION	0.250		0	0	NR	NR	NR	0
PST STAGE 2	0.250		0	0	NR	NR	NR	0
COMP HIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORIC								
EDR Exclusive Records	5							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVER		VES						
Exclusive Recovered G	ovt. Archives							
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGALF	TP		NR	NR	NR	NR	NR	Õ
- Totals		0	0	0	0	0	0	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Database(s) E

EDR ID Number EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
	_				

NO SITES FOUND

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC) Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 92 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

#### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 34 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 34

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 03/27/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Quarterly

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### Federal RCRA generators list

### RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019Source: Environmental Protection AgencyDate Data Arrived at EDR: 03/27/2019Telephone: 214-665-6444Date Made Active in Reports: 04/17/2019Last EDR Contact: 03/27/2019Number of Days to Update: 21Next Scheduled EDR Contact: 07/08/2019Data Release Frequency: Quarterly

#### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/22/2019Source: Department of the NavyDate Data Arrived at EDR: 03/07/2019Telephone: 843-820-7326Date Made Active in Reports: 04/17/2019Last EDR Contact: 02/07/2019Number of Days to Update: 41Next Scheduled EDR Contact: 05/27/2019Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/31/2019 Date Data Arrived at EDR: 02/04/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 02/04/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 02/04/2019 Date Data Arrived at EDR: 02/08/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 28 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### State- and tribal - equivalent NPL

SHWS: State Superfund Registry

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/08/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 12/27/2018	Telephone: 512-239-5680
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Semi-Annually

### State and tribal landfill and/or solid waste disposal site lists

#### SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 63 Source: Texas Commission on Environmental Quality Telephone: 512-239-6706 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Quarterly

### CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas. For current information regarding any of the sites included in this database, contact the appropriate Council of Governments agency.

Date of Government Version: 08/30/1999 Date Data Arrived at EDR: 09/28/2000 Date Made Active in Reports: 10/30/2000 Number of Days to Update: 32 Source: Texas Commission on Environmental Quality Telephone: N/A Last EDR Contact: 04/02/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

### DEBRIS: DEBRIS

A listing of temporary debris management sites and MSW landfills for debris resulting from Hurricane Harvey.

Date of Government Version: 03/27/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/04/2018	Telephone: 512-239-6840
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 04/08/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/24/2019 Data Release Frequency: Varies

#### H-GAC CLI: Houston-Galveston Closed Landfill Inventory

Closed Landfill Inventory for the Houston-Galveston Area Council Region. In 1993, the Texas Legislature passed House Bill (HB) 2537, which required Councils of Governments (COGs) to develop an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Date of Government Version: 01/02/2019	Source: Houston-Galveston Area Council
Date Data Arrived at EDR: 01/03/2019	Telephone: 832-681-2518
Date Made Active in Reports: 02/08/2019	Last EDR Contact: 04/04/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

WASTE MGMT: Commercial Hazardous & Solid Waste Management Facilities This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 02/02/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/06/2018	Telephone: 512-239-2920
Date Made Active in Reports: 06/13/2018	Last EDR Contact: 04/05/2019
Number of Days to Update: 68	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

#### State and tribal leaking storage tank lists

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

urce: EPA Region 6
ephone: 214-665-6597
st EDR Contact: 03/07/2019
xt Scheduled EDR Contact: 05/06/2019
ta Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018	
Date Data Arrived at EDR: 05/18/2018	
Date Made Active in Reports: 07/20/2018	
Number of Days to Update: 63	

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Ta LUSTs on Indian land in Colorado, Montana, N	anks on Indian Land Iorth Dakota, South Dakota, Utah and Wyoming.
Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R7: Leaking Underground Storage Ta LUSTs on Indian land in Iowa, Kansas, and Ne	
Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R4: Leaking Underground Storage Ta LUSTs on Indian land in Florida, Mississippi ar	
Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R1: Leaking Underground Storage Ta A listing of leaking underground storage tank to	
Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
LPST: Leaking Petroleum Storage Tank Database An inventory of reported leaking petroleum storage tank incidents. Not all states maintain these records, and the information stored varies by state.	
Date of Government Version: 03/26/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 14	Source: Texas Commission on Environmental Quality Telephone: 512-239-2200 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
State and tribal registered storage tank lists	
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground stora	ige tanks.
Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 136	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies

UST: Petroleum Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 15	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly	
AST: Petroleum Storage Tank Database Registered Aboveground Storage Tanks.		
Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 15	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly	
INDIAN UST R10: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).		
Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies	
INDIAN UST R7: Underground Storage Tanks on I The Indian Underground Storage Tank (UST) land in EPA Region 7 (Iowa, Kansas, Missour	database provides information about underground storage tanks on Indian	
Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies	
INDIAN UST R6: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).		
Date of Government Version: 04/01/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies	

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

#### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

#### AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 10/04/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/12/2018	Telephone: 512-239-5891
Date Made Active in Reports: 11/07/2018	Last EDR Contact: 04/01/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

#### State and tribal voluntary cleanup sites

VCP TCEQ: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 10/01/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/09/2018 Number of Days to Update: 38 Source: Texas Commission on Environmental Quality Telephone: 512-239-5891 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.		
Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27	Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009 Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies	
INDIAN VCP R1: Voluntary Cleanup Priority Listing A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.		
Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016 Number of Days to Update: 142	Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies	
VCP RRC: Voluntary Cleanup Program Sites The Voluntary Cleanup Program (RRC-VCP) provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination. Applicants to the program receive a release of liability to the state in exchange for a successful cleanup.		
Date of Government Version: 11/20/2018 Date Data Arrived at EDR: 01/03/2019 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 36	Source: Railroad Commission of Texas Telephone: 512-463-6969 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019	

#### State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Assessments

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 12/04/2018	Source: TCEQ
Date Data Arrived at EDR: 01/03/2019	Telephone: 512-239-5872
Date Made Active in Reports: 02/07/2019	Last EDR Contact: 04/04/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Semi-Annually

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Data Release Frequency: Varies

Date of Government Version: 12/17/2018 Date Data Arrived at EDR: 12/18/2018 Date Made Active in Reports: 01/11/2019 Number of Days to Update: 24 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 03/19/2019 Next Scheduled EDR Contact: 07/01/2019 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

### CAPCOG LI: Capitol Area Landfill Inventory

Permitted and unpermitted landfills for the CAPCOG region. Serving Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Travis, and Williamson Counties.

nays, Le	e, Liano, Travis, and Williamson Cour	mes.
Date Dat Date Ma	Government Version: 01/06/2017 ta Arrived at EDR: 01/10/2017 de Active in Reports: 03/15/2017 of Days to Update: 64	Source: Capital Area Council of Governments Telephone: 512-916-6000 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	North Central Landfill Inventory entral Texas Council of Governments la	andfill database.
Date Dat Date Ma	Government Version: 01/03/2019 ta Arrived at EDR: 01/04/2019 de Active in Reports: 02/08/2019 of Days to Update: 35	Source: North Central Texas Council of Governments Telephone: 817-695-9223 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	ycling Facility Listing of recycling facilities in the state.	
Date Dat Date Ma	Government Version: 02/15/2019 ta Arrived at EDR: 02/19/2019 de Active in Reports: 03/29/2019 of Days to Update: 38	Source: TCEQ Telephone: 512-239-6700 Last EDR Contact: 02/07/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies
INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.		
Date Dat Date Ma	Government Version: 12/31/1998 ta Arrived at EDR: 12/03/2007 de Active in Reports: 01/24/2008 of Days to Update: 52	Source: Environmental Protection Agency Telephone: 703-308-8245 Last EDR Contact: 01/29/2019 Next Scheduled EDR Contact: 05/13/2019 Data Release Frequency: Varies
DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.		
Date Dat Date Ma	Government Version: 01/12/2009 ta Arrived at EDR: 05/07/2009 de Active in Reports: 09/21/2009 of Days to Update: 137	Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: No Update Planned
ODI: Open Dump Inventory An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.		
Date Dat Date Ma	Government Version: 06/30/1985 ta Arrived at EDR: 08/09/2004 de Active in Reports: 09/17/2004 of Days to Update: 39	Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
	IMPS: Open Dumps on Indian Land of all open dumps located on Indian La	and in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 176 Source: Department of Health & Human Serivces, Indian Health Service Telephone: 301-443-1452 Last EDR Contact: 02/01/2019 Next Scheduled EDR Contact: 05/13/2019 Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/24/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/26/2019	Telephone: 202-307-1000
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 02/21/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: No Update Planned

CDL: Clandestine Drug Site Locations Listing A listing of former clandestine drug site locations

Date of Government Version: 08/07/2017	Source: Department of Public Safety
Date Data Arrived at EDR: 08/15/2017	Telephone: 512-424-2144
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 01/28/2019
Number of Days to Update: 269	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Varies

PRIORITY CLEANERS: Dry Cleaner Remediation Program Prioritization List A listing of dry cleaner related contaminated sites.

Date of Government Version: 02/25/2019 Date Data Arrived at EDR: 03/06/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 36 Source: Texas Commission on Environmenatl Quality Telephone: 512-239-5658 Last EDR Contact: 03/06/2019 Next Scheduled EDR Contact: 06/18/2108 Data Release Frequency: Varies

DEL SHWS: Deleted Superfund Registry Sites

Sites have been deleted from the state Superfund registry in accordance with the Act, ?361.189

Date of Government Version: 11/08/2018 Date Data Arrived at EDR: 12/27/2018	Source: Texas Commission on Environmental Quality Telephone: 512-239-0666
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
- ·	Data Release Frequency: Quarterly

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/24/2019 Date Data Arrived at EDR: 02/26/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 50 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 02/21/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Quarterly

#### PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 11/05/2018 Date Data Arrived at EDR: 11/07/2018 Date Made Active in Reports: 04/15/2019 Number of Days to Update: 159 Source: Texas Commission on Environmental Quality Telephone: 512-239-2341 Last EDR Contact: 03/04/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

#### Local Lists of Registered Storage Tanks

NON REGIST PST: Petroleum Storage Tank Non Registered A listing of non-registered petroleum storage tank site locations.

Date of Government Version: 01/29/2019 Date Data Arrived at EDR: 01/31/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 57

Source: Texas Commission on Environmental Quality Telephone: 512-239-2081 Last EDR Contact: 01/31/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Quarterly

#### Local Land Records

HIST LIENS: Environmental Liens Listing

This listing contains information fields that are no longer tracked in the LIENS database.

Date of Government Version: 03/23/2007	Source: Texas Commission on Environmental Qualilty
Date Data Arrived at EDR: 03/23/2007	Telephone: 512-239-2209
Date Made Active in Reports: 05/02/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

The listing covers TCEQ liens placed against either State Superfund sites or Federal Superfund sites to recover cost incurred by TCEQ.

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2209
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 03/21/2019 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/08/2019Source: U.S. DeparDate Data Arrived at EDR: 02/08/2019Telephone: 202-36Date Made Active in Reports: 03/21/2019Last EDR Contact: (Number of Days to Update: 41Next Scheduled EDDate Data Data StructureDetermine

Source: U.S. Department of Transportation Telephone: 202-366-4555 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### SPILLS: Spills Database

Spills reported to the Emergency Response Division.

Date of Government Version: 10/18/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/19/2018	Telephone: 512-239-2507
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 04/04/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Quarterly

#### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/23/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/07/2013 Number of Days to Update: 63 Source: FirstSearch Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

### SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 05/15/2005Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 03/07/2013Last EDR Contact: 0Number of Days to Update: 63Next Scheduled EDR

Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 04/03/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: N/A

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 02/15/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/31/2019 Date Data Arrived at EDR: 02/04/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 32 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 02/08/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 02/08/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 198 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 03/22/2019 Next Scheduled EDR Contact: 07/01/2019 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016SDate Data Arrived at EDR: 01/10/2018TDate Made Active in Reports: 01/12/2018LNumber of Days to Update: 2N

Source: EPA Telephone: 202-566-0250 Last EDR Contact: 02/20/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually

#### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011 Number of Days to Update: 77 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Annually

#### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2019 Date Data Arrived at EDR: 02/14/2019 Date Made Active in Reports: 03/21/2019 Number of Days to Update: 35 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

#### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/11/2019	Source: EPA
Date Data Arrived at EDR: 03/14/2019	Telephone: 202-564-6023
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 04/18/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 04/10/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Annually

#### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 04/08/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 04/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	
Date Data Arrived at EDR: 09/10/2014	
Date Made Active in Reports: 10/20/2014	
Number of Days to Update: 40	

Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/25/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/02/2019 Date Data Arrived at EDR: 01/03/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 71 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 04/02/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/29/2019	Telephone: 202-366-4595
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 01/29/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

#### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2018	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/11/2019	Telephone: Varies
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Varies

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017 Number of Days to Update: 218 Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/13/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Biennially

#### **INDIAN RESERV: Indian Reservations**

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/11/2019
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Semi-Annually

#### FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	
Date Data Arrived at EDR: 09/11/2018	
Date Made Active in Reports: 09/14/2018	
Number of Days to Update: 3	

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/31/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Varies

### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017 Number of Days to Update: 23 Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/22/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/11/2019Source: EnvironmentDate Data Arrived at EDR: 03/14/2019Telephone: 703-60Date Made Active in Reports: 03/21/2019Last EDR Contact:Number of Days to Update: 7Next Scheduled EDR

Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

#### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36 Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.	
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US MINES: Mines Master Index File Contains all mine identification numbers issue violation information.	ed for mines active or opened since 1971. The data also includes
Date of Government Version: 11/27/2018 Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 33	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 02/27/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Semi-Annually
	al mines are facilities that extract ferrous metals, such as iron ous metal mines are facilities that extract nonferrous metals, such
Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 49	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies
US MINES 3: Active Mines & Mineral Plants Datab Active Mines and Mineral Processing Plant of of the USGS.	base Listing perations for commodities monitored by the Minerals Information Team
Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies
information needed to implement the Surface contains information on the location, type, an with the reclamation of those problems. The i	bast mining (primarily coal mining) is maintained by OSMRE to provide Mining Control and Reclamation Act of 1977 (SMCRA). The inventory d extent of AML impacts, as well as, information on the cost associated nventory is based upon field surveys by State, Tribal, and OSMRE hat it is modified as new problems are identified and existing
Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018 Number of Days to Update: 3	Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/21/2019 Next Scheduled EDR Contact: 06/24/2019 Data Belease Frequency: Quarterly

Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 10	Source: EPA Telephone: (214) 665-2200 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Quarterly
DOCKET HWC: Hazardous Waste Compliance Doo A complete list of the Federal Agency Hazardo	5
Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018 Number of Days to Update: 71	Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

### ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/03/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: 202-564-2280
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/09/2019
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Quarterly

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/15/2019
Number of Days to Update: 74	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Varies

### FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/19/2019	
Date Data Arrived at EDR: 02/21/2019	
Date Made Active in Reports: 04/01/2019	
Number of Days to Update: 39	

Source: EPA Telephone: 800-385-6164 Last EDR Contact: 02/21/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Quarterly

#### AIRS: Current Emission Inventory Data

The database lists by company, along with their actual emissions, the TNRCC air accounts that emit EPA criteria pollutants.

Date of Government Version: 01/16/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/18/2019	Telephone: N/A
Date Made Active in Reports: 03/25/2019	Last EDR Contact: 03/11/2019
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/24/2019
	Data Release Frequency: Semi-Annually

Data of Covernment Versions 04/00/0010	Sources Toxos Commission on Environmental Quality
Date of Government Version: 01/09/2019 Date Data Arrived at EDR: 01/11/2019	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872
Date Made Active in Reports: 03/25/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies
ASBESTOS: Asbestos Notification Listing A listing of asbestos notification site locations	3.
Date of Government Version: 03/05/2019	Source: Department of State Health Services
Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 04/11/2019	Telephone: 512-834-6787 Last EDR Contact: 02/19/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Varies
COAL ASH: Coal Ash Disposal Sites A listing of facilities that use surface impound	lments or landfills to dispose of coal ash.
Date of Government Version: 05/02/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 05/07/2018	Telephone: 512-239-6624
Date Made Active in Reports: 06/07/2018 Number of Days to Update: 31	Last EDR Contact: 01/28/2019 Next Scheduled EDR Contact: 05/11/2019
Number of Days to Opdate. Of	Data Release Frequency: Varies
DRYCLEANERS: Drycleaner Registration Databas A listing of drycleaning facilities.	se Listing
Date of Government Version: 02/01/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/11/2019	Telephone: 512-239-2160 Last EDR Contact: 02/27/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies
ED AQUIF: Edwards Aquifer Permits	
A listing of permits in the Edwards Aquifer Pro located in the Austin Region (Hays, Travis, ar	otection Program database. The information provided is for the counties nd Williamson counties).
Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019	Source: Texas Commission on Environmental Quality, Austin Regior Telephone: 512-339-2929
Date Made Active in Reports: 03/26/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 60	Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies
ENFORCEMENT: Notice of Violations Listing A listing of permit violations.	
Date of Government Version: 01/25/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/29/2019	Telephone: 512-239-6012
Date Made Active in Reports: 03/26/2019	Last EDR Contact: 04/01/2019
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Semi-Annually
Financial Assurance 1: Financial Assurance Inform Financial assurance information.	nation Listing
Date of Government Version: 01/07/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/10/2019	Telephone: 512-239-6239 Last EDR Contact: 03/25/2019
Date Made Active in Reports: 03/26/2019	Next Scheduled EDR Contact: 07/08/2019
Number of Days to Update: 75	Next Scheduled EDR Contact. 07/06/2019

#### Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/12/2019 Number of Days to Update: 16 Source: Texas Commission on Environmental Quality Telephone: 512-239-0986 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### GCC: Groundwater Contamination Cases

Texas Water Code, Section 26.406 requires the annual report to describe the current status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The report is required to contain a description of each case of groundwater contamination documented during the previous calendar year. Also to be included, is a description of each case of contamination documented during previous periods for which voluntary clean up action was incomplete at the time the preceding report was issued. The report is also required to indicate the status of enforcement action for each listed case.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 08/31/2018 Date Made Active in Reports: 09/26/2018 Number of Days to Update: 26 Source: Texas Commission on Environmental Quality Telephone: 512-239-5690 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Annually

#### IOP: Innocent Owner/Operator Program

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Date of Government Version: 10/01/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/08/2018 Number of Days to Update: 37 Source: Texas Commission on Environmental Quality Telephone: 512-239-5894 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

#### LEAD: Lead Inspection Listing Lead inspection sites

Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 02/22/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 35 Source: Department of State Health Services Telephone: 512-834-6600 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

#### Ind. Haz Waste: Industrial & Hazardous Waste Database

Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 01/04/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/16/2019	Telephone: 512-239-0985
Date Made Active in Reports: 03/26/2019	Last EDR Contact: 04/17/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Annually

#### MSD: Municipal Settings Designations Database

An MSD is an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not use as potable water, and is prohibited from future use as potatable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Date of Government Version: 01/18/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 65	Source: Texas Commission on Environmental Quality Telephone: 512-239-4982 Last EDR Contact: 01/16/2019 Next Scheduled EDR Contact: 05/11/2019 Data Release Frequency: Varies
NPDES: NPDES Facility List Permitted wastewater outfalls.	
Date of Government Version: 02/12/2019 Date Data Arrived at EDR: 02/14/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 43	Source: Texas Commission on Environmental Quality Telephone: 512-239-4591 Last EDR Contact: 02/14/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies
RWS: Radioactive Waste Sites Sites in the State of Texas that have been de	signated as Radioactive Waste sites.
Date of Government Version: 07/24/2006 Date Data Arrived at EDR: 12/14/2006 Date Made Active in Reports: 01/23/2007 Number of Days to Update: 40	Source: Texas Commission on Environmental Quality Telephone: 512-239-0859 Last EDR Contact: 02/15/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Semi-Annually
TIER 2: Tier 2 Chemical Inventory Reports A listing of facilities which store or manufactu	re hazardous materials and submit a chemical inventory report.
Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 06/07/2013 Date Made Active in Reports: 07/22/2013 Number of Days to Update: 45	Source: Department of State Health Services Telephone: 512-834-6603 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually
	Q. Class V wells are used to inject non-hazardous fluids underground. astes into or above underground sources of drinking water and can pose
Date of Government Version: 01/15/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 71	Source: Texas Commission on Environmental Quality Telephone: 512-239-6627 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Varies
IHW CORR ACTION: IHW CORR ACTION Industrial hazardous waste facilities with corr	ective actions.
Date of Government Version: 01/14/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 68	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	of Stage II Rule a?? Gasoline dispensing facilities (GDFs) may begin on May 16, 2014 providing that all other requirements for decommissioning tion.
Date of Government Version: 01/17/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Lindate: 78	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019

Next Scheduled EDR Contact: 07/08/2019

Data Release Frequency: Varies

Number of Days to Update: 78

TC5631236.2s Page GR-25

#### COMP HIST: Compliance History Listing A listing of compliance histories of regulated entities

Date of Government Version: 11/15/2018 Date Data Arrived at EDR: 11/29/2018 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 71 Source: Txas Commission on Environmental Quality Telephone: 512-239-3282 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

#### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### EDR RECOVERED GOVERNMENT ARCHIVES

#### **Exclusive Recovered Govt. Archives**

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013	Source: Texas Commission on Environmental Quality Telephone: N/A
Date Made Active in Reports: 12/26/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 178	Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Telephone: N/A

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

**COUNTY RECORDS** 

#### TRAVIS COUNTY:

HIST UST AUSTIN: Historic Tank Records A listing of historic records from the City of Austin.

> Date of Government Version: 06/25/2012 Date Data Arrived at EDR: 06/29/2012 Date Made Active in Reports: 08/23/2012 Number of Days to Update: 55

Source: Department of Planning & Development Review Telephone: 512-974-2715 Last EDR Contact: 03/04/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

Source: Texas Commission on Environmental Quality

### **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/11/2019 Date Data Arrived at EDR: 02/12/2019 Date Made Active in Reports: 03/04/2019 Number of Days to Update: 20 Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 02/12/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information	
Hazardous waste manifest information. Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 07/13/2018 Date Made Active in Reports: 08/01/2018	Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 04/10/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Annually
NY MANIFEST: Facility and Manifest Data Manifest is a document that lists and tracks h facility.	nazardous waste from the generator through transporters to a TSE
Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 01/30/2019 Date Made Active in Reports: 02/14/2019 Number of Days to Update: 15	Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 01/30/2019 Next Scheduled EDR Contact: 05/11/2019 Data Release Frequency: Quarterly
PA MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/27/2018 Number of Days to Update: 35	Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
RI MANIFEST: Manifest information Hazardous waste manifest information	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018 Number of Days to Update: 45	Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually
VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.	
Date of Government Version: 01/16/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 02/19/2019 Number of Days to Update: 33	Source: Department of Environmental Conservation Telephone: 802-241-3443 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
WI MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/15/2018 Date Made Active in Reports: 07/09/2018 Number of Days to Update: 24	Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 03/11/2019 Next Scheduled EDR Contact: 06/24/2019 Data Release Frequency: Annually
Gases (Miscellaneous)) N = Natural Gas Bundle (Miscellaneous)). This map includes information	, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty e (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases ocopyrighted by PennWell Corporation. This information Corporation does not guarantee its accuracy nor warrant

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### Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services Telephone: 512-438-3269

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

### STREET AND ADDRESS INFORMATION

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# **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

### TARGET PROPERTY ADDRESS

WHARTON 1 UNKNOWN WHARTON, TX 77488

## TARGET PROPERTY COORDINATES

Latitude (North):	29.317795 - 29° 19' 4.06''
Longitude (West):	96.120167 - 96° 7' 12.60''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	779700.6
UTM Y (Meters):	3246462.0
Elevation:	99 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	5937251 WHARTON, TX
Version Date:	2013
West Map:	5937255 GLEN FLORA, TX
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- Groundwater flow direction, and
   Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

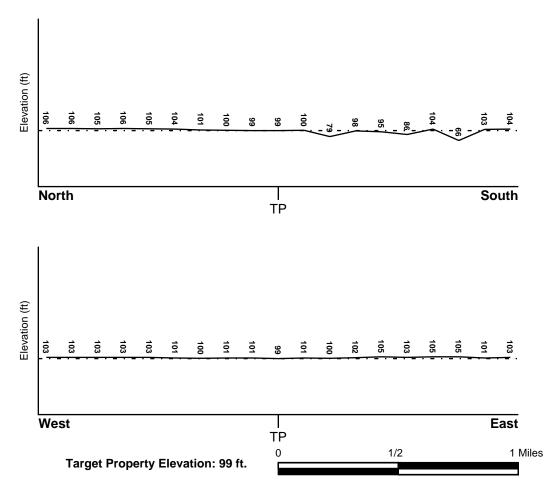
### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
4806520210C	FEMA Q3 Flood data
Additional Panels in search area:	FEMA Source Type
4806540005C	FEMA Q3 Flood data
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property WHARTON	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:	
Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW**®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

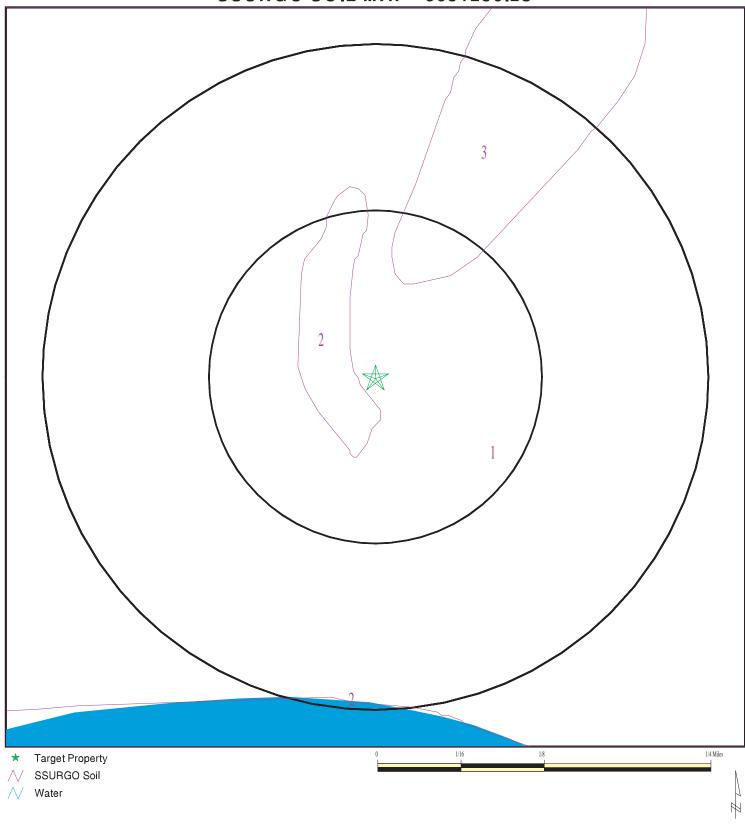
## **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

Era: Svstem:	Cenozoic Category: Quaternary	Stratifed Sequence
Series:	Holocene	
Code:	Qh (decoded above as Era, System & Series)	

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).





ADDRESS: Unknown Wharton TX 77488	CLIENT:U.S. Army Corps of EngineersCONTACT:David ClarkINQUIRY #:5631236.2sDATE:April 24, 2019 11:28 am
Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.	

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1	
Soil Component Name:	Brazoria
Soil Surface Texture:	clay
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Moderately well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
	Boundary Classification Saturated hydraulic						
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	59 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4

Soil	Мар	ID:	2
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Soil Component Name:	Water
Soil Surface Texture:	clay
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class: Hydric Status: Unknown	
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches
No Layer Information available.	

Soil Map ID: 3	
Soil Component Name:	Clemville
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
Boundary			Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	11 inches	silty clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	11 inches	29 inches	silt loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	29 inches	61 inches	silty clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
1	TXMON5000219995	1/4 - 1/2 Mile NNW
A2	TXPLU5000051652	1/4 - 1/2 Mile North
A3	TXPLU5000051654	1/4 - 1/2 Mile North
A4	TXPLU5000051651	1/4 - 1/2 Mile North
A5	TXMON5000365177	1/4 - 1/2 Mile North
A6	TXPLU5000051642	1/4 - 1/2 Mile North
A7	TXPLU5000051655	1/4 - 1/2 Mile North
A8	TXPLU5000051659	1/4 - 1/2 Mile North
A9	TXPLU5000051666	1/4 - 1/2 Mile North
A10	TXPLU5000051658	1/4 - 1/2 Mile North
A11	TXPLU5000051656	1/4 - 1/2 Mile North
A12	TXPLU5000051657	1/4 - 1/2 Mile North
A13	TXMON5000365060	1/4 - 1/2 Mile North
A14	TXMON5000365152	1/4 - 1/2 Mile North
A15	TXMON5000365002	1/4 - 1/2 Mile North
A16	TXMON5000365026	1/4 - 1/2 Mile North
A17	TXMON5000365154	1/4 - 1/2 Mile North
A18	TXMON5000365172	1/4 - 1/2 Mile North
A19	TXMON5000365173	1/4 - 1/2 Mile North
A20	TXMON5000365157	1/4 - 1/2 Mile North
A21	TXMON5000365165	1/4 - 1/2 Mile North
B22	TXDOL2000163709	1/2 - 1 Mile East
B23	TXMON5000072672	1/2 - 1 Mile East
24	TXMON5000292126	1/2 - 1 Mile NNW
25	TXMON5000254865	1/2 - 1 Mile ENE
C26	TXMON5000145773	1/2 - 1 Mile NNW
C27	TXDOL2000163423	1/2 - 1 Mile NNW
D28	TXEQ60000023296	1/2 - 1 Mile NNE
D29	TXWDB7000112443	1/2 - 1 Mile NNE

## OTHER STATE DATABASE INFORMATION

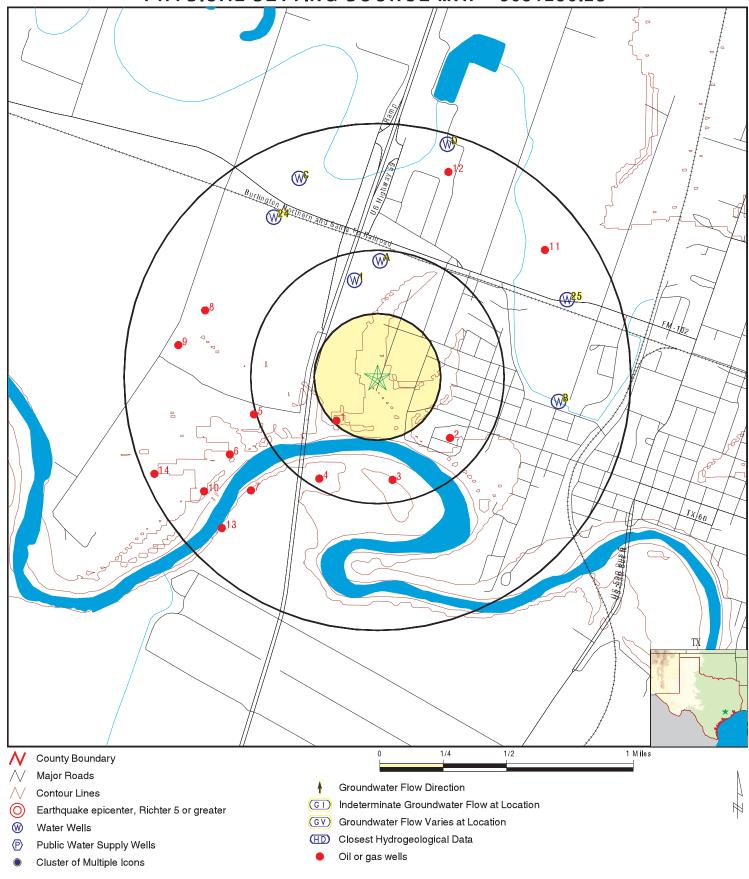
### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TXOG70000221042	1/8 - 1/4 Mile SW
2	TXOG70000221045	1/4 - 1/2 Mile SE

## STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	TXOG70000221047	1/4 - 1/2 Mile South
4	TXOG70000221048	1/4 - 1/2 Mile SSW
5	TXOG70000222356	1/2 - 1 Mile WSW
6	TXOG70000222362	1/2 - 1 Mile WSW
7	TXOG70000222503	1/2 - 1 Mile SW
8	TXOG70000222344	1/2 - 1 Mile WNW
9	TXOG70000222348	1/2 - 1 Mile West
10	TXOG70000222504	1/2 - 1 Mile WSW
11	TXOG70000221033	1/2 - 1 Mile NE
12	TXOG70000221029	1/2 - 1 Mile NNE
13	TXOG70000222517	1/2 - 1 Mile SW
14	TXOG70000222369	1/2 - 1 Mile WSW

## **PHYSICAL SETTING SOURCE MAP - 5631236.2s**



ADDRESS: Unknown Wharton TX 77488 LAT/LONG: 29.317795 / 96.120167 CONTACT: David Clark INQUIRY #: 5631236.2s DATE: April 24, 2019 11:28 am
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Map ID Direction				
Distance Elevation			Database	EDR ID Number
1 NNW 1/4 - 1/2 Mile Higher			TX WELLS	TXMON5000219995
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Datab 223138 Domestic no	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	90	Well Reported
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2010-07-14 01 Not Reported Not Reported Domestic Not Reported 2010-01-11 Other - trim- line 60' Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Steve Wells No 54863	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not F New Not F Not F 2010 trim- Not F Not F Not F Not F Not F Not F	ra Hales Reported Well Reported Reported Reported Jol - 12 line Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	5 90	
Details Reports For:	Well Drilling Method	Drill Method:	Mud	(Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Strai	ght Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 100 Not Reported	Top Depth: Annular Seal: Unit:	0 10 Not F	Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2010-01-12 Unknown	Measurement: Artesian Flow:	22 Not F	Reported
Details Reports For: Packers: Depth:	Well Packers inner tube type 10' and 75' Not Reported	Migrated Sort #:	1	
Details Reports For: Yield: Hours:	Well Test Not Reported Not Reported	Test Type: Drawdown:	Pum Not F	p Reported

Details Reports For: Top Depth: Water Type:	Well Strata Not Reported fresh	Migrated Strata Depth: Bottom Depth:	80-90 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-10 black gumbo	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 10-20 red sand	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 20- 50 red clay	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 50-70 red and grey clay mixed	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 70-80 grey clay and strippy sand	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 80-90 coarse sand	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2" new plastic 0-80' Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2" new plastic slotted 80-90 10 ga Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported

A2 North 1/4 - 1/2 Mile Higher

\_

Database: Plugging Rpt #: Borehole Depth (ft): Submitted Drillers Reports Database (Plugged)104779Well Type:40Well Report #:

TXPLU5000051652

Monitor 370053

**TX WELLS** 

Details Reports For:	Plug Data	Submitted Date:	2015-09-21
Owner Name:	LCRA	Well #:	TMW-3
# Wells Plugged:	Not Reported	Elevation:	Not Reported
Original Company Name:	Not Reported	Original Driller:	William Clayton
Original License #:	53420	Original Well Use:	Monitor
Original Drill Date:	2014-07-07	Chighlar Well 03c.	Wornton
Plug Method:	Pour in 3/8 bentonite chips v feet	when standing water in well is less that	an 100 feet depth, cement top 2
Plug Date:	2015-09-03	Variance #:	Not Reported
Company Name:	Vortex Drilling Inc	Plugger Name:	James E. Neal
Driller License:			
	4868	Apprentice Reg #:	Not Reported
Comments:	No Data	Comments:	Not Reported
Details Reports For:	Plug Bore Hole	Diameter:	3
Top Depth:	Not Reported	Bottom Depth:	40
Details Reports For:	Plug Casing	Top Depth:	0
Bottom Depth:	0	Diameter:	1
Dataila Daparta Fari		Ton Donth:	0
Details Reports For:	Plug Range	Top Depth:	•
Bottom Depth:	2	Plug Seal:	1 Bag Concrete
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Plug Range	Top Depth:	2
Bottom Depth:	40	Plug Seal:	1.2 Bentonite
Amount:	Not Reported	Unit:	Not Reported
3 orth		1	X WELLS TXPLU5000051654
4 - 1/2 Mile igher			
Database:	Submitted Drillers Reports D	Patabase (Plugged)	
Plugging Rpt #:	104781		
			Monitor
		Well Type:	Monitor 370087
Borehole Depth (ft):	45		Monitor 370087
Borehole Depth (ft):	45	Well Type: Well Report #:	370087
Borehole Depth (ft): Details Reports For:	45 Plug Data	Well Type: Well Report #: Submitted Date:	370087 2015-09-21
Borehole Depth (ft): Details Reports For: Owner Name:	45 Plug Data LCRA	Well Type: Well Report #:	370087 2015-09-21 TMW-4
Borehole Depth (ft): Details Reports For:	45 Plug Data	Well Type: Well Report #: Submitted Date:	370087 2015-09-21
Borehole Depth (ft): Details Reports For: Owner Name:	45 Plug Data LCRA Not Reported	Well Type: Well Report #: Submitted Date: Well #:	370087 2015-09-21 TMW-4
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name:	45 Plug Data LCRA Not Reported Not Reported	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller:	370087 2015-09-21 TMW-4 Not Reported William Clayton
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #:	45 Plug Data LCRA Not Reported Not Reported 53420	Well Type: Well Report #: Submitted Date: Well #: Elevation:	370087 2015-09-21 TMW-4 Not Reported
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name:	45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method:	45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date:	45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name:	45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License:	45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name: Apprentice Reg #:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name:	45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments:	45 Plug Data LCRA Not Reported S3420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License:	45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name: Apprentice Reg #:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments:	45 Plug Data LCRA Not Reported S3420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments: Details Reports For: Top Depth:	45 Plug Data LCRA Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments: Diameter: Bottom Depth:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported
Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments: Details Reports For:	45 Plug Data LCRA Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole	Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	370087 2015-09-21 TMW-4 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported

Bottom Depth:	0	Diameter:	1
Details Reports For: Bottom Depth: Amount:	Plug Range 45 Not Reported	Top Depth: Plug Seal: Unit:	2 1.4 Bentonite Not Reported
Details Reports For: Bottom Depth: Amount:	Plug Range 2 Not Reported	Top Depth: Plug Seal: Unit:	0 1 Bag Concrete Not Reported
A4 North 1/4 - 1/2 Mile Higher			TX WELLS TXPLU5000051651
Database:	Submitted Drillers Reports I	Database (Plugged)	
Plugging Rpt #:	104778	Well Type:	Monitor
Borehole Depth (ft):	40	Well Report #:	370182
Details Reports For: Owner Name:	Plug Data	Submitted Date:	2015-09-21
# Wells Plugged:	LCRA Not Reported	Well #: Elevation:	TMW-2 Not Reported
Original Company Name:	Not Reported	Original Driller:	William Clayton
Original License #:	53420	Original Well Use:	Monitor
Original Drill Date:	2014-07-07	Original Weil Ose.	Womon
Plug Method:		when standing water in well is less	than 100 feet depth, cement top 2
Plug Date:	2015-09-03	Variance #:	Not Reported
Company Name:	Vortex Drilling Inc	Plugger Name:	James E. Neal
Driller License:	4868	Apprentice Reg #:	Not Reported
Comments:	No Data	Comments:	Not Reported
Details Reports For:	Plug Bore Hole	Diameter:	3
Top Depth:	Not Reported	Bottom Depth:	40
Details Reports For:	Plug Casing	Top Depth:	0
Bottom Depth:	0	Diameter:	1
Details Reports For:	Plug Range	Top Depth:	0
Bottom Depth:	2	Plug Seal:	1 Bag Concrete
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Plug Range	Top Depth:	2
Bottom Depth:	40	Plug Seal:	1.2 Bentonite
Amount:	Not Reported	Unit:	Not Reported

Map ID Direction				
Distance Elevation			Database	EDR ID Number
A5 North 1/4 - 1/2 Mile Higher			TX WELLS	TXMON5000365177
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Da 370207 Monitor Not Reported	atabase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 45 1047	Well 796
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2014-07-30 TMW-10 Not Reported Not Reported 2014-07-09 Other - HAND Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported William A Clayton No 53420	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	New Not F Not F 2014 HAN Not F Yes Surfa Not F Not F Vorte Not F 1047	Reported Well Reported Reported Reported I-07-09 D Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	3 45	
Details Reports For:	Well Drilling Method	Drill Method:	Drive	en
Details Reports For:	Well Completion	Borehole Completion:	Filter	r Packed
Details Reports For: Top Depth: Size:	Well Filter 33 12/20	Filter Material: Bottom Depth:	Grav 45	rel
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:		g Concrete Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 33 Not Reported	Top Depth: Annular Seal: Unit:		Bentonite Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not F	Reported

Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Fill sand/ clay gray, wet @10-14.	Migrated Sort #: Bottom Depth:	0 14
Details Reports For: Top Depth: Lithology:	Well Lithology 14 Clay (CH) dark gray, moist, firm, r odor.	Migrated Sort #: Bottom Depth: to odor, turns reddish tan to gra	0 21 iy molted @ 16-20 soft damp, no
Details Reports For: Top Depth: Lithology:	Well Lithology 21 Sand (SP) reddish tan moist 100%	Migrated Sort #: Bottom Depth: 6 FGS soft no odor moist.	0 45
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC .010 45' to 3 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: 5' Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC 35' to 0 Rise Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: cr Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 1" New Top and Bottom Cap Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported
A6 North 1/4 - 1/2 Mile Higher			TX WELLS TXPLU5000051642
Database: Plugging Rpt #: Borehole Depth (ft):	Submitted Drillers Reports Databa 104777 45	ase (Plugged) Well Type: Well Report #:	Monitor 370027
Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date:	Plug Data LCRA Not Reported Not Reported 53420 2014-07-07	Submitted Date: Well #: Elevation: Original Driller: Original Well Use:	2015-09-21 TMW-1 Not Reported William Clayton Monitor

Plug Method:	Pour in 3/8 bentonite chips	when standing water in well is less that	an 100 feet depth, cement top 2
	feet		
Plug Date:	2015-09-03	Variance #:	Not Reported
Company Name:	Vortex Drilling Inc	Plugger Name:	James E. Neal
Driller License:	4868	Apprentice Reg #:	Not Reported
Comments:	No Data	Comments:	Not Reported
Dotoilo Bonorto For	Diug Poro Holo	Diameter:	3
Details Reports For: Top Depth:	Plug Bore Hole Not Reported	Bottom Depth:	3 45
Top Depth.	Not Reported	Bollom Depin.	45
Details Reports For:	Plug Casing	Top Depth:	0
Bottom Depth:	0	Diameter:	1
Details Reports For:	Plug Range	Top Depth:	2
Bottom Depth:	45	Plug Seal:	2 1.4 Bentonite
Amount:	Not Reported	Unit:	Not Reported
, mount.	Not Repondu	Ont.	Not Reported
Details Reports For:	Plug Range	Top Depth:	0
Bottom Depth:	2	Plug Seal:	1 Bag Concrete
Amount:	Not Reported	Unit:	Not Reported
rth - 1/2 Mile gher Database: Plugging Rot #:	Submitted Drillers Reports I	Database (Plugged)	TX WELLS TXPLU500005
- 1/2 Mile gher	Submitted Drillers Reports I 104782 45		TX WELLS TXPLU500005 Monitor 370184
<b>- 1/2 Mile gher</b> Database: Plugging Rpt #:	104782	Database (Plugged) Well Type:	Monitor
<b>- 1/2 Mile gher</b> Database: Plugging Rpt #: Borehole Depth (ft):	104782 45	Database (Plugged) Well Type: Well Report #:	Monitor 370184
<b>- 1/2 Mile</b> gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged:	104782 45 Plug Data LCRA Not Reported	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation:	Monitor 370184 2015-09-21 TMW-5 Not Reported
<b>- 1/2 Mile</b> gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name:	104782 45 Plug Data LCRA Not Reported Not Reported	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton
<b>- 1/2 Mile</b> gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #:	104782 45 Plug Data LCRA Not Reported Not Reported 53420	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation:	Monitor 370184 2015-09-21 TMW-5 Not Reported
<b>- 1/2 Mile</b> gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips of	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor
<b>- 1/2 Mile</b> gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips of feet	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less tha	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2
I - 1/2 Mile gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported
<b>I - 1/2 Mile</b> gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips of feet 2015-09-03 Vortex Drilling Inc	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal
I - 1/2 Mile gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported
<b>I - 1/2 Mile</b> gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips of feet 2015-09-03 Vortex Drilling Inc	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal
I - 1/2 Mile gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments: Details Reports For:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported
I - 1/2 Mile gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported
<ul> <li>1/2 Mile gher</li> <li>Database:</li> <li>Plugging Rpt #:</li> <li>Borehole Depth (ft):</li> <li>Details Reports For:</li> <li>Owner Name:</li> <li># Wells Plugged:</li> <li>Original Company Name:</li> <li>Original License #:</li> <li>Original Drill Date:</li> <li>Plug Method:</li> <li>Plug Date:</li> <li>Company Name:</li> <li>Driller License:</li> <li>Comments:</li> <li>Details Reports For:</li> <li>Top Depth:</li> <li>Details Reports For:</li> </ul>	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole Not Reported Plug Casing	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments: Diameter: Bottom Depth:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported
<ul> <li>1/2 Mile gher</li> <li>Database:</li> <li>Plugging Rpt #:</li> <li>Borehole Depth (ft):</li> <li>Details Reports For:</li> <li>Owner Name:</li> <li># Wells Plugged:</li> <li>Original Company Name:</li> <li>Original License #:</li> <li>Original Drill Date:</li> <li>Plug Method:</li> <li>Plug Date:</li> <li>Company Name:</li> <li>Driller License:</li> <li>Comments:</li> <li>Details Reports For:</li> <li>Top Depth:</li> </ul>	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole Not Reported	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments: Diameter: Bottom Depth:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported Not Reported
- 1/2 Mile gher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments: Details Reports For: Top Depth: Details Reports For: Bottom Depth:	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole Not Reported Plug Casing	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments: Diameter: Bottom Depth: Diameter: Diameter: Diameter: Diameter:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported
<ul> <li>1/2 Mile gher</li> <li>Database:</li> <li>Plugging Rpt #:</li> <li>Borehole Depth (ft):</li> <li>Details Reports For:</li> <li>Owner Name:</li> <li># Wells Plugged:</li> <li>Original Company Name:</li> <li>Original License #:</li> <li>Original Drill Date:</li> <li>Plug Method:</li> <li>Plug Date:</li> <li>Company Name:</li> <li>Driller License:</li> <li>Comments:</li> <li>Details Reports For:</li> <li>Top Depth:</li> <li>Details Reports For:</li> </ul>	104782 45 Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole Not Reported Plug Casing 0	Database (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments: Diameter: Bottom Depth: Diameter:	Monitor 370184 2015-09-21 TMW-5 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported Not Reported Not Reported 1

ase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use:	TX WELLS TXPLU500005165 Monitor 370203 2015-09-21 TMW-9 Not Reported William Clayton
Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller:	370203 2015-09-21 TMW-9 Not Reported
Well Report #: Submitted Date: Well #: Elevation: Original Driller:	370203 2015-09-21 TMW-9 Not Reported
Well Report #: Submitted Date: Well #: Elevation: Original Driller:	2015-09-21 TMW-9 Not Reported
Well #: Elevation: Original Driller:	TMW-9 Not Reported
Elevation: Original Driller:	Not Reported
Original Driller:	
0	Monitor
standing water in well is less t	than 100 feet depth, cement top 2
Variance #:	Not Reported
Plugger Name:	James E. Neal
Apprentice Reg #:	Not Reported
Comments:	Not Reported
Diameter:	3
Bottom Depth:	40
Top Depth:	0
Diameter:	1
Top Depth:	2
Plug Seal:	1.2 Bentonite
Unit:	Not Reported
	0
Top Depth:	1 Bag Concrete
Plug Seal:	Not Reported

North 1/4 - 1/2 Mile Higher

Database: Plugging Rpt #: Borehole Depth (ft):

Details Reports For: Owner Name: # Wells Plugged:

Submitted Drillers Reports Database (Plugged) 104796 Well Type: Well Report #: 45

Plug Data LCRA Not Reported

Submitted Date: Well #: Elevation:

**TX WELLS** TXPLU5000051666

> Withdrawal of Water 370207

2015-09-22 TMW-10 Not Reported

Original Company Name:	Not Reported	Original Driller:	William Clayton
Original License #:	53420	Original Well Use:	Withdrawal of Water
Original Drill Date:	2014-07-09	al a state d'annual an fairte d'annual fairte an de	
Plug Method:		when standing water in well is less that	an 100 feet depth, cement top 2
Plug Data:	feet	Variance #:	Not Poportod
Plug Date:	2015-09-03	Variance #:	Not Reported
Company Name:	Vortex Drilling Inc	Plugger Name:	James E. Neal
Driller License:	4868	Apprentice Reg #:	Not Reported
Comments:	No Data	Comments:	Not Reported
Details Reports For:	Plug Bore Hole	Diameter:	3
Top Depth:	Not Reported	Bottom Depth:	45
	Not Reported	Bottom Deptin.	43
Details Reports For:	Plug Casing	Top Depth:	Not Reported
Bottom Depth:	Not Reported	Diameter:	1
Bottom Boptin	Norrieponou	Diamotor	·
Details Reports For:	Plug Range	Top Depth:	0
Bottom Depth:	2	Plug Seal:	Concrete
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Plug Range	Top Depth:	2
Bottom Depth:	45	Plug Seal:	1.4 Bentonite
Amount:	Not Reported	Unit:	Not Reported
10			
orth 4 - 1/2 Mile		 	TX WELLS TXPLU50000516
orth 4 - 1/2 Mile igher	Submitted Drillers Reports D		TX WELLS TXPLU50000516
orth 4 - 1/2 Mile igher Database:	Submitted Drillers Reports D	Patabase (Plugged)	
orth 4 - 1/2 Mile igher Database: Plugging Rpt #:	104785	Patabase (Plugged) Well Type:	Monitor
orth 4 - 1/2 Mile igher Database:	•	Patabase (Plugged)	
orth 4 - 1/2 Mile igher Database: Plugging Rpt #:	104785	Patabase (Plugged) Well Type:	Monitor
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name:	104785 40	Patabase (Plugged) Well Type: Well Report #:	Monitor 370202
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name:	104785 40 Plug Data LCRA	Patabase (Plugged) Well Type: Well Report #: Submitted Date:	Monitor 370202 2015-09-21 TMW-8
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged:	104785 40 Plug Data LCRA Not Reported	Patabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation:	Monitor 370202 2015-09-21 TMW-8 Not Reported
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name:	104785 40 Plug Data LCRA	Patabase (Plugged) Well Type: Well Report #: Submitted Date: Well #:	Monitor 370202 2015-09-21 TMW-8
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #:	104785 40 Plug Data LCRA Not Reported Not Reported 53420	Patabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v	Patabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet	Vatabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03	Vatabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc	Vatabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868	Vatabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name: Apprentice Reg #:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc	Vatabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data	Vatabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments: Details Reports For:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole	Patabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data	Vatabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: vhen standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported
orth 4 - 1/2 Mile igher Database: Plugging Rpt #: Borehole Depth (ft): Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method: Plug Date: Company Name: Driller License: Comments: Details Reports For:	104785 40 Plug Data LCRA Not Reported Not Reported 53420 2014-07-09 Pour in 3/8 bentonite chips v feet 2015-09-03 Vortex Drilling Inc 4868 No Data Plug Bore Hole	Patabase (Plugged) Well Type: Well Report #: Submitted Date: Well #: Elevation: Original Driller: Original Well Use: when standing water in well is less that Variance #: Plugger Name: Apprentice Reg #: Comments:	Monitor 370202 2015-09-21 TMW-8 Not Reported William Clayton Monitor an 100 feet depth, cement top 2 Not Reported James E. Neal Not Reported Not Reported Not Reported

Details Reports For:	Plug Range	Top Depth:	0
Bottom Depth:	2	Plug Seal:	1 Bag Concrete
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Plug Range	Top Depth:	2
Bottom Depth:	40	Plug Seal:	1.2 Bentonite
Amount:	Not Reported	Unit:	Not Reported
A11 North 1/4 - 1/2 Mile Higher			TX WELLS TXPLU5000051656
Database: Plugging Rpt #: Borehole Depth (ft):	Submitted Drillers Reports I 104783 40	Database (Plugged) Well Type: Well Report #:	Monitor 370187
Details Reports For: Owner Name: # Wells Plugged: Original Company Name: Original License #: Original Drill Date: Plug Method:	Plug Data LCRA Not Reported Not Reported 53420 2014-07-08 Pour in 3/8 bentonite chips	Submitted Date: Well #: Elevation: Original Driller: Original Well Use:	2015-09-21 TMW-6 Not Reported William Clayton Monitor ss than 100 feet depth, cement top 2
Plug Date: Company Name: Driller License: Comments:	feet 2015-09-03 Vortex Drilling Inc 4868 No Data	Variance #: Plugger Name: Apprentice Reg #: Comments:	Not Reported James E. Neal Not Reported Not Reported
Details Reports For:	Plug Bore Hole	Diameter:	3
Top Depth:	Not Reported	Bottom Depth:	40
Details Reports For:	Plug Casing	Top Depth:	0
Bottom Depth:	0	Diameter:	1
Details Reports For:	Plug Range	Top Depth:	0
Bottom Depth:	2	Plug Seal:	1 Bag Concrete
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Plug Range	Top Depth:	2
Bottom Depth:	40	Plug Seal:	1.2 Bentonite
Amount:	Not Reported	Unit:	Not Reported

#### A12 North 1/4 - 1/2 Mile Higher

Database: Plugging Rpt #: Borehole Depth (ft): Submitted Drillers Reports Database (Plugged)104784Well Type:40Well Report #:

Monitor 370195

TXPLU5000051657

**TX WELLS** 

Details Reports For:	Plug Data	Submitted Date:	2015-09-21
Owner Name:	LCRA	Well #:	TMW-7
# Wells Plugged:	Not Reported	Elevation:	Not Reported
Original Company Name:	Not Reported	Original Driller:	William Clayton
Original License #:	53420	Original Well Use:	Monitor
Original Drill Date:	2014-07-08		
Plug Method:	Pour in 3/8 bentonite chips v feet	vhen standing water in well is less than 1	00 feet depth, cement top 2
Plug Date:	2015-09-03	Variance #:	Not Reported
Company Name:	Vortex Drilling Inc	Plugger Name:	James E. Neal
Driller License:	4868	Apprentice Reg #:	Not Reported
Comments:	No Data	Comments:	Not Reported
Details Reports For:	Plug Bore Hole	Diameter:	3
Top Depth:	Not Reported	Bottom Depth:	40
	Not Reported	Bottom Boptin	
Details Reports For:	Plug Casing	Top Depth:	0
Bottom Depth:	0	Diameter:	1
Details Reports For:	Plug Range	Top Depth:	2
Bottom Depth:	40	Plug Seal:	1.2 Bentonite
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Plug Range	Top Depth:	0
Bottom Depth:	2	Plug Seal:	1 Bag Concrete
Amount:	Not Reported	Unit:	Not Reported
13 orth /4 - 1/2 Mile igher		TX I	WELLS TXMON500036
Database:	Submitted Drillers Reports D	Patabase (Monitoring)	
Well Rpt #:	370087	Well Type:	New Well
Proposed Use:	Monitor	Borehole Depth (ft):	45
Injurious Water Quality:	Not Reported	Plugging Rpt #:	104781
Submitted Date:	2014-07-29	Owner Name:	LCRA
Well #:	TMW-4	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Monitor	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2014-07-08	Drill End Date:	2014-07-08
Seal Method:	Other - HAND	Seal Method Desc:	HAND
	Not Reported		
Dist to Septic/Other Contam:	•	Distance to Septic Tank:	Not Reported
Dist to Property Line: Approved by Variance:	Not Reported	Distance Verify Meth:	Not Reported
Approved by Variance: Sealed by Name:	Not Reported	Sealed by Driller: Surface Completion:	Yes Surface Sleeve Installer
		SULIACE COMOLEUOD	SULIACE SIEEVE INSTALLED

Seal Method: Dist to Septic/Other Contan Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs:

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

No

William A Clayton

TC5631236.2s Page A-21

Surface Completion:

Completed by Driller:

Pump Type Desc:

Chemical Analysis:

Plugging Rpt Tracking #:

Company Name:

Comments:

Surface Sleeve Installed

Not Reported

Not Reported Not Reported

Not Reported 104781

Vortex Drilling Inc.

Driller License #:	53420	Apprentice Reg #:	Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	3 45
Details Reports For:	Well Drilling Method	Drill Method:	Driven
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 33 12/20	Filter Material: Bottom Depth:	Gravel 45
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 1 Bag Concrete Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 33 Not Reported	Top Depth: Annular Seal: Unit:	2 2.17 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Fill Clay sand concrete.	Migrated Sort #: Bottom Depth:	0 11
Details Reports For: Top Depth: Lithology:	Well Lithology 11 Clay (CL): Black, to ok gray moist sli	Migrated Sort #: Bottom Depth: ght hydrocarbon odor, medium sol	0 16 vent/diesel.
Details Reports For: Top Depth: Lithology:	Well Lithology 16 Clay (CL) reddish tan to white mottle	Migrated Sort #: Bottom Depth: ed.	0 16
Details Reports For: Top Depth: Lithology:	Well Lithology 16 Clay (CL) black, medium plastic, mo	Migrated Sort #: Bottom Depth: ist, opp.	0 17
Details Reports For: Top Depth: Lithology:	Well Lithology 17 Lean clay (CL) firm, tan to moist, sat	Migrated Sort #: Bottom Depth: urated at 13-14.	0 19

Details Reports For: Top Depth: Lithology:	Well Lithology 19 Sand (SP) reddish tan, moist.	Migrated Sort #: Bottom Depth:	0 20
Details Reports For: Top Depth: Lithology:	Well Lithology 20 Clay (CL) black to reddish tan, moist	Migrated Sort #: Bottom Depth: , 0.1 @ 20-21.	0 21
Details Reports For: Top Depth: Lithology:	Well Lithology 21 Sand (SP) reddish tan, loose moist.	Migrated Sort #: Bottom Depth:	0 26
Details Reports For: Top Depth: Lithology:	Well Lithology 26 Clayey sand layer.	Migrated Sort #: Bottom Depth:	0 30
Details Reports For: Top Depth: Lithology:	Well Lithology 30 substance minor gravel.	Migrated Sort #: Bottom Depth:	0 32
Details Reports For: Top Depth: Lithology:	Well Lithology 32 Silty.	Migrated Sort #: Bottom Depth:	0 37
Details Reports For: Top Depth: Lithology:	Well Lithology 37 Clay/sand inter damp to light wet @	Migrated Sort #: Bottom Depth: 39.5-40.	0 41
Details Reports For: Top Depth: Lithology:	Well Lithology 41 Sand (SP) reddish tan, 100% FGS, I	Migrated Sort #: Bottom Depth: oose, saturated.	0 45
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC .010 45' to 35' Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC 35' to 0 Riser Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 1" New Top and Bottom Cap Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported

Map ID Direction				
Distance Elevation			Database	EDR ID Number
A14 North 1/4 - 1/2 Mile Higher			TX WELLS	TXMON5000365152
Database:	Submitted Drillers Reports D	atabase (Monitoring)		
Well Rpt #:	370182	Well Type:		Well
Proposed Use: Injurious Water Quality:	Monitor	Borehole Depth (ft):	40	770
injunous water Quality.	Not Reported	Plugging Rpt #:	1047	78
Submitted Date:	2014-07-30	Owner Name:	LCR	A
Well #:	TMW-2	# Wells Drilled:	Not I	Reported
Elevation:	Not Reported	Type of Work:		Well
Work Type Desc:	Not Reported	Original Well Rpt Track #		Reported
Proposed Use:	Monitor	Proposed Use Desc:		Reported
TCEQ Approved Plans:	Not Reported	PWS #:		Reported
Drill Start Date:	2014-07-07	Drill End Date:	-	I-07-07
Seal Method:	Other - HAND	Seal Method Desc:	HAN	
Dist to Septic/Other Contam:	Not Reported Not Reported	Distance to Septic Tank:		Reported Reported
Dist to Property Line: Approved by Variance:	Not Reported	Distance Verify Meth: Sealed by Driller:	Yes	Reponed
Sealed by Name:	Not Reported	Surface Completion:		ace Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	•	Reported
Pump Type:	Not Reported	Pump Type Desc:		Reported
Pump Depth:	Not Reported	Chemical Analysis:		Reported
Injurious Water:	Not Reported	Company Name:		ex Drilling Inc.
Driller Name:	William A Clayton	Comments:		Reported
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	1047	78
Driller License #:	53420	Apprentice Reg #:	Not I	Reported
Details Reports For:	Well Bore Hole	Diameter:	3	
Top Depth:	0	Bottom Depth:	40	
Details Reports For:	Well Drilling Method	Drill Method:	Drive	en
Details Reports For:	Well Completion	Borehole Completion:	Filter	Packed
Details Reports For:	Well Filter	Filter Material:	Grav	rel
Top Depth:	28	Bottom Depth:	40	
Size:	12/20	·		
Details Reports For:	Well Seal Range	Top Depth:	2	
Bottom Depth:	28	Annular Seal:		Bentonite
Amount:	Not Reported	Unit:		Reported
Details Reports For:	Well Seal Range	Top Depth:	0	<b>a</b>
Bottom Depth:	2 Not Described	Annular Seal:		g Concrete
Amount:	Not Reported	Unit:	Not I	Reported
Details Reports For:	Well Packers	Migrated Sort #:	1	
Packers:	N/A	Depth:	Not I	Reported

Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Lean clay (CL) medium gray, moist 9	Migrated Sort #: Bottom Depth: 90% fine 10% silt, medium plastic.	0 2
Details Reports For: Top Depth: Lithology:	Well Lithology 2 Sandy with clay layers (SC) reddish	Migrated Sort #: Bottom Depth: tan 10% sand 30%, firm, loose.	0 5
Details Reports For: Top Depth: Lithology:	Well Lithology 5 Clay (CL) light gray, moist.	Migrated Sort #: Bottom Depth:	0 7
Details Reports For: Top Depth: Lithology:	Well Lithology 7 Gavel- (GW) light gray to white.	Migrated Sort #: Bottom Depth:	0 7.5
Details Reports For: Top Depth: Lithology:	Well Lithology 7.5 black stained.	Migrated Sort #: Bottom Depth:	0 8
Details Reports For: Top Depth: Lithology:	Well Lithology 8 Sand (SP) light tan loose, dry.	Migrated Sort #: Bottom Depth:	0 11
Details Reports For: Top Depth: Lithology:	Well Lithology 11 black stained 10.5-12, fill-20, yellow	Migrated Sort #: Bottom Depth: powder fill @ 19-20.	0 23
Details Reports For: Top Depth: Lithology:	Well Lithology 23 Sand (SP) light tan, dry, loose 100%	Migrated Sort #: Bottom Depth: FGS.	0 25
Details Reports For: Top Depth: Lithology:	Well Lithology 25 Dark gray stain-no odor 0.0.	Migrated Sort #: Bottom Depth:	0 26
Details Reports For: Top Depth: Lithology:	Well Lithology 26 black stain 0.2.	Migrated Sort #: Bottom Depth:	0 32
Details Reports For: Top Depth: Lithology:	Well Lithology 32 Clay layer.	Migrated Sort #: Bottom Depth:	0 39
Details Reports For: Top Depth:	Well Lithology 39	Migrated Sort #: Bottom Depth:	0 40

#### Lithology:

Saturated @ 38.

Details Reports For: Top Depth: Migrated Casing Info:	Well Casing Not Reported 1" New SCH 40 PVC .010 40' to 3	Migrated Sort #: Bottom Depth: 30' Screen	1 Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth: Migrated Casing Info:	Not Reported 1" New SCH 40 PVC 30' to 0 Rise	Bottom Depth: er	Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New Top and Bottom Cap	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type:	Not Reported	Schedule:	Not Reported
Gauge:	Not Reported		
A15 North 1/4 - 1/2 Mile Higher			TX WELLS TXMON5000365002
Database:	Submitted Drillers Reports Databa	ase (Monitoring)	
Well Rpt #:	370027	Well Type:	New Well
Proposed Use:	Monitor	Borehole Depth (ft):	45
Injurious Water Quality:	Not Reported	Plugging Rpt #:	104777

Inju Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:

Details Reports For: Top Depth:

2014-07-29 Owner Name:

TMW-1

Monitor

Not Reported

Not Reported

Not Reported

Other - HAND

Not Reported

Well Bore Hole

No

0

53420

William A Clayton

2014-07-07

# Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:

> Diameter: Bottom Depth:

LCRA Not Reported New Well Not Reported Not Reported Not Reported 2014-07-07 HAND Not Reported Not Reported Yes Surface Sleeve Installed Not Reported Not Reported Not Reported Vortex Drilling Inc. Not Reported 104777 Not Reported

3 45

Details Reports For:	Well Drilling Method	Drill Method:	Driven
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 33 12/20	Filter Material: Bottom Depth:	Gravel 45
Details Reports For:	Well Seal Range	Top Depth:	2
Bottom Depth:	33	Annular Seal:	2.17 Bentonite
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	2	Annular Seal:	1 Bag Concrete
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Well Packers	Migrated Sort #:	1
Packers:	N/A	Depth:	Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	0	Bottom Depth:	2
Lithology:	Sandy Clay (CL) tan to gray, moist 8	0% frim 70% sand, no odor non pla	astic.
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	2	Bottom Depth:	8
Lithology:	Lean Clay (CL) moderately dark gray	v, moderately plastic, 90% fine 10%	sand/silt, no odor.
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	8	Bottom Depth:	9
Lithology:	Sandy grades (GM); dark brown to b	lack meets piece 1/2" length, dry, l	00se.
Details Reports For: Top Depth: Lithology:	Well Lithology 9 Sand (SP); Fill? light tan, dry 90% sa	Migrated Sort #: Bottom Depth: and 10% gravel, loose no odor.	0 11
Details Reports For: Top Depth: Lithology:	Well Lithology 11 Clay (CL) dark gray, grades to light t plastic firm.	Migrated Sort #: Bottom Depth: an to reddish tan @14, moist 90%	0 19 fine, 10% silt, medium
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	19	Bottom Depth:	20
Lithology:	Clayey sand (SC): light reddish brow	n, saturated plastic, 50% fine, 50%	sand, no odor.
Details Reports For:	Well Lithology	Migrated Sort #:	0

Top Depth:	20	Bottom Depth:	21
Lithology:	Sand (SP) Light reddish tan, moist	100% poorly sorted no odor.	
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	21	Bottom Depth:	21
Lithology:	Gravelly sand (SW), dry medium g		dor, 50% sand 50% gravel loose.
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	21	Bottom Depth:	45
Lithology:	Sand (SP) reddish tan, moist, 1009 Gravelly 31.32 slight odor light gray light gray stains (0.4), Clay layer 39 @ 41.7- 45 no odor.	v stains,rotten (0.4), Gravelly-36-3	37.5 slight rotten odor,
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New SCH 40 PVC .010 45' to 35	5' Screen	·
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New SCH 40 PVC 35' to 0 Riser		
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New Top and Bottom Cap	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type: Gauge:	Not Reported Not Reported	Schedule:	Not Reported
A16 North 1/4 - 1/2 Mile Higher		TX V	WELLS TXMON5000365026
Database:	Submitted Drillers Reports Databas	se (Monitoring)	
Well Rpt #:	370053	Well Type:	New Well
Proposed Use:	Monitor	Borehole Depth (ft):	40
Injurious Water Quality:	Not Reported	Plugging Rpt #:	104779
Submitted Date:	2014-07-29	Owner Name:	LCRA
Well #:	TMW-3	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Monitor	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2014-07-07	Drill End Date:	2014-07-07
Seal Method:	Other - HAND	Seal Method Desc:	HAND
Dist to Sentic/Other Contam	Not Reported	Distance to Sentic Tank:	Not Reported

Dist to Septic/Other Contam:

Not Reported

Not Reported

Distance to Septic Tank:

Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported William A Clayton No 53420	Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not Reported Yes Surface Sleeve Installed Not Reported Not Reported Vortex Drilling Inc. Not Reported 104779 Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	3 40
Details Reports For:	Well Drilling Method	Drill Method:	Driven
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 28 12/20	Filter Material: Bottom Depth:	Gravel 40
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 1 Bag Concrete Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 28 Not Reported	Top Depth: Annular Seal: Unit:	2 1.82 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Sand clay (CL) light brown, dry, 80º	Migrated Sort #: Bottom Depth: % firm 20% sand, firm o odor.	0 3
Details Reports For: Top Depth: Lithology:	Well Lithology 3 Sand (SP) light tan, dry loose 100%	Migrated Sort #: Bottom Depth: 6 FGS.	0 9
Details Reports For: Top Depth: Lithology:	Well Lithology 9 Clay (CL): dark gray, moist, 100% f gray mottled no odor, 16-17 sandy,		

Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth: Lithology:	22 Sand (SP): light tannish, moist, 100	Bottom Depth: % FGS, loose no odor.	25
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	25	Bottom Depth:	26
Lithology:	0.4/HS(12).	Bollom Beplin.	20
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	26	Bottom Depth:	40
Lithology:	Black stains 67pp		
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New SCH 40 PVC .010 40' to 30		
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New SCH 40 PVC 30' to 0 Riser		
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New Top and Bottom Cap	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type: Gauge:	Not Reported Not Reported	Schedule:	Not Reported
17 orth /4 - 1/2 Mile igher		тх у	VELLS TXMON500036515
Database:	Submitted Drillers Reports Databas	( <b>S</b> )	
Well Rpt #:	370184	Well Type:	New Well
Proposed Use:	Monitor	Borehole Depth (ft):	45
Injurious Water Quality:	Not Reported	Plugging Rpt #:	104782
Submitted Date:	2014-07-30	Owner Name:	LCRA
Well #:	TMW-5	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Monitor	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2014-07-08	Drill End Date:	2014-07-08
Seal Method:	Other - HAND	Seal Method Desc:	HAND Not Reported
Dist to Septic/Other Contam:	Not Reported	Distance to Septic Tank:	Not Reported
Dist to Property Line:	Not Reported	Distance Verify Meth:	Not Reported
Approved by Variance:	Not Reported	Sealed by Driller:	Yes

Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	Not Reported Not Reported Not Reported Not Reported William A Clayton No 53420	Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Surface Sleeve Installed Not Reported Not Reported Not Reported Vortex Drilling Inc. Not Reported 104782 Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	3 45
Details Reports For:	Well Drilling Method	Drill Method:	Driven
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 33 12/20	Filter Material: Bottom Depth:	Gravel 45
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 1 Bag Concrete Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 33 Not Reported	Top Depth: Annular Seal: Unit:	2 2.17 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Sand Fill.	Migrated Sort #: Bottom Depth:	0 4
Details Reports For: Top Depth: Lithology:	Well Lithology 4 Fill clay.	Migrated Sort #: Bottom Depth:	0 7.5
Details Reports For: Top Depth: Lithology:	Well Lithology 7.5 Sand Fill.	Migrated Sort #: Bottom Depth:	0 8
Details Reports For: Top Depth: Lithology:	Well Lithology 8 Clay fill, 14-15 hydrocarbon odor, 18	Migrated Sort #: Bottom Depth: 3-20 hydrocarbon odor- green stain	0 25 Is, 23-24 hydrocarbon odor.

Details Reports For: Top Depth:	Well Lithology 25	Migrated Sort #: Bottom Depth:	0 45
Lithology:	Sand (SP) lite tannish , 100% FGS lo	oose, damp, soft, no odor/no stains	
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New SCH 40 PVC .010 45'to 35' S		
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New SCH 40 PVC 35' to 0 Riser	·	·
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New Top and Bottom Cap	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type:	Not Reported	Schedule:	Not Reported
Gauge:	Not Reported		
18 orth 4 - 1/2 Mile		TX WE	
		TX WE	LLS TXMON50003651
orth 4 - 1/2 Mile gher Database:	Submitted Drillers Reports Database	(Monitoring)	
orth 4 - 1/2 Mile gher Database: Well Rpt #:	Submitted Drillers Reports Database 370202	(Monitoring) Well Type:	New Well
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use:	Submitted Drillers Reports Database 370202 Monitor	(Monitoring) Well Type: Borehole Depth (ft):	New Well 40
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use:	Submitted Drillers Reports Database 370202	(Monitoring) Well Type:	New Well
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use:	Submitted Drillers Reports Database 370202 Monitor	(Monitoring) Well Type: Borehole Depth (ft):	New Well 40
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Database 370202 Monitor Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New Well 40 104785
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name:	New Well 40 104785 LCRA
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled:	New Well 40 104785 LCRA Not Reported
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work:	New Well 40 104785 LCRA Not Reported New Well
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Not Reported Monitor Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #:	New Well 40 104785 LCRA Not Reported New Well Not Reported Not Reported Not Reported
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Not Reported Monitor Not Reported 2014-07-09	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date:	New Well 40 104785 LCRA Not Reported New Well Not Reported Not Reported Not Reported 2014-07-09
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc:	New Well 40 104785 LCRA Not Reported New Well Not Reported Not Reported Not Reported 2014-07-09 HAND
brth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank:	New Well 40 104785 LCRA Not Reported New Well Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported
brth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth:	New Well 40 104785 LCRA Not Reported New Well Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported Not Reported
Prth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller:	New Well 40 104785 LCRA Not Reported Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported Not Reported Yes
orth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion:	New Well 40 104785 LCRA Not Reported Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported Not Reported Yes Surface Sleeve Installed
brth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller:	New Well 40 104785 LCRA Not Reported Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported Not Reported Yes Surface Sleeve Installed Not Reported
brth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc:	New Well 40 104785 LCRA Not Reported Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported
brth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis:	New Well 40 104785 LCRA Not Reported Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported
brth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name:	New Well 40 104785 LCRA Not Reported Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported Not Reported Yes Surface Sleeve Installed Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Vortex Drilling Inc.
brth 4 - 1/2 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth:	Submitted Drillers Reports Database 370202 Monitor Not Reported 2014-07-30 TMW-8 Not Reported Not Reported Monitor Not Reported 2014-07-09 Other - HAND Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis:	New Well 40 104785 LCRA Not Reported Not Reported Not Reported Not Reported 2014-07-09 HAND Not Reported Not Reported

Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	3 40
Details Reports For:	Well Drilling Method	Drill Method:	Driven
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 28 12/20	Filter Material: Bottom Depth:	Gravel 40
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 1 Bag Concrete Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 28 Not Reported	Top Depth: Annular Seal: Unit:	2 1.82 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Sand/clay fill, no odor.	Migrated Sort #: Bottom Depth:	0 13
Details Reports For: Top Depth: Lithology:	Well Lithology 13 Clay (CH) dark gray, moist, minor w reddish tan @13-15, no odor, 12-13		0 15 plasticity clay turns
Details Reports For: Top Depth: Lithology:	Well Lithology 15 Sand with clay ( SP/CH), loose no o	Migrated Sort #: Bottom Depth: dor, lost sample barrel, redrill with	0 31 DT 22 system.
Details Reports For: Top Depth: Lithology:	Well Lithology 31 Silty sand, no odor	Migrated Sort #: Bottom Depth:	0 40
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC .010 40' to 30' Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: **Casing Status:** Casing Type: Gauge:

A19

#### Well Casing Not Reported 1" New SCH 40 PVC 30' to 0 Riser Not Reported Not Reported Not Reported

Well Casing Not Reported 1" New Top and Bottom Cap Not Reported Not Reported Not Reported

Migrated Sort #: Bottom Depth:

Casing Status: Casing Type:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Gauge:

#### 2 Not Reported

Not Reported Not Reported Not Reported

3 Not Reported Not Reported Not Reported Not Reported

#### TX WELLS TXMON5000365173

North 1/4 - 1/2 Mile Higher Database: Submitted Drillers Reports Database (Monitoring) Well Rpt #: 370203 New Well Well Type: Borehole Depth (ft): Proposed Use: Monitor 40 Injurious Water Quality: Not Reported Plugging Rpt #: 104786 Submitted Date: 2014-07-30 Owner Name: LCRA Well #: TMW-9 # Wells Drilled: Not Reported of Marl Not Don

			Not Ropolitou
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Monitor	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2014-07-09	Drill End Date:	2014-07-09
Seal Method:	Other - HAND	Seal Method Desc:	HAND
Dist to Septic/Other Contam:	Not Reported	Distance to Septic Tank:	Not Reported
Dist to Property Line:	Not Reported	Distance Verify Meth:	Not Reported
Approved by Variance:	Not Reported	Sealed by Driller:	Yes
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Not Reported	Pump Type Desc:	Not Reported
Pump Depth:	Not Reported	Chemical Analysis:	Not Reported
Injurious Water:	Not Reported	Company Name:	Vortex Drilling Inc.
Driller Name:	William A Clayton	Comments:	Not Reported
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	104786
Driller License #:	53420	Apprentice Reg #:	Not Reported
Details Reports For:	Well Bore Hole	Diameter:	3
Top Depth:	0	Bottom Depth:	40
Details Descerts Fee			Driver
Details Reports For:	Well Drilling Method	Drill Method:	Driven
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For.	Weil Completion	Borenole Completion.	Filler Fackeu
Details Reports For:	Well Filter	Filter Material:	Gravel
Top Depth:	28	Bottom Depth:	40
Size:	12/20	Lotter Boptin	
*-=*-			

Details Reports For: Bottom Depth: Amount:	Well Seal Range 28 Not Reported	Top Depth: Annular Seal: Unit:	2 1.82 Bentonite Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 1 Bag Concrete Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Fill sand/clay mixture 90% sand 109	Migrated Sort #: Bottom Depth: % clay no odor.	0 7.5
Details Reports For: Top Depth: Lithology:	Well Lithology 7.5 Clay (CH) dark gray, moist, 100% fi gray mottled, no odor.\	Migrated Sort #: Bottom Depth: ine, no odor, dry, stiff, @13 clay	0 20 transitions to reddish tan to
Details Reports For: Top Depth: Lithology:	Well Lithology 20 Sand (SP) reddish tan, moist, 100%	Migrated Sort #: Bottom Depth: 6 FGS, loose no odor, no odor a	0 40 t 30-40.
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC .010 40' to 30 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: 'Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC 30' to 0 Riser Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 1" New Top and Bottom Cap Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported

Map ID Direction				
Distance Elevation			Database	EDR ID Number
A20 North 1/4 - 1/2 Mile Higher			TX WELLS	TXMON5000365157
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports E 370187 Monitor Not Reported	Database (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 40 1047	Well 783
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2014-07-30 TMW-6 Not Reported Not Reported Monitor Not Reported 2014-07-08 Other - HAND Not Reported Not Reported William A Clayton No 53420	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	New Not F Not F 2014 HAN Not F Yes Surfa Not F Not F Vorte Not F 1047	Reported Well Reported Reported P-07-08 D Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported
Details Reports For: Top Depth:	Well Bore Hole	Diameter: Bottom Depth:	3 40	(cponed
Details Reports For:	Well Drilling Method	Drill Method:	Drive	en
Details Reports For:	Well Completion	Borehole Completion:	Filter	r Packed
Details Reports For: Top Depth: Size:	Well Filter 28 12/20	Filter Material: Bottom Depth:	Grav 40	rel
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:		g Concrete Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 28 Not Reported	Top Depth: Annular Seal: Unit:	-	Bentonite Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not F	Reported

Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Sand Fill.	Migrated Sort #: Bottom Depth:	0 4
Details Reports For: Top Depth: Lithology:	Well Lithology 4 Clay fill.	Migrated Sort #: Bottom Depth:	0 5
Details Reports For: Top Depth: Lithology:	Well Lithology 5 Sand Fill, wet.	Migrated Sort #: Bottom Depth:	0 7
Details Reports For: Top Depth: Lithology:	Well Lithology 7 Fat Clay (CH), dark gray, moist, 100 7-8, 13 lean clay(CL) reddish brown		0 13 t hydrocarbon odor creosote
Details Reports For: Top Depth: Lithology:	Well Lithology 14 Silty.	Migrated Sort #: Bottom Depth:	0 15
Details Reports For: Top Depth: Lithology:	Well Lithology 15 Sand gray, moderate hydrocarbon c	Migrated Sort #: Bottom Depth: dor.	0 20
Details Reports For: Top Depth: Lithology:	Well Lithology 20 Possible product (32-35).	Migrated Sort #: Bottom Depth:	0 40
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC .010 40' to 30' Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1" New SCH 40 PVC 30' to 0 Riser Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type:	Well Casing Not Reported 1" New Top and Bottom Cap Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported

Gauge:

Not Reported

A21 North 1/4 - 1/2 Mile		тх	WELLS	TXMON5000365165
Higher				
Database:	Submitted Drillers Reports Da		Nau	\\/_U
Well Rpt #:	370195 Manitan	Well Type:	New	vveii
Proposed Use:	Monitor	Borehole Depth (ft):	40	0.4
Injurious Water Quality:	Not Reported	Plugging Rpt #:	1047	84
Submitted Date:	2014-07-30	Owner Name:	LCR/	
Well #:	TMW-7	# Wells Drilled:	Not F	Reported
Elevation:	Not Reported	Type of Work:	New	Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not F	Reported
Proposed Use:	Monitor	Proposed Use Desc:	Not F	Reported
TCEQ Approved Plans:	Not Reported	PWS #:		Reported
Drill Start Date:	2014-07-08	Drill End Date:		-07-08
Seal Method:	Other - HAND	Seal Method Desc:	HAN	
Dist to Septic/Other Contam:	Not Reported	Distance to Septic Tank:		Reported
Dist to Property Line:	Not Reported	Distance Verify Meth:		Reported
Approved by Variance:	Not Reported	Sealed by Driller:	Yes	loponou
Sealed by Name:	Not Reported	Surface Completion:		ce Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:		Reported
Pump Type:	Not Reported	Pump Type Desc:		Reported
Pump Depth:	Not Reported	Chemical Analysis:		Reported
Injurious Water:	Not Reported	Company Name:		ex Drilling Inc.
Driller Name:	William A Clayton	Comments:		Reported
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	1047	
Driller License #:	53420	Apprentice Reg #:		Reported
	55420		NOUT	reponed
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	3 40	
	0	Bollom Depin.	40	
Details Reports For:	Well Drilling Method	Drill Method:	Drive	n
Details Reports For:	Well Completion	Borehole Completion:	Filter	Packed
Details Reports For:	Well Filter	Filter Material:	Grav	el
Top Depth:	28	Bottom Depth:	40	
Size:	12/20			
Details Reports For:	Well Seal Range	Top Depth:	2	
Bottom Depth:	28	Annular Seal:		Bentonite
Amount:	Not Reported	Unit:	Not F	Reported
Details Reports For:	Well Seal Range	Top Depth:	0	
Bottom Depth:	2	Annular Seal:	-	g Concrete
Amount:	- Not Reported	Unit:		Reported
Details Reports For:	Well Packers	Migrated Sort #:	1	

Packers:	N/A	Depth:	Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Clayey, Sand (SC), light tan, moist 6	Migrated Sort #: Bottom Depth: 0% FGS 40% firm, no odor, soft.	0 12
Details Reports For: Top Depth: Lithology:	Well Lithology 12 Lean clay (CL) reddish tan to gray, n	Migrated Sort #: Bottom Depth: nottled, 90% fine 10% silt, firm to h	0 20 ard, moist.
Details Reports For: Top Depth: Lithology:	Well Lithology 20 Clay (CL) reddish brown, moist to da	Migrated Sort #: Bottom Depth: Imp.	0 22
Details Reports For: Top Depth: Lithology:	Well Lithology 22 Lean clay reddish brown, moist.	Migrated Sort #: Bottom Depth:	0 24
Details Reports For: Top Depth: Lithology:	Well Lithology 24 Silt, sand (SC) reddish brown to yelle	Migrated Sort #: Bottom Depth: ow, moist, firm.	0 28
Details Reports For: Top Depth: Lithology:	Well Lithology 28 Sand (SP) reddish to yellow moist, 1	Migrated Sort #: Bottom Depth: 00% FGS soft.	0 29
Details Reports For: Top Depth: Lithology:	Well Lithology 29 Sandy clay (SC) reddish tan moist 5	Migrated Sort #: Bottom Depth: 0% firm 50% silt.	0 29
Details Reports For: Top Depth: Lithology:	Well Lithology 29 Lean clay (CL) reddish tan, moist, fir	Migrated Sort #: Bottom Depth: m, medium plastic.	0 30
Details Reports For: Top Depth: Lithology:	Well Lithology 30 Sand clay (CL) light red tan, moist fir	Migrated Sort #: Bottom Depth: m.	0 32
Details Reports For: Top Depth: Lithology:	Well Lithology 32 Sand (SP) light tan red, moist loose	Migrated Sort #: Bottom Depth: 100% MGS no odor.	0 40
Details Reports For: Top Depth: Migrated Casing Info: Diameter:	Well Casing Not Reported 1" New SCH 40 PVC .010 40' to 30' Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status:	1 Not Reported Not Reported

Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	– Not Reported
Migrated Casing Info:	1" New SCH 40 PVC 30' to 0 Rise	•	
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	1" New Top and Bottom Cap	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type:	Not Reported	Schedule:	Not Reported
Gauge:	Not Reported		
B22 East 1/2 - 1 Mile			TX WELLS TXDOL2000163709
Higher			
-	Well Report Database	Fide	163708
Database:	Well Report Database	Fid: Edrisite i	163708 73990
Database: Rec id:	163703	Edr site i:	73990
Database: Rec id: Owner:	163703 BALLARD EXPLORATION INC	Edr site i: Ownerwell:	
Database: Rec id: Owner: Address:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77	Edr site i: Ownerwell:	73990
Database: Rec id: Owner: Address: Grid:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4	Edr site i: Ownerwell: 002	73990 No Data
Database: Rec id: Owner: Address:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77	Edr site i: Ownerwell: 002 SW from US 59, Wharton ,	73990 No Data
Database: Rec id: Owner: Address: Grid: Waddress: Lat:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just	Edr site i: Ownerwell: 002	73990 No Data
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N	Edr site i: Ownerwell: 2002 SW from US 59, Wharton , County: Elevation:	73990 No Data , TX Wharton
Database: Rec id: Owner: Address: Grid: Waddress: Lat:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W	Edr site i: Ownerwell: 002 SW from US 59, Wharton , County:	73990 No Data , TX Wharton No Data
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply	Edr site i: Ownerwell: 2002 SW from US 59, Wharton , County: Elevation: Typeofwork:	73990 No Data , TX Wharton No Data New Well
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data	Edr site i: Ownerwell: 2002 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate:	73990 No Data , TX Wharton No Data New Well Not Reported
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported	Edr site i: Ownerwell: 2002 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary	Edr site i: Ownerwell: 2002 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported	Edr site i: Ownerwell: 2002 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and materials)	Edr site i: Ownerwell: 2002 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial)	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston, TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and ma No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data No Data No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data No Data N/A ft No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data No Data N/A ft No Data Surface Sleeve Installed	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data No Data N/A ft No Data Surface Sleeve Installed No Data No Data No Data No Data Surface Sleeve Installed No Data No Data No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Packers:	73990 No Data , TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004 No Data Submersible No Data
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data N/A ft No Data Surface Sleeve Installed No Data No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Packers: Typepump: Welltests: Watertype:	73990 No Data ,TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004 No Data Submersible No Data Fresh
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Stratadept:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data N/A ft No Data Surface Sleeve Installed No Data No Data No Data 147 ft Not Reported No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Packers: Typepump: Welltests: Watertype: Chemicalma:	73990 No Data ,TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004 No Data Submersible No Data Fresh No
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Stratadept: Undesirabl:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data N/A ft No Data Surface Sleeve Installed No Data No Data 147 ft Not Reported No Data 147 ft Not Reported No Data No Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Packers: Typepump: Welltests: Watertype: Chemicalma: Companynam:	73990 No Data ,TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004 No Data Submersible No Data Fresh No B & L WATER WELL SERVICE INC
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Stratadept: Undesirabl: Companyadd:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data N/A ft No Data Surface Sleeve Installed No Data No Data 147 ft Not Reported No Data 147 ft Not Reported No Data No Data P O Box 213	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Packers: Typepump: Welltests: Watertype: Chemicalma: Companynam: Ccitystate:	73990 No Data ,TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004 No Data Submersible No Data Fresh No B & L WATER WELL SERVICE INC Winnie , TX 77665
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Stratadept: Undesirabl: Companyadd: Licensenum:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data N/A ft No Data Surface Sleeve Installed No Data 147 ft Not Reported No Data 147 ft Not Reported No Data 0 Data 147 ft Not Reported No Data 147 ft Not Reported No Data 0 Data 147 ft Not Reported No Data 0 Data 147 ft Not Reported No Data 0 Data 147 ft Not Reported No Data 0 Data	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Packers: Typepump: Welltests: Watertype: Chemicalma: Companynam: Ccitystate: Wsignature:	73990 No Data Wharton No Data Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004 No Data Submersible No Data Fresh No B & L WATER WELL SERVICE INC Winnie , TX 77665 John E Bryson
Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Stratadept: Undesirabl: Companyadd:	163703 BALLARD EXPLORATION INC 1021 Main St Ste 2310, Houston , TX 77 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just 29 18 59 N 096 06 30 W No Data Rig Supply Not Reported Mud Rotary Not Reported From 0 ft to 10 ft with 10 (#sacks and main No Data No Data N/A ft No Data Surface Sleeve Installed No Data No Data 147 ft Not Reported No Data 147 ft Not Reported No Data No Data P O Box 213	Edr site i: Ownerwell: O02 SW from US 59, Wharton , County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: aterial) Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Packers: Typepump: Welltests: Watertype: Chemicalma: Companynam: Ccitystate:	73990 No Data ,TX Wharton No Data New Well Not Reported 7 1/4 in From Surface To 180 ft Straight Wall Not Reported No Data John E Bryson N/A ft No Data 50 ft. below land surface on 8/5/2004 No Data Submersible No Data Fresh No B & L WATER WELL SERVICE INC Winnie , TX 77665

Map ID Direction Distance			Detabase	
Elevation B23 East 1/2 - 1 Mile			Database	EDR ID Number
Higher				
Database:	Submitted Drillers Reports Database		Nava	\A/=!!
Well Rpt #: Proposed Use:	73990 Rig Supply	Well Type: Borehole Depth (ft):	New 180	vven
Injurious Water Quality:	Not Reported	Plugging Rpt #:		Reported
Submitted Date:	2006-01-12	Owner Name:	BALI	ARD EXPLORATION INC
Well #:	Not Reported	# Wells Drilled:	Not I	Reported
Elevation:	Not Reported	Type of Work:	New	Well
Work Type Desc:	Not Reported	Original Well Rpt Track		Reported
Proposed Use:	Rig Supply	Proposed Use Desc:		Reported
TCEQ Approved Plans:	Not Reported	PWS #:		Reported
Drill Start Date:	2004-08-04	Drill End Date:		-08-05
Seal Method: Dist to Septic/Other Contam:	Unknown N/A	Seal Method Desc:		Reported
Dist to Property Line:	N/A N/A	Distance to Septic Tank: Distance Verify Meth:		Reported Reported
Approved by Variance:	Not Reported	Sealed by Driller:	Yes	reported
Sealed by Name:	Not Reported	Surface Completion:		ace Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:		Reported
Pump Type:	Submersible	Pump Type Desc:	Not I	Reported
Pump Depth:	147.00	Chemical Analysis:	No	
Injurious Water:	Not Reported	Company Name:		_ WATER WELL SERVICE INC
Driller Name:	John Bryson	Comments:	LCS	
Plugged within 48 hrs:	No	Plugging Rpt Tracking #		Reported
Driller License #:	1315	Apprentice Reg #:	Not I	Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7.25 180	
Details Reports For:	Well Drilling Method	Drill Method:	Mud	(Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Strai	ght Wall
Details Reports For:	Well Seal Range	Top Depth:	0	
Bottom Depth:	10	Annular Seal:	10	
Amount:	Not Reported	Unit:	Not F	Reported
Details Reports For:	Well Levels	Measurement:	50	
Measurement Date: Measurement Method:	2004-08-05 Unknown	Artesian Flow:	Not I	Reported
measurement method.	Unknown			
Details Reports For:	Well Strata	Migrated Strata Depth:	Not I	Reported
Top Depth:	Not Reported	Bottom Depth:		Reported
Water Type:	Fresh			
Details Reports For:	Well Lithology	Migrated Sort #:	0	
Top Depth:	0	Bottom Depth:	31	
Lithology:	Clay			

Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	31	Bottom Depth:	42
Lithology:	Sand & Mix Gravel	-	
_			
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	42	Bottom Depth:	160
Lithology:	Clay		
Dataile Paparte For	Wall Lithology	Migrotod Cort #-	0
Details Reports For: Top Depth:	Well Lithology 160	Migrated Sort #: Bottom Depth:	180
Lithology:	Sand	Воцот Deptri.	100
Littiology.	Salia		
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4 New Plastic 0 160 Sch 40	•	•
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4 New Plastic Slotted 160 180 016		
Diameter:	Not Reported	Casing Status:	Not Reported
		Casing Type:	Not Reported
Casing Material:	Not Reported	oasing rype.	
Casing Material: Schedule:	Not Reported Not Reported	Gauge:	Not Reported
Schedule: IW 2 - 1 Mile		Gauge:	Not Reported
Schedule:		Gauge:	
Schedule: IW - 1 Mile gher Database:	Not Reported	Gauge: TX V	
Schedule: IW - 1 Mile gher Database: Well Rpt #:	Not Reported	Gauge: TX V (Monitoring) Well Type:	VELLS TXMON5000292126
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use:	Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft):	VELLS TXMON5000292126 New Well 270
Schedule: IW - 1 Mile gher Database: Well Rpt #:	Not Reported Submitted Drillers Reports Database 296214	Gauge: TX V (Monitoring) Well Type:	VELLS TXMON5000292126
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Not Reported Submitted Drillers Reports Database 296214 Domestic no	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	VELLS TXMON5000292126 New Well 270 Not Reported
Schedule: - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT
Schedule: <b>IW</b> <b>- 1 Mile</b> gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Not Reported Domestic	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported Not Reported
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported Domestic Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported Not Reported Not Reported
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported Domestic Not Reported 2012-08-21	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported Not Reported Not Reported 2012-08-21
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported Not Reported 2012-08-21 TREMMIE
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported Not Reported 2012-08-21 TREMMIE Not Reported
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported 2012-08-21 TREMMIE Not Reported ESTIMATED
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller:	WELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported 2012-08-21 TREMMIE Not Reported ESTIMATED Yes
Schedule: W - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS Not Reported Not Reported Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion:	NELLS       TXMON5000292126         New Well       270         Not Reported       Not Reported         Not Reported       Sufficient of the second of the secon
Schedule: W 2 - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS Not Reported Not Reported	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller:	NELLS       TXMON5000292126         New Well       270         Not Reported       Not Reported         Not Reported       Sufface Sleeve Installed         Not Reported       Not Reported         Not Reported       Sufface Sleeve Installed
Schedule: W 2 - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Submersible	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported 2012-08-21 TREMMIE Not Reported ESTIMATED Yes Surface Sleeve Installed Not Reported Not Reported
Schedule: W 2 - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS Not Reported Not Reported Submersible 120.00	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis:	WELLS       TXMON5000292126         New Well       270         Not Reported       Not Reported         Not Reported       Not Reported         Not Reported       Not Reported         Not Reported       Not Reported         Not Reported       Surface Sleeve Installed         Not Reported       Not Reported         Not Reported       Not Reported         Not Reported       Not Reported         Not Reported       Surface Sleeve Installed         Not Reported       Not Reported
Schedule: W 2 - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS Not Reported Not Reported No	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name:	VELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported Not Reported Not Reported Not Reported 2012-08-21 TREMMIE Not Reported ESTIMATED Yes Surface Sleeve Installed Not Reported Not Reported
Schedule: W 2 - 1 Mile gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth:	Not Reported Submitted Drillers Reports Database 296214 Domestic no 2012-08-22 Not Reported Not Reported Not Reported Domestic Not Reported 2012-08-21 Other - TREMMIE NO SEWER 100 PLUS Not Reported Not Reported Submersible 120.00	Gauge: (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis:	NELLS TXMON5000292126 New Well 270 Not Reported NILSON, ROBERT Not Reported New Well Not Reported Not Reported Not Reported 2012-08-21 TREMMIE Not Reported ESTIMATED Yes Surface Sleeve Installed Not Reported Not Reported

Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7 270
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 100 Not Reported	Top Depth: Annular Seal: Unit:	0 12 Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2012-08-21 Unknown	Measurement: Artesian Flow:	64 Not Reported
Details Reports For: Packers:	Well Packers RUBBER SHALE 252-232-100	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers WASH VALVE 262	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 80 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported FRESH	Migrated Strata Depth: Bottom Depth:	238-265 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 SURFACE SOIL	Migrated Sort #: Bottom Depth:	0 54
Details Reports For: Top Depth: Lithology:	Well Lithology 54 SAND	Migrated Sort #: Bottom Depth:	0 65
Details Reports For: Top Depth: Lithology:	Well Lithology 65 CLAY	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 SAND	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 CLAY	Migrated Sort #: Bottom Depth:	0 160

Details Reports For: Top Depth: Lithology:	Well Lithology 160 SAND	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Lithology:	Well Lithology 200 CLAY	Migrated Sort #: Bottom Depth:	0 210
Details Reports For: Top Depth: Lithology:	Well Lithology 210 SAND	Migrated Sort #: Bottom Depth:	0 220
Details Reports For: Top Depth: Lithology:	Well Lithology 220 CLAY	Migrated Sort #: Bottom Depth:	0 240
Details Reports For: Top Depth: Lithology:	Well Lithology 240 SAND	Migrated Sort #: Bottom Depth:	0 270
Details Reports For: Top Depth: Lithology:	Well Lithology 270 CLAY TD	Migrated Sort #: Bottom Depth:	0 270
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 NEW PVC SCH 40 WELL CASING Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: +2 - 252 Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 NEW PVC SCH 40 WELL SCREEN Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: V 252 - 262 .008 Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 NEW PVC SCH 40 TAIL PIPE 262 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: - 270 TD Casing Status: Casing Type: Gauge:	3 Not Reported Not Reported Not Reported Not Reported

25 ENE 1/2 - 1 Mile Higher

Database: Well Rpt #:

Submitted Drillers Reports Database (Monitoring) 258488 Well Type:

#### TX WELLS TXMON5000254865

New Well

Proposed Use: Injurious Water Quality:	Domestic no	Borehole Depth (ft): Plugging Rpt #:	195 Not Reported
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2011-06-30 20 Not Reported Not Reported Domestic Not Reported 2010-07-26 Pressure 50+ 100+ Not Reported Ondrey Water Well Not Reported Submersible Not Reported Submersible Not Reported No Robert L Ondrey No 2131	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Garza, Richard & Josie Not Reported New Well Not Reported Not Reported 2010-07-27 Not Reported Not Reported Septic not installed yet. No Surface Sleeve Installed Not Reported Not Reported Not Reported No Ondrey Water Well Service AEO Not Reported Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth:	Well Bore Hole 180	Diameter: Bottom Depth:	3.875 200
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7.75 180
Details Reports For:	Well Drilling Method	Drill Method:	Jetted
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 180 Not Reported	Top Depth: Annular Seal: Unit:	0 16 Cement Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2010-07-27 Unknown	Measurement: Artesian Flow:	39 Not Reported
Details Reports For: Packers: Depth:	Well Packers 2 1/2" x 4" RXL K-Packer 167' Not Reported	Migrated Sort #:	1
Details Reports For: Yield: Hours:	Well Test Not Reported Not Reported	Test Type: Drawdown:	Jetted Not Reported

Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Good	Migrated Strata Depth: Bottom Depth:	15 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 topsoil	Migrated Sort #: Bottom Depth:	0 1
Details Reports For: Top Depth: Lithology:	Well Lithology 1 sand	Migrated Sort #: Bottom Depth:	0 5
Details Reports For: Top Depth: Lithology:	Well Lithology 5 clay	Migrated Sort #: Bottom Depth:	0 15
Details Reports For: Top Depth: Lithology:	Well Lithology 15 sand	Migrated Sort #: Bottom Depth:	0 75
Details Reports For: Top Depth: Lithology:	Well Lithology 75 clay	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 sand	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 clay	Migrated Sort #: Bottom Depth:	0 150
Details Reports For: Top Depth: Lithology:	Well Lithology 150 sand	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 clay	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 sand	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Migrated Casing Info: Diameter:	Well Casing Not Reported 4" N PVC Casing 0'-180' Sch 40 Not Reported	Migrated Sort #: Bottom Depth: Casing Status:	1 Not Reported Not Reported
Casing Material: Schedule:	Not Reported Not Reported	Casing Type: Gauge:	Not Reported Not Reported

Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	2 1/2" N PVC Casing 167'-185' Sch 4	0	
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
		-	
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	2 1/2" N 10' Plastic Screen 185'-195'	8 Gage	
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
26 NW /2 - 1 Mile		т	X WELLS TXMON500014577
ligher	Cultura itte d Deillere Departs Database	(Maritarian)	
Database:	Submitted Drillers Reports Database		N
Well Rpt #:	148170	Well Type:	New Well
Proposed Use:	Domestic	Borehole Depth (ft):	285
Injurious Water Quality:	no	Plugging Rpt #:	Not Reported
Submitted Date:	2008-07-31	Owner Name:	Sherland, Paul
Well #:	Not Reported	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
	•		
Proposed Use:	Domestic Not Demonstration	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2008-03-31	Drill End Date:	2008-04-02
Seal Method:	Pressure	Seal Method Desc:	Not Reported
Dist to Septic/Other Contam:	No Septic	Distance to Septic Tank:	Not Reported
Dist to Property Line:	150	Distance Verify Meth:	Estimated
Approved by Variance:	Not Reported	Sealed by Driller:	No
Sealed by Name:	Mesecke	Surface Completion:	Surface Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Submersible	Pump Type Desc:	Not Reported
Pump Depth:	160.00	Chemical Analysis:	No
Injurious Water:	No	Company Name:	Mesecke Water Wells
Driller Name:		Company Name: Comments:	
	Alton Otto Mesecke		^EO
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	2032	Apprentice Reg #:	Not Reported
Details Reports For:	Well Bore Hole	Diameter:	7
Top Depth:	0	Bottom Depth:	240
Details Reports For:	Well Bore Hole	Diameter:	3.875
Top Depth:	240	Bottom Depth:	290
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary

Details Reports For:

Well Completion

TC5631236.2s Page A-47

Under-reamed

Borehole Completion:

Details Reports For: Bottom Depth: Amount:	Well Seal Range 3 Not Reported	Top Depth: Annular Seal: Unit:	0 3 Readimix Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 240 Not Reported	Top Depth: Annular Seal: Unit:	3 14 Portland Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2008-04-05 Unknown	Measurement: Artesian Flow:	45 Not Reported
Details Reports For: Packers:	Well Packers Cement 0'-240'	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Yield: Hours:	Well Test 18 Not Reported	Test Type: Drawdown:	Pump Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Good	Migrated Strata Depth: Bottom Depth:	235-285 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 red topsoil	Migrated Sort #: Bottom Depth:	0 3
Details Reports For: Top Depth: Lithology:	Well Lithology 3 red clay	Migrated Sort #: Bottom Depth:	0 15
Details Reports For: Top Depth: Lithology:	Well Lithology 15 sand	Migrated Sort #: Bottom Depth:	0 42
Details Reports For: Top Depth: Lithology:	Well Lithology 42 red clay	Migrated Sort #: Bottom Depth:	0 65
Details Reports For: Top Depth: Lithology:	Well Lithology 65 gravel	Migrated Sort #: Bottom Depth:	0 100
Details Reports For: Top Depth: Lithology:	Well Lithology 100 red clay	Migrated Sort #: Bottom Depth:	0 150
Details Reports For: Top Depth: Lithology:	Well Lithology 150 sand	Migrated Sort #: Bottom Depth:	0 170

Details Reports For: Top Depth: Lithology:	Well Lithology 170 red clay	Migrated Sort #: Bottom Depth:	0 190
Details Reports For: Top Depth: Lithology:	Well Lithology 190 sand	Migrated Sort #: Bottom Depth:	0 220
Details Reports For: Top Depth: Lithology:	Well Lithology 220 red clay	Migrated Sort #: Bottom Depth:	0 240
Details Reports For: Top Depth: Lithology:	Well Lithology 240 sand	Migrated Sort #: Bottom Depth:	0 290
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4" N PVC 0'-240' Sch 40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 1/2" N PVC 230'-275' Sch 40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 1/2" N Plastic Slot 275'-285' Sch 80 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: 0.008 Casing Status: Casing Type: Gauge:	3 Not Reported Not Reported Not Reported Not Reported

#### C27 NNW 1/2 - 1 Mile Higher

Database: Well Report Database Fid: 163419 Rec id: Edr site i: Owner: Sherland, Paul Ownerwell: Address: 512 Mocking Bird Ln., Wharton , TX Grid: CR 235, Wharton, TX Waddress: Lat: County: Wharton Long: Elevation: No Data Gpsused: Typeofwork: New Well Propuse: Completedd: Sdate: Not Reported 7 in From Surface To 240 ft Dmethod: Diameter: Bcompletio: Underreamed Packedfrom: Packsize: Not Reported

TX WELLS TXDOL2000163423

163422 148170 No Data 66-47-6 29 19 45 N 096 07 31 W Not Given Domestic Not Reported Mud Rotary Not Reported

Finterval:	From 3 ft to 240 ft with 14 Portland (#sacks			
Sinterval:	From 0 ft to 3 ft with 3 Readimix (#sacks a	,	Dressure	
Tinterval:	No Data Mesecke	Usedmethod: Contaminat:	Pressure	
Cementedby: Propertyli:	150 ft	Verrimetho:	No Septic ft Estimated	
Varriance:	No Data	Surface:	Surface Slee	we lootelled
	45 ft, below land surface on 4/5/2008	Sunace.	Surface Siee	eve installed
Staticleve: Flow:	No Data	Packers:	Cement 0-24	10
Cementinwe: Pumpbowl: Yield: Watertype: Chemicalma:	No Data	Typepump:	Submersible	
	160 ft	Welltests:	Pump	
	18 GPM with (No Data) ft drawdown after (		005 005 4	
	Good	Stratadept:	235-285 ft.	
	No	Undesirabl:	No	
Companynam:	Mesecke Water Wells	Companyadd:	8102 Leroy F	≺α.
Ccitystate:	Richmond , TX 77469	Licensenum:	2032	
Wsignature:	Alton Mesecke	Dsignature:	No Data	
Regnum:	No Data	Comments:	^EO	
Site id:	TXDOL2000163423			
D28 NNE 1/2 - 1 Mile Histor			TX WELLS	TXEQ60000023296
Higher				
Database: PWS ID:	Public Water Supply Sources Databases 2410005	Water Source:	G2410005D	
Locating Agency:	TCEQ	Elevation:	106	
D29 NNE 1/2 - 1 Mile Higher			TX WELLS	TXWDB7000112443
Database: Primary Water Use: Well Depth: Water Quality Review: Well Type:	Groundwater Database Public Supply 1196 Y Withdrawal of Water	Well #: Elevation: Observation Type: Aquifer:	6648407 106 None 112CEVG - (	Chicot and Evangeline Aquifers

Well Type:

Withdrawal of Water

Direction Distance			Database	EDR ID Number
1 SW 1/8 - 1/4 Mile			OIL_GAS	TXOG70000221042
Surface ID: Current Well #: Radioactive: Well Type:	192191 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	32263 424813226 Not Reporte	
2 SE 1/4 - 1/2 Mile			OIL_GAS	TXOG70000221045
Surface ID: Current Well #: Radioactive: Well Type:	192193 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	31849 424813184 Not Reporte	
3 South 1/4 - 1/2 Mile			OIL_GAS	TXOG70000221047
Surface ID: Current Well #: Radioactive: Well Type:	1110690 3 Not Reported Canceled Location	Well ID: API #: Side Track:	31867 424813186 Not Reporte	
4 SSW 1/4 - 1/2 Mile			OIL_GAS	TXOG70000221048
Surface ID: Current Well #: Radioactive: Well Type:	192192 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	31768 424813176 Not Reporte	
5 WSW 1/2 - 1 Mile			OIL_GAS	TXOG70000222356
Surface ID: Current Well #: Radioactive: Well Type:	192497 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	32064 424813206 Not Reporte	

Dirèction Distance			Database	EDR ID Number
6 WSW 1/2 - 1 Mile			OIL_GAS	TXOG70000222362
Surface ID: Current Well #: Radioactive: Well Type:	192496 5 Not Reported Gas Well	Well ID: API #: Side Track:	32052 4248132052 Not Reported	I
7 SW 1/2 - 1 Mile			OIL_GAS	TXOG70000222503
Surface ID: Current Well #: Radioactive: Well Type:	192373 2 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	31866 4248131866 Not Reported	1
} VNW /2 - 1 Mile			OIL_GAS	TXOG70000222344
Surface ID: Current Well #: Radioactive: Well Type:	192366 1 Not Reported Dry Hole	Well ID: API #: Side Track:	Not Reported 42481 Not Reported	
) Vest /2 - 1 Mile			OIL_GAS	TXOG70000222348
Surface ID: Current Well #: Radioactive: Well Type:	192498 1 Not Reported Dry Hole	Well ID: API #: Side Track:	33426 4248133426 Not Reported	I
10 NSW 1/2 - 1 Mile			OIL_GAS	TXOG70000222504
Surface ID: Current Well #: Radioactive: Well Type:	192494 4 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	31901 4248131901 Not Reported	1

Map ID Direction Distance			Database	EDR ID Number
1 NE //2 - 1 Mile			OIL_GAS	TXOG7000022103
Surface ID: Current Well #: Radioactive: Well Type:	192194 1 Not Reported Dry Hole	Well ID: API #: Side Track:	Not Report 42481 Not Report	
2 NE /2 - 1 Mile			OIL_GAS	TXOG70000221029
Surface ID: Current Well #: Radioactive: Well Type:	192314 1 Not Reported Dry Hole	Well ID: API #: Side Track:	33378 424813337 Not Report	
3 SW /2 - 1 Mile			OIL_GAS	TXOG70000222517
Surface ID: Current Well #: Radioactive: Well Type:	192372 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	32392 424813239 Not Report	
4 VSW /2 - 1 Mile			OIL_GAS	TXOG7000022236
Surface ID: Current Well #: Radioactive: Well Type:	192367 A2 Not Reported Dry Hole	Well ID: API #: Side Track:	01074 424810107 Not Report	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

State Database: TX Radon

Radon Test Results

County	Mean	Total Sites	%>4 pCi/L	%>20 pCi/L	Min pCi/L	Max pCi/L
WHARTON	<.5	4	.0	.0	<.5	1.9

### Federal EPA Radon Zone for WHARTON County: 3

Note: Zone 1 indoor average level > 4 pCi/L. : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L. : Zone 3 indoor average level < 2 pCi/L.

#### Federal Area Radon Information for WHARTON COUNTY, TX

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water Supply Sources Databases Source: Texas Commission on Environmental Quality Telephone: 512-239-6199 Locations of public drinking water sources maintained by the TCEQ.

Groundwater Database Source: Texas Water Development Board Telephone: 512-936-0837

Well Report Database Source: Department of Licensing and Regulation Telephone: 512-936-0833

Water Well Database Source: Harris-Galveston Coastal Subsidence District Telephone: 281-486-1105

Brackish Resources Aquifer Characterization System Database

Source: Texas Water Development Board

WDB's Brackish Resources Aquifer Characterization System (BRACS) was designed to map and characterize the brackish aquifers of Texas in greater detail than previous studies. The information is contained in the BRACS Database and project data are summarized in a project report with companion geographic information system data files.

Submitted Driller's Reports Database

Source: Texas Water Development Board

Telephone: 512-936-0833

The Submitted Driller's Report Database is populated from the online Texas Well Report Submission and Retrieval System which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports.

#### OTHER STATE DATABASE INFORMATION

Texas Oil and Gas Wells Source: Texas Railroad Commission Telephone: 512-463-6882 Oil and gas well locations.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### RADON

State Database: TX Radon Source: Department of Health Telephone: 512-834-6688 Rinal Report of the Texas Indoor Radon Survey

Area Radon Information Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

#### STREET AND ADDRESS INFORMATION

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# Wharton 1

Unknown Wharton, TX 77488

Inquiry Number: 5631236.8 April 26, 2019

# The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

# EDR Aerial Photo Decade Package

### Site Name:

### Client Name:

Wharton 1 Unknown Wharton, TX 77488 EDR Inquiry # 5631236.8 U.S. Army Corps of Engineers 819 Taylor Street Fort Worth, TX 76102-0300 Contact: David Clark



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search	Results:			
Year	Scale	Details	Source	
2016	1"=500'	Flight Year: 2016	USDA/NAIP	
2012	1"=500'	Flight Year: 2012	USDA/NAIP	
2008	1"=500'	Flight Year: 2008	USDA/NAIP	
2005	1"=500'	Flight Year: 2005	USDA/NAIP	
1995	1"=500'	Acquisition Date: February 04, 1995	USGS/DOQQ	
1981	1"=500'	Flight Date: January 01, 1981	USGS	
1972	1"=500'	Flight Date: January 01, 1972	ASCS	
1962	1"=500'	Flight Date: January 01, 1962	ASCS	
1956	1"=500'	Flight Date: January 01, 1956	ASCS	
1953	1"=500'	Flight Date: January 01, 1953	USGS	

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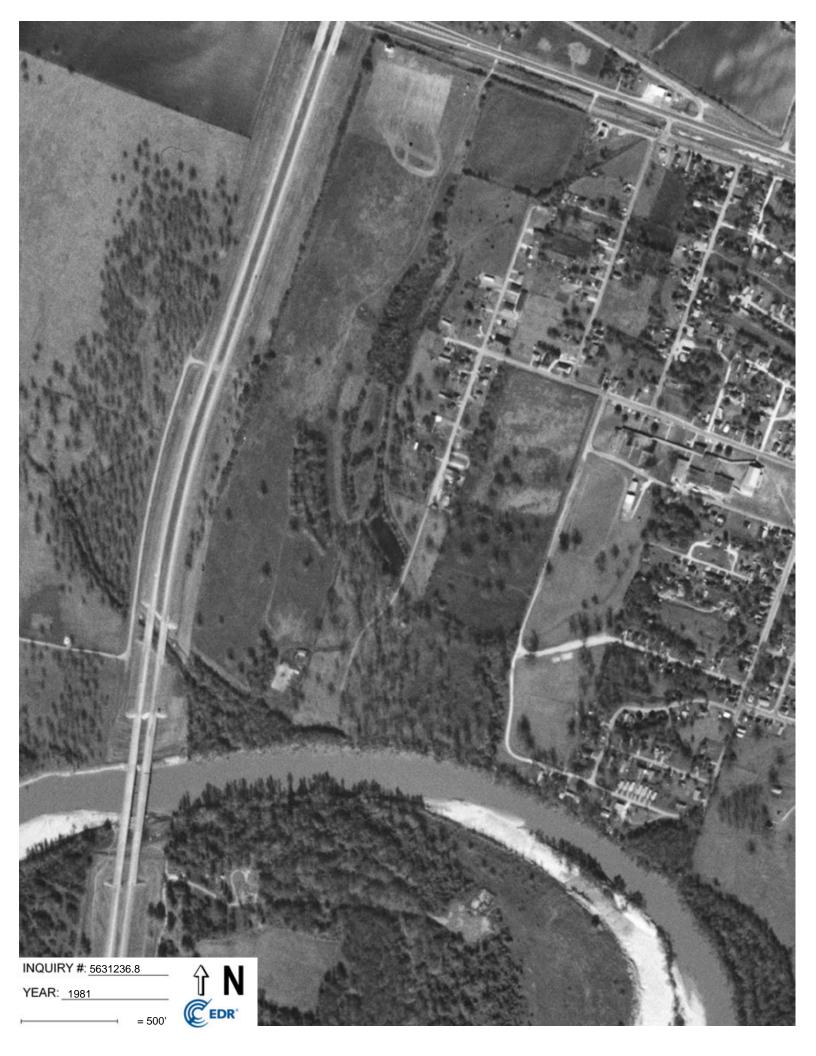


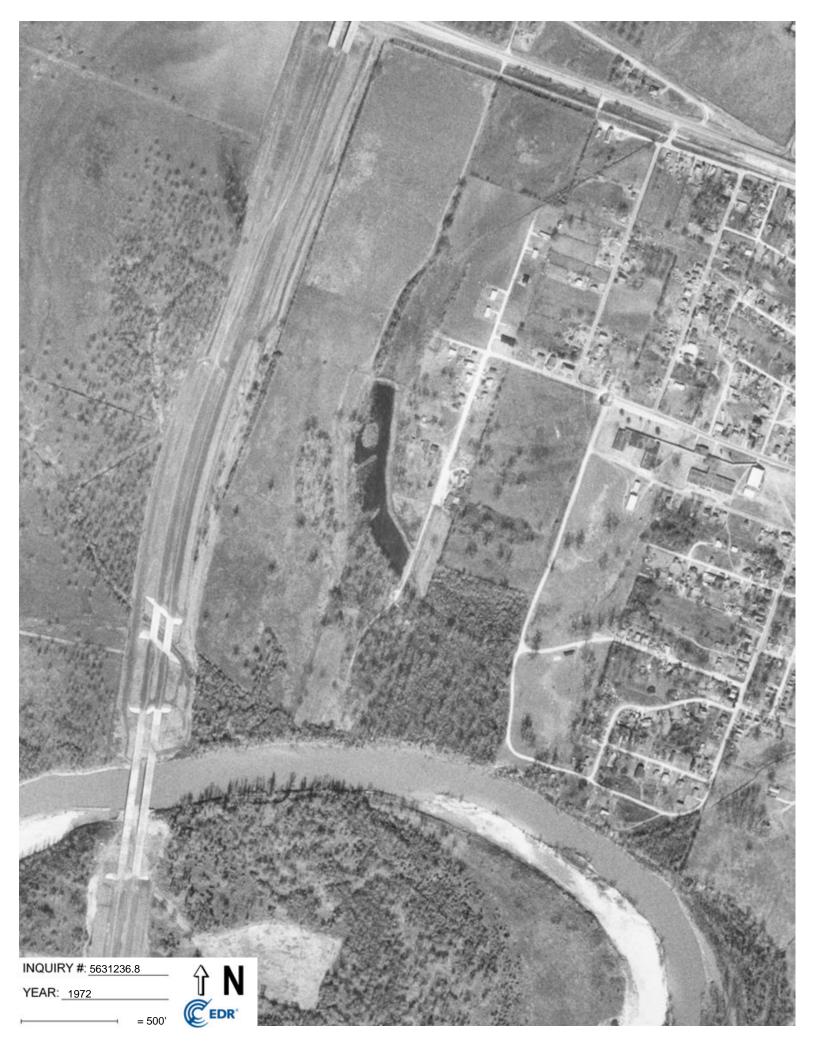


















Wharton 1 Unknown Wharton, TX 77488

Inquiry Number: 5631236.4 April 24, 2019

# EDR Historical Topo Map Report with QuadMatch™



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

EDR Historical To	04/24/19	
Site Name:	Client Name:	

Wharton 1 Unknown Wharton, TX 77488 EDR Inquiry # 5631236.4 U.S. Army Corps of Engineers 819 Taylor Street Fort Worth, TX 76102-0300 Contact: David Clark



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by U.S. Army Corps of Engineers were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Res	ults:	Coordinates:	
P.O.#	NA	Latitude:	29.317795 29° 19' 4" North
Project:	NA	Longitude:	-96.120167 -96° 7' 13" West
-		UTM Zone:	Zone 14 North
		UTM X Meters:	779695.00
		UTM Y Meters:	3246639.08
		Elevation:	99.00' above sea level
Maps Provid	led:		
2013			

1980 1953

1929

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## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2013 Source Sheets





7.5-minute, 24000

2013

Glen Flora 2013 7.5-minute, 24000





Glen Flora 1980 7.5-minute, 24000 Aerial Photo Revised 1977

#### **1953 Source Sheets**



Wharton 1953 7.5-minute, 24000 Aerial Photo Revised 1951

#### **1929 Source Sheets**



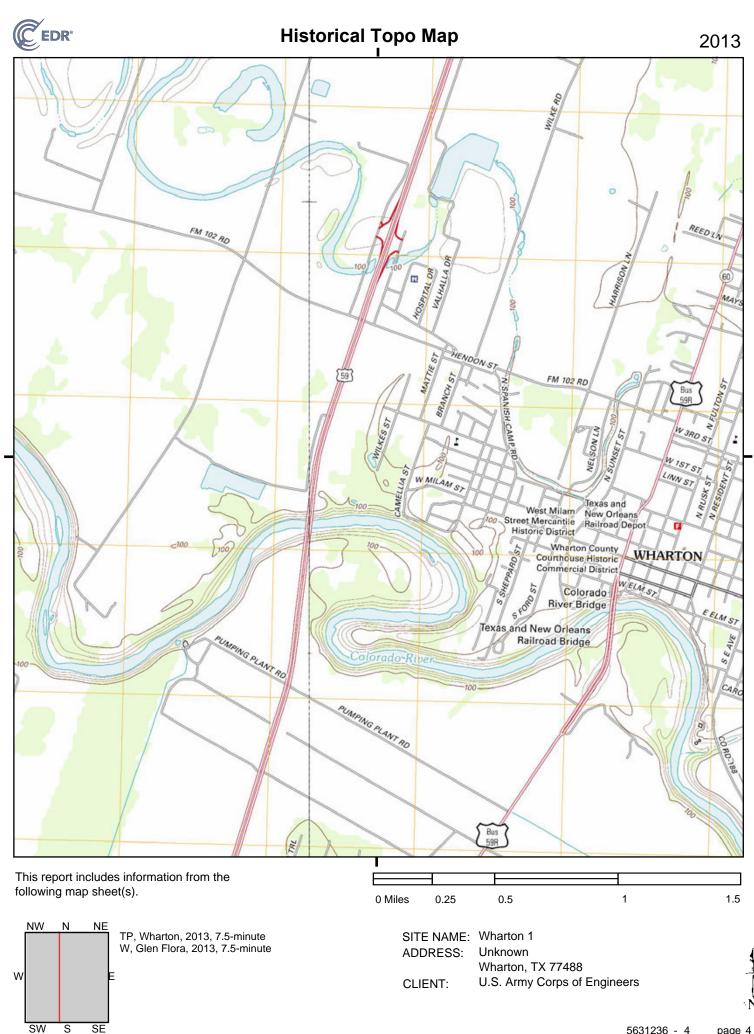
WHARTON 1929 30-minute, 125000



Wharton 1980 7.5-minute, 24000 Aerial Photo Revised 1977



Glen Flora 1953 7.5-minute, 24000 Aerial Photo Revised 1951



<sup>5631236 - 4</sup> page 4

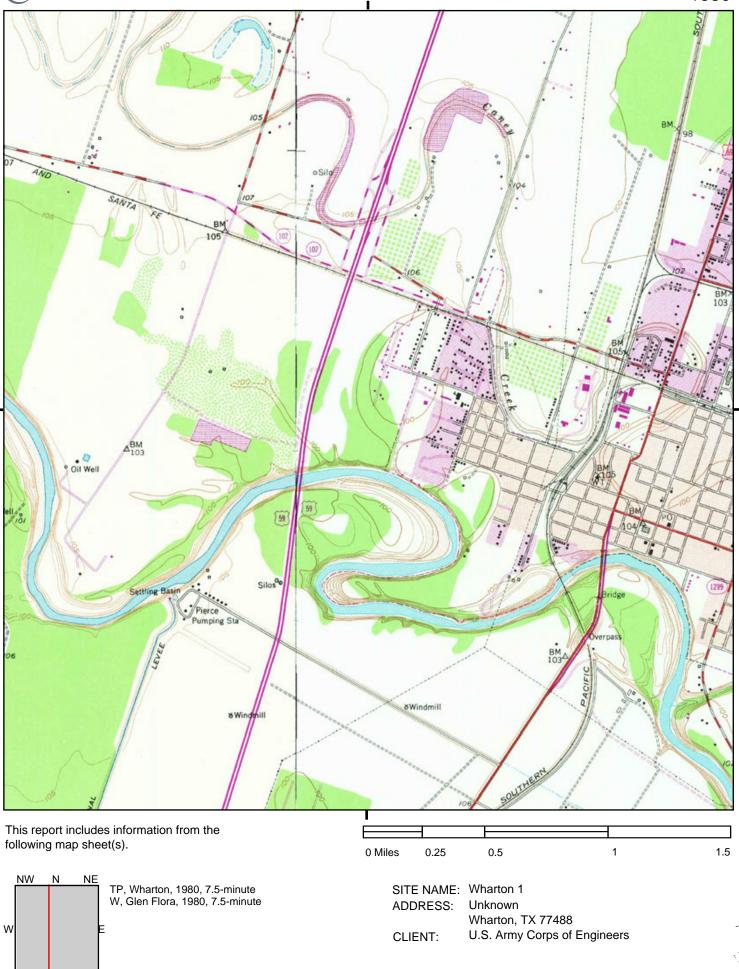


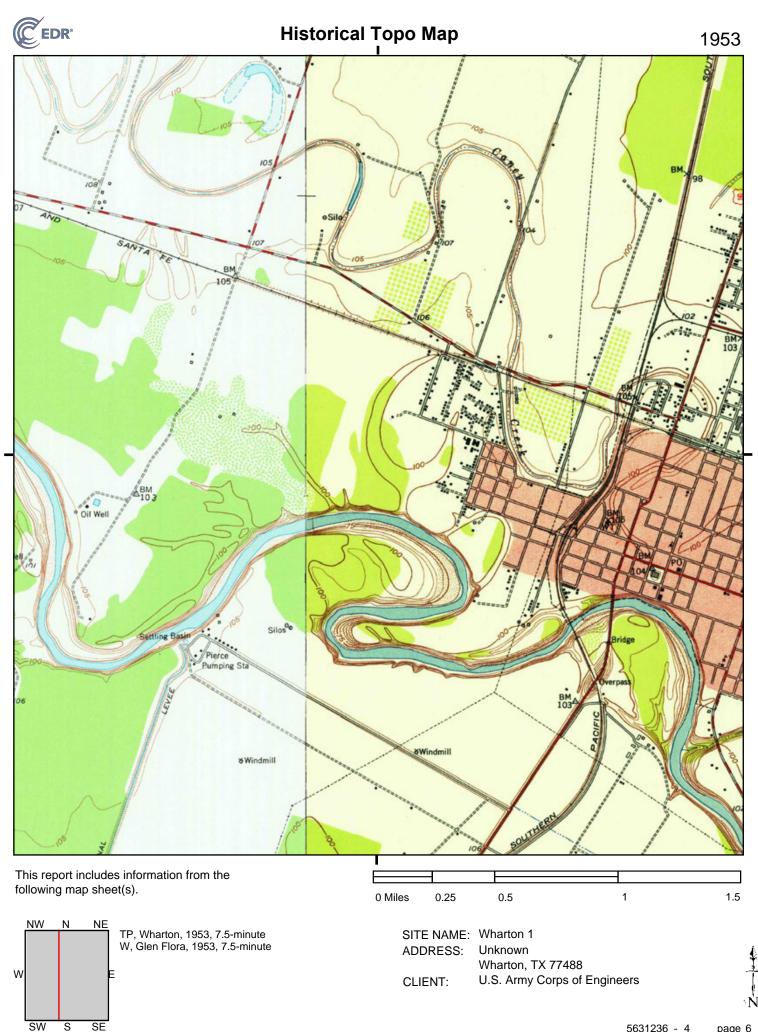
SW

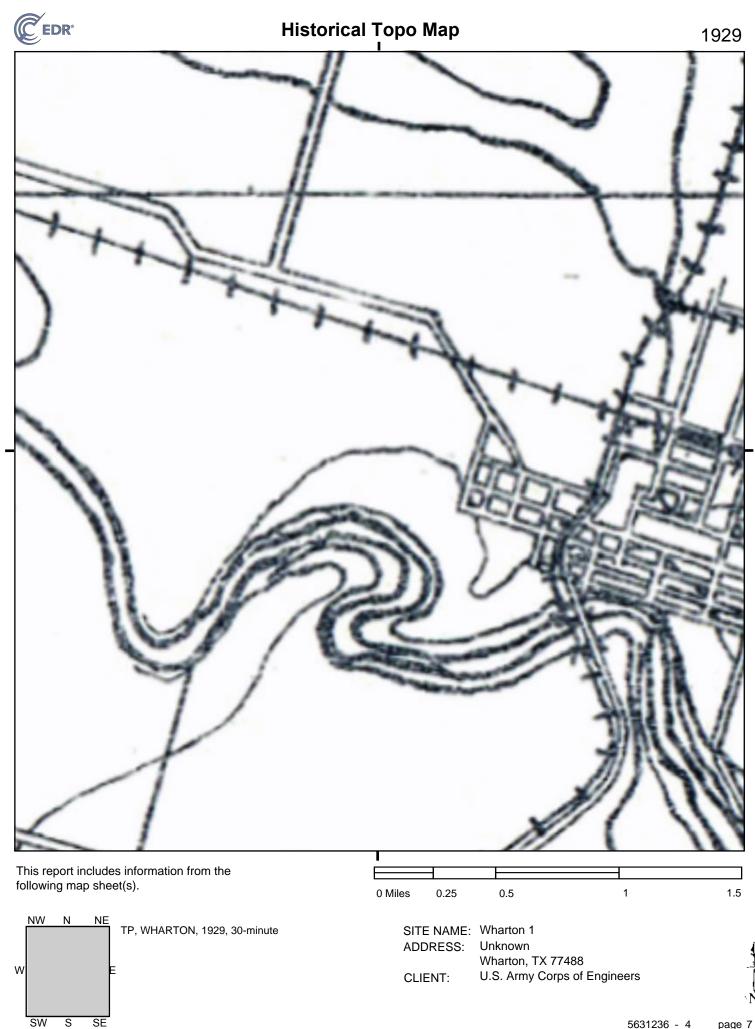
S

SE

# **Historical Topo Map**







5631236 - 4 page 7

# Wharton 2

Unknown Wharton, TX 77488

Inquiry Number: 5631236.11s April 24, 2019

# The EDR Radius Map<sup>™</sup> Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

FORM-LBC-GXH

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*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### ADDRESS

UNKNOWN WHARTON, TX 77488

#### COORDINATES

Latitude (North):	29.3075810 - 29° 18' 27.29"
Longitude (West):	96.1016720 - 96° 6' 6.01"
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	781525.8
UTM Y (Meters):	3245374.0
Elevation:	100 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: Version Date: 5937251 WHARTON, TX 2013

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: Source: 20140813 USDA

### Target Property Address: UNKNOWN WHARTON, TX 77488

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CITY PARK AT RIVER	INTERSECTION OF FULT	CLI	Lower	581, 0.110, NNE
2	CITY PARK @ RIVER		CLI	Lower	822, 0.156, SSE
A3	CITY HALL WHARTON	101 W BURLESON ST	LPST, UST	Higher	912, 0.173, NNE
A4	WHARTON COUNTY SHERI	100 E BURLESON ST	LPST, UST, Financial Assurance	Higher	915, 0.173, NNE
5	WHARTON COUNTY SHERI	315 E ELM ST	AST	Higher	1095, 0.207, ENE
6	WMI TRANSFER STATION		CLI	Higher	2036, 0.386, WSW
B7	FIRE DEPARTMENT	319 N FULTON ST	LPST, UST	Higher	2158, 0.409, NNE
B8	WALTER C HAYHURST SR	322 N FULTON ST	LPST, UST	Higher	2173, 0.412, NNE
9			CLI	Higher	2262, 0.428, WSW
C10	VON WIL FORD INC	316 N RICHMOND ROAD	LPST, UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	2400, 0.455, North
C11	MARTINEZ TIRE REPAIR	317 N RICHMOND RD	LPST	Higher	2426, 0.459, North
D12	NORTH RICHMOND ROAD	404 RICHMOND ROAD	US BROWNFIELDS, FINDS	Higher	2586, 0.490, North
D13	N RICHMOND RD PROPER	404 N RICHMOND RD	BROWNFIELDS	Higher	2586, 0.490, North
D14	N RICHMOND RD PROPER	404 N RICHMOND RD	BROWNFIELDS	Higher	2629, 0.498, North
D15	CASE WHOLESALE OIL	404 N RICHMOND RD	LPST, UST	Higher	2629, 0.498, North

#### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

#### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL	National Priority List
	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens

#### Federal Delisted NPL site list

Delisted NPL\_\_\_\_\_ National Priority List Deletions

#### Federal CERCLIS list

FEDERAL FACILITY\_\_\_\_\_\_ Federal Facility Site Information listing SEMS\_\_\_\_\_\_ Superfund Enterprise Management System

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE...... Superfund Enterprise Management System Archive

### Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### Federal RCRA generators list

RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator

#### Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
US ENG CONTROLS	Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

#### Federal ERNS list

ERNS\_\_\_\_\_ Emergency Response Notification System

#### State- and tribal - equivalent NPL

SHWS\_\_\_\_\_ State Superfund Registry

### State and tribal landfill and/or solid waste disposal site lists

 SWF/LF
 Permitted Solid Waste Facilities

 DEBRIS
 DEBRIS

 WASTE MGMT
 Commercial Hazardous & Solid Waste Management Facilities

### State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

#### State and tribal registered storage tank lists

FEMA UST...... Underground Storage Tank Listing INDIAN UST...... Underground Storage Tanks on Indian Land

#### State and tribal institutional control / engineering control registries

AUL\_\_\_\_\_ Sites with Controls

#### State and tribal voluntary cleanup sites

INDIAN VCP	Voluntary Cleanup Priority Listing
VCP	Voluntary Cleanup Program Database

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY	Recycling Facility Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

### Local Lists of Hazardous waste / Contaminated Sites

Delisted National Clandestine Laboratory Register
CDL
Dry Cleaner Remediation Program Prioritization List
Deleted Superfund Registry Sites
National Clandestine Laboratory Register
PFAS Contamination Site Location Listing

### Local Lists of Registered Storage Tanks

NON REGIST PST..... Petroleum Storage Tank Non Registered

### Local Land Records

HIST LIENS	Environmental Liens Listing
LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information

### Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS.	
	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

### Other Ascertainable Records

RCRA NonGen / NI R	. RCRA - Non Generators / No Longer Regulated
	Formerly Used Defense Sites
	Department of Defense Sites
SCRD DRYCLEANERS	. State Coalition for Remediation of Drycleaners Listing
	. Financial Assurance Information
EPA WATCH LIST	
	. 2020 Corrective Action Program List
TSCA	_ Toxic Substances Control Act
	_ Toxic Chemical Release Inventory System
	Section 7 Tracking Systems
ROD	
RMP	
	RCRA Administrative Action Tracking System
	Potentially Responsible Parties
	PCB Activity Database System
	Integrated Compliance Information System
	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
MLTS	_ Material Licensing Tracking System
	. Steam-Electric Plant Operation Data
	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
	Formerly Utilized Sites Remedial Action Program
UMTRA	
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	
ABANDONED MINES	_ Abandoned Mines
FINDS	. Facility Index System/Facility Registry System
	. Unexploded Ordnance Sites
DOCKET HWC	- Hazardous Waste Compliance Docket Listing
ECHO	- Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
	_ Current Emission Inventory Data
	-

LEAD       LEAD         Ind. Haz Waste       Industrial & Hazardous Waste Database         MSD       Municipal Settings Designations Database         NPDES       NPDES Facility List         RWS       Radioactive Waste Sites         TIER 2       Tier 2 Chemical Inventory Reports         UIC       Underground Injection Wells Database Listing         IHW CORR ACTION       IHW CORR ACTION         PST STAGE 2       PST Stage 2         COMP HIST       Compliance History Listing
--

#### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
	_ EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	. EDR Exclusive Historical Cleaners

#### EDR RECOVERED GOVERNMENT ARCHIVES

#### **Exclusive Recovered Govt. Archives**

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF	Recovered Government Archive Solid Waste Facilities List

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### State and tribal landfill and/or solid waste disposal site lists

CLI: Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas. For current information regarding any of the sites included in this database, contact the appropriate Council of Governments agency.

A review of the CLI list, as provided by EDR, has revealed that there are 4 CLI sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WMI TRANSFER STATION Database: CLI, Date of Governmer Date Closed: 1960	nt Version: 08/30/1999	WSW 1/4 - 1/2 (0.386 mi.)	6	23
Not reported Database: CLI, Date of Governmer Facility Id: 855 Permit Status: CT Last Date in Records Site Accepter		WSW 1/4 - 1/2 (0.428 mi.)	9	46
Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY PARK AT RIVER Database: H-GAC CLI, Date of Go	INTERSECTION OF FULT	NNE 0 - 1/8 (0.110 mi.)	1	8
Site Id: U1645	vernment version: 01/02/2019			

#### State and tribal leaking storage tank lists

LPST: The Leaking Petroleum Storage Tank Incident Reports contain an inventory of reported leaking petroleum storage tank incidents. The data come from the Texas Commission on Environmental Quality's Leaking Petroleum Storage Tank Database.

A review of the LPST list, as provided by EDR, and dated 03/26/2019 has revealed that there are 7 LPST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY HALL WHARTON LPST Id: 99292 CA Status: 6A - FINAL CONCURR	101 W BURLESON ST ENCE ISSUED	NNE 1/8 - 1/4 (0.173 mi.)	A3	10
WHARTON COUNTY SHERI Status Code: FINAL CONCURREN LPST Id: 102525 CA Status: 6A - FINAL CONCURR Facility ID: 0010097		NNE 1/8 - 1/4 (0.173 mi.)	A4	15
FIRE DEPARTMENT	319 N FULTON ST	NNE 1/4 - 1/2 (0.409 mi.)	B7	24

Status Code: FINAL CONCURRENCE IS LPST Id: 105347 CA Status: 6A - FINAL CONCURRENCE Facility ID: 0047964				
WALTER C HAYHURST SR LPST Id: 98174 CA Status: 6A - FINAL CONCURRENCE	322 N FULTON ST	NNE 1/4 - 1/2 (0.412 mi.)	B8	34
VON WIL FORD INC Status Code: FINAL CONCURRENCE IS LPST Id: 105346 CA Status: 6A - FINAL CONCURRENCE Facility ID: 0025312		N 1/4 - 1/2 (0.455 mi.)	C10	47
MARTINEZ TIRE REPAIR LPST Id: 120283 CA Status: 6A - FINAL CONCURRENCE	317 N RICHMOND RD	N 1/4 - 1/2 (0.459 mi.)	C11	55
CASE WHOLESALE OIL Status Code: FINAL CONCURRENCE IS LPST Id: 113424 CA Status: 6A - FINAL CONCURRENCE Facility ID: 0011586		N 1/4 - 1/2 (0.498 mi.)	D15	62

#### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Texas Commission on Environmental Quality's Petroleum Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 03/04/2019 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<i>CITY HALL WHARTON</i> Facility Status: INACTIVE Facility Id: 47961 Facility Num: 79271 Al Number: 584151152002156	101 W BURLESON ST	NNE 1/8 - 1/4 (0.173 mi.)	А3	10
WHARTON COUNTY SHERI Facility Status: INACTIVE Facility Id: 10097 Facility Num: 49585 Al Number: 948062712002153	100 E BURLESON ST	NNE 1/8 - 1/4 (0.173 mi.)	A4	15

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Texas Commission on Environmental Quality's Petroleum Storage Tank Database.

A review of the AST list, as provided by EDR, and dated 03/04/2019 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WHARTON COUNTY SHERI	315 E ELM ST	ENE 1/8 - 1/4 (0.207 mi.)	5	21

Facility Id: 115510 Facility Id: 513642332003100 Facility Id: 75415 Facility Status: ACTIVE

#### State and tribal Brownfields sites

BROWNFIELDS: Brownfield site assessments that are being cleaned under EPA grant monies.

A review of the BROWNFIELDS list, as provided by EDR, and dated 12/04/2018 has revealed that there are 2 BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
N RICHMOND RD PROPER BF Grant Number: G138	404 N RICHMOND RD	N 1/4 - 1/2 (0.490 mi.)	D13	61
N RICHMOND RD PROPER BF Grant Number: G044	404 N RICHMOND RD	N 1/4 - 1/2 (0.498 mi.)	D14	62

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

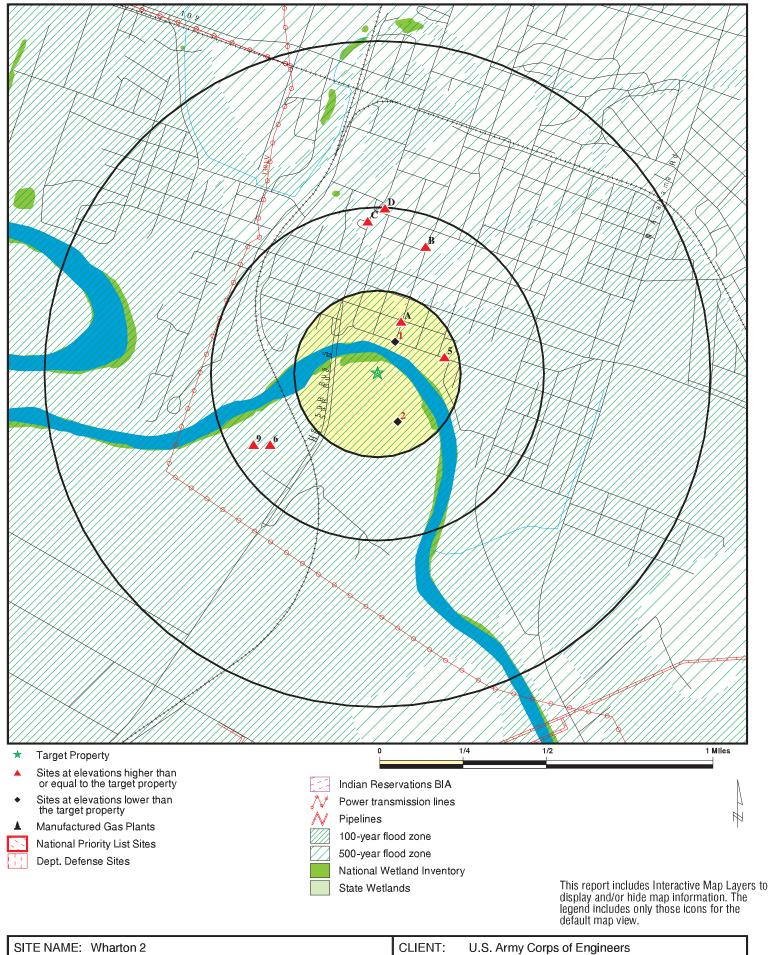
US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/17/2018 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH RICHMOND ROAD ACRES property ID: 10904	404 RICHMOND ROAD	N 1/4 - 1/2 (0.490 mi.)	D12	55

There were no unmapped sites in this report.

# **OVERVIEW MAP - 5631236.11S**



NQUIRY #: 5631236.11s	

CONTACT: David Clark

ADDRESS:

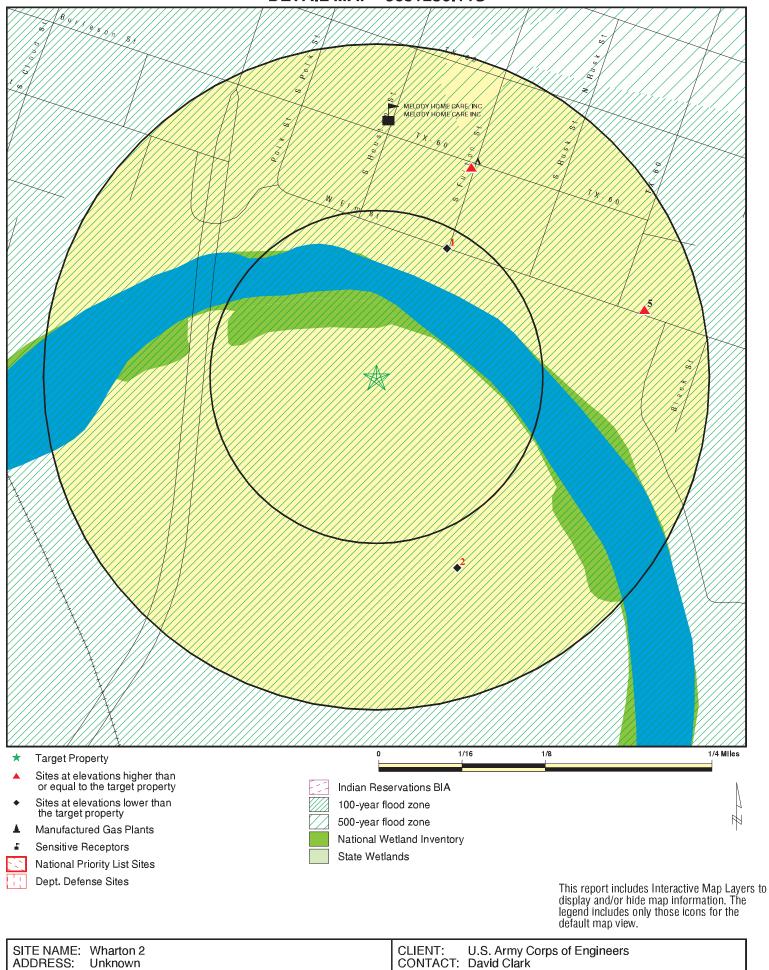
LAT/LONG:

Unknown

Wharton TX 77488

29.307581 / 96.101672

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Wharton TX 77488

29.307581/96.101672

LAT/LONG:

DATE: April 24, 2019 11:27 am

INQUIRY #: 5631236.11s

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Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	CTS facilities l	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RRACTS TSD I	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equive	alent NPL							
SHWS	1.000		0	0	0	0	NR	0
	State and tribal landfill and/or solid waste disposal site lists							
SWF/LF DEBRIS CLI WASTE MGMT	0.500 0.500 0.500 TP		0 0 1 NR	0 0 1 NR	0 0 2 NR	NR NR NR NR	NR NR NR NR	0 0 4 0
State and tribal leaking	storage tank l	lists						
INDIAN LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LPST	0.500		0	2	5	NR	NR	7
State and tribal registere	ed storage tai	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 2 1 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 2 1 0
State and tribal institution control / engineering control / engin		25						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntar	y cleanup sit	es						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS	0.500		0	0	2	NR	NR	2
ADDITIONAL ENVIRONMEN	NTAL RECORD	s						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL PRIORITYCLEANERS DEL SHWS US CDL PFAS	TP TP 0.500 1.000 TP TP		NR NR 0 NR NR	NR 0 0 NR NR	NR 0 0 NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Registere	Local Lists of Registered Storage Tanks							
NON REGIST PST	0.250		0	0	NR	NR	NR	0
Local Land Records								
HIST LIENS LIENS LIENS 2	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Records of Emergency I	Release Repo	orts						
HMIRS	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90 SPILLS 80	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST 2020 COR ACTION	TP 0.250		NR 0	NR 0	NR NR	NR NR	NR NR	0
TSCA	0.250 TP		NR	NR	NR	NR	NR	0 0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	Õ
ROD	1.000		0	0	0	0	NR	Ō
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS MLTS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NŘ	NŘ	NR	NR	NR	õ
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA LEAD SMELTERS	0.500 TP		0 NR	0 NR	0 NR	NR NR	NR NR	0 0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	Ő
ABANDONED MINES	0.250		0	0	NR	NR	NR	Ō
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS APAR	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	Ő	NR	NR	NR	Ö
ED AQUIF	TP		NR	NR	NR	NR	NR	Ő
ENF	TP		NR	NR	NR	NR	NR	Ō
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GCC	TP		NR	NR	NR	NR	NR	0

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
IOP	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
Ind. Haz Waste	0.250		0	0	NR	NR	NR	Ő
MSD	0.500		Õ	Õ	0	NR	NR	Õ
NPDES	TP		NR	NR	NR	NR	NR	Ō
RWS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
IHW CORR ACTION	0.250		0	0	NR	NR	NR	0
PST STAGE 2	0.250		0	0	NR	NR	NR	0
COMP HIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORIC								
EDR Exclusive Records	5							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
-	·							-
- Totals		0	1	6	10	0	0	17

## NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Database(s)

EDR ID Number EPA ID Number

1 NNE < 1/8 0.110 mi. 581 ft.	CITY PARK AT RIVER INTERSECTION OF FULTON 8 WHARTON (County), TX 7748			CLI	S110770554 N/A
581 ft. Relative: Lower Actual: 96 ft.			U1645 Not reported Not reported Not reported Not reported Not reported Not reported 1 2 Not reported Not reported 0 0 0 Not reported 0.00 0 Not reported 0 0 Not reported 0 0 Not reported 0 0 Not reported 0 0 0 Not reported 0 0 0 0 Not reported 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
2 SSE 1/8-1/4 0.156 mi. 822 ft.	CITY PARK @ RIVER WHARTON, TX			CLI	S103259299 N/A
Relative: Lower Actual: 93 ft.	CLI: Facility ID: Facility Name2: Site Status: Date Recieved: County: Region: Near City: Organic Acres: Area Served: Population Srvd: Tons per Day: Yards per Day: Permit Status:	Not reported Not reported			

Not reported

Not reported

Permit Status:

Removal Status:

Database(s)

EDR ID Number EPA ID Number

### CITY PARK @ RIVER (Continued)

•		euj	5105255255
	Status Date:	Not reported	1
	Engineer:	Not reported	
	Source:	2	
	Source Code:	Not reported	1
	Date Opened:	*****	
	Date Closed:	*********	
	Size - Acres:	Not reported	1
	Size - Cubic Yrds:	Not reported	1
	Lat Deg:	29	
	Lat Min:	18.33	
	Long Deg:	96	
	Long Min:	6.04	
	Lat/Long (deg):	29.305500 /	-96.100667
	Owner:	Not reported	1
	Owner Address:	Not reported	1
	Owner C,S,Z:	Not reported	1
	Business Type:	Not reported	1
	Facility Type:	Not reported	1
	Version of Amendment:		Not reported
	Extra Territorial Jurisdiction	:	Not reported
	Applicant Name:		Not reported
	Applicant Address:		Not reported
	Applicant City,St,Zip:		Not reported
	Applicant Phone:		Not reported
	Est Cleanup Date:		Not reported
	River Basin Code:		Not reported
	Earliest Date in the Records	s:	Not reported
	Last Date in Records Site A	ccepted Wa	stitest reported
	Texas Counsil of Governme	ent Code:	16
	Texas Water Commision Di	strict Code:	*****
	Code for Landfill:		1
	Parties:		Not reported
	Accepts House Hold:		Not reported
	Accepts Construction Demo	olition:	Not reported
	Accepts Industrial Waste:		Not reported
	Accepts Tires:		Not reported
	Accepts Agriculture:		Not reported
	Accepts Brush:		Not reported
	Accepts Other:		Not reported
	Accepts Other Description:		Not reported
	Haz Waste Unlikey:		Not reported
	Haz Waste Probably:		Not reported
	Haz Waste Likey:		Not reported
	Legal:		Not reported
	Maximum Depth:		******
	Depth Code:		Not reported
	Final Cover Has Been Appl		Not reported
	Minimun Thickness of Final	Cover:	Not reported
	In Use Inspector:		Not reported
	Inspc Comments:		DEVELOPMENT HAS OCCURRED OVER SITE, NO SUBSIDENCE NOTED, NO EXPOSED
			WASTE
	Comments:		???
	Update:		0 Not reported
	Reviewer:		Not reported

Not reported Not reported

Flag:

### S103259299

Database(s)

EDR ID Number EPA ID Number

A3 NNE 1/8-1/4 0.173 mi. 912 ft.	CITY HALL WHARTON 101 W BURLESON ST WHARTON, TX 77488 Site 1 of 2 in cluster A			LPST UST	U001279193 N/A
Relative: Higher Actual: 104 ft.	LPST: Facility ID: LPST Id: Facility Location: TCEQ Region# and City: Region City: Reported Date: Entered Date: Entered Date: Priority: Program: CA Status: Priority Description: Status: Coordinators Primary: Coordinators Primary: Coordinators Primary: Coordinators Primary: Coordinators Primary: Coordinators Primary: Coordinators RPR: Responsible Party Name: Responsible Party Contact: Responsible Party Contact: Responsible Party Contact: Responsible Party Contact: Responsible Party Contact: Responsible Party Telephone: Reported Date: Case Start Date: UST: Al Number: Facility Begin Date: Facility Status: Additional ID: Facility Exempt Status: Records Off-Site: UST Financial Assurance Requiti Number Of Active UST: Site Location (Nearest City Nam Site Location (Nearest City Nam Site Location (County Name): Site Location (County Name): Site Location (Location Zip): Contact Name/Title: Contact Organization Name: Contact Mailing Address1: Contact Mailing Address2: Contact Mailing Address2: Contact Telephone: Facility Contact Address Deliverat Contact Fax Number: Contact Reail Address: Signature Date On Earliest Reg Signature Role On Earliest Reg Signature Role On Earliest Reg Signature Role On Earliest Reg Signature Company On Earliest	2 - REGION 6A - FINAL CONCURREN Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported 07/30/1990 02/20/1990	ON ONLY REQUIRES FULL SITE ICE ISSUED FLEET REFUELING 03/17/1989 INACTIVE 584151152002156 N No No 0 Not reported Not reported Not reported WHARTON 12 77488 JACK O KEMP,CHIEF OF POLI CITY HALL WHARTON 12 77488 JACK O KEMP,CHIEF OF POLI CITY HALL WHARTON Not reported Not reported		MENT RAP
			·		

Database(s)

EDR ID Number EPA ID Number

#### **CITY HALL WHARTON (Continued)**

Facility Not Inspectable:

#### Owner:

Owner CN: **Owner Last Name: Owner First Name:** Owner Middle Name: Owner Type: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City: Contact Mailing State: Contact Mailing Zip: Contact Mailing Zip5: Contact Phone Number/Ext: Contact Fax Country Code: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Princ ID: Additional ID: AI Number: Owner Effective Begin Date: State Tax ID: Contact Role: Contact Name/Title: Contact Organization Name:

#### Tank:

Install Date: Tank Registration Date: Number of Compartments: Tank Capacity: Tank Singlewall: Tank Doublewall: Pipe Type: UST ID: Facility ID: Ai Number: Tank Id: Tank Status (Current): Tank Status Date: Empty: Tank Regulatory Status: Tank Int Prot (Internal Tank Lining Date): Piping Design (Single Wall): Piping Design (Double Wall): Tank Ext Cont(Fac-Built Nonmetallic Jacket): Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner): Tank Ext Cont(Tank Vault/Rigid Trench Liner): Piping Ext Cont(Fac-Built Nonmetallic Jacket): Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner): Piping Ext Cont(Tank Vault/Rigid Trench Liner): Tank Material (Steel): Tank Material(Frp(Fiberglass-Reinforced Plastic): Tank Mat(Composite (Steel W/Ext Frp Cladding)): Tank Mat(Concrete):

### No

CN600241335 **CITY OF WHARTON** Not reported Not reported CI Not reported 62322152001269 584151152002156 47961 03/17/1989 Not reported Not reported Not reported 01/01/1978 03/14/1989 1 1000 Ν Ν Not reported 124965 79271 47961 1 REMOVED FROM GROUND 03/21/1990 Ν FULLY REGULATED Not reported Ν Ν Ν Ν Ν Ν Ν Ν Υ Ν Ν Ν

Database(s)

EDR ID Number EPA ID Number

### CITY HALL WHARTON (Continued)

Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel): Piping Mat(Frp(Fiberglass Reinforced Plastic):	Y N
Piping Mat(Concrete):	N
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
Piping Mat(Nonmetallic Flex Piping):	N
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	Ν
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	Ν
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N N
TCPM(Cathodic Prot-FacInstallation): TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
TCPM(FRP Tank Or Piping(Noncorrodible)):	N
TCPM(Ext Nonmetallic Jacket):	Ν
TCPMeth(Unnecessary Per Corrosion Prot Spec):	Ν
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
PCPM(Cathodic Prot-Field Install):	N N
PCPMethod (FRP Tank Or Piping(Noncorrodible): PCPM(Nonmetallic FlexPiping (Noncorrodible)):	N
PCPMeth(Isolated Open Area/2nd Containment):	N
PCPM (Dual Protected):	N
PCPM(Unnec Per Corrosion Prot Specialist):	Ν
Tank Corr Prot Compliance Flag:	Ν
Piping Corr Prot Compliance Flag:	Ν
Tank Corrosion Prot Variance:	N
Piping Corrosion Prot Variance:	N
Temp Out Of Service Compliance: Technical Compliance Flag:	N N
Tank Tested Flag:	Y
Installation Signature Date:	11/14/1990
-	
Compartment Records: Tank ID:	1
Tank Capacity:	1000
UST Comprt ID:	115289
UST ID:	124965
AI Number:	47961
Compartment ID:	A
Substance Stored1:	GASOLINE
Substance Stored2:	Not reported
Substance Stored3: CompartmentReleaseDetectionMethod(Vapor):	Not reported N
CRDM(GW Monitoring):	N
CRDM(Monitoring Of Secondary Cont Barrier):	N
CRDM(Auto Tank Gauge Test/Inv Control):	Ν
CRDM(Interstitial Monitoring SecWall/Jacket):	Ν
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	N
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	N
PipingReleaseDetectionMethod(PRDM)(Vapor): PRDM(Groundwater Monitoring):	N N
PRDM(Groundwater Monitoring). PRDM(Monitoring Sec Containment Barrier):	N
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	N
PRDM(Mthly Piping Tightness Test)@.2Gph:	N
· · · · · · ·	

Database(s)

EDR ID Number EPA ID Number

### CITY HALL WHARTON (Continued)

••••		
	PRDM(AnnualPipingTightTest/ElecMon@.1Gph: PRDM(TriennialTightTest(Suction/GravityPiping): PRDM AutoLineLeakDet(3.0 Gph PressPiping): PRDM(Sir(StatInv Recon)/Inv Control)): PRDM(Exempt System Suction: Spill Overfill Prevention Equip(SOPE): SOPE(Spill Cont/Bucket/Sump): SOPE(DelShut-Off Valve) ): SOPE(DelShut-Off Valve) ): SOPE(FlowRestrictorValue: SOPE(Alarm (Set@<=90%) W/3a Or 3b: SOPE(N/A Deliveries To Tank<=25G): Compartment Release Det Compliance Flag: Piping Release Detection Compliance Flag ): Spill/OverfillPreventionCompliance Flag: Compartment Release Detection Variance: Piping Release Detection Variance: Spill And Overfill Prevention Variance: Stage I Vapor Recovery: Stage 1 Installation Date:	N N N N N N N N N N N N N N N N N N N
M	ore Self Certification: Self Cert ID: Cert ID: UST Comprt ID: UST ID: Al Number: Tank ID: Compartment ID:	18478 99844 295725 109445 47961 2 A
	Self Cert ID: Cert ID: UST Comprt ID: UST ID: AI Number: Tank ID: Compartment ID:	18478 99843 295726 109445 47961 2 A
	Self Cert ID: Cert ID: UST Comprt ID: UST ID: Al Number: Tank ID: Compartment ID:	18478 99842 295727 109445 47961 2 A
	Self Cert ID: Cert ID: UST Comprt ID: UST ID: Al Number: Tank ID: Compartment ID:	18478 99841 295728 109445 47961 2 A
	Self Cert ID: Cert ID: UST Comprt ID: UST ID:	18478 99838 295731 109445

Database(s)

EDR ID Number EPA ID Number

### CITY HALL WHARTON (Continued)

Al Number:	47961
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18478
Cert ID:	99837
UST Comprt ID:	295734
UST ID:	109445
AI Number:	47961
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18478
Cert ID:	99836
UST Comprt ID:	295733
UST ID:	109445
AI Number:	47961
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18478
Cert ID:	99835
UST Comprt ID:	295732
UST ID:	109445
AI Number:	47961
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18478
Cert ID:	99840
UST Comprt ID:	295729
UST ID:	109445
Al Number:	47961
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18478
Cert ID:	99839
UST Comprt ID:	295730
UST ID:	109445
AI Number:	47961
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18478
Cert ID:	99846
UST Comprt ID:	295723
UST ID:	109445
AI Number:	47961
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18478
Cert ID:	99845
UST Comprt ID:	295724
UST ID:	109445
AI Number:	47961

A4 NNE 1/8-1/4 MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

Tank ID:	2
Compartment ID:	A
Facility Billing Contacts:	
Contact Organization Name:	CITY OF WHARTON
Contact Mailing Address (Delivery):	120 E CANEY ST
Contact Mailing Address (Internal Delivery):	Not reported
Contact Mailing City/State/Zip:	WHARTON, TX 77488 5006
Phone Number/Ext:	/
Contact Fax Number/Ext:	/
Contact Email Address:	Not reported
Contact Address Deliverable:	Y
Facility ID:	79271
Additional ID:	584151152002156
Princ ID:	62322152001269
Al Number:	47961
Facility Name:	CITY HALL WHARTON
AR Number:	Not reported
AR UST Number Suffix:	Not reported
AR AST Number Suffix:	Not reported
Contact Name/Title:	ANDRES GARZA/
/HARTON COUNTY SHERIFF DEPT 00 E BURLESON ST	LPST U00124618 UST N/A
HARTON, TX 77488	Financial Assurance
ite 2 of 2 in cluster A	
LPST:	
Facility ID: 0010097	
LPST Id: 102525	

0.173 mi.	WHARTON, 1X 11400	
915 ft.	Site 2 of 2 in cluster A	
Relative: Higher Actual: 104 ft.	LPST: Facility ID: LPST Id: Facility Location: TCEQ Region# and City: Region City: Reported Date: Entered Date: Priority: Program: CA Status: Priority Description: <b>Status:</b> Coordinators Primary: Coordinators RPR: Responsible Party Name: Responsible Party Contact: Responsible Party Contact: Responsible Party Contact: Responsible Party Contact: Responsible Party Contact: Responsible Party Telephone: Reported Date: Case Start Date:	0010097 102525 100 E BURLESON REGION 12 - HOUSTON HOUSTON 04/15/1992 5 - MINOR SOIL CONTAMINATION - DOES NOT REQUIRE A RAP 2 - REGION 6A - FINAL CONCURRENCE ISSUED MINOR SOIL CONTAMINATION - DOES NOT REQUIRE A RAP FINAL CONCURRENCE ISSUED 2 HELEN WELCH Not reported LARRY HENSLEY 100 E BURLESON WHARTON, TX 77488 512/532-1550 10/17/1991 09/30/1991

UST:

Al Number: Facility Type: Facility Begin Date: 10097 FLEET REFUELING 07/22/1986

Database(s)

EDR ID Number EPA ID Number

#### WHARTON COUNTY SHERIFF DEPT (Continued)

Facility Status: Additional ID: Facility Exempt Status: Records Off-Site: **UST Financial Assurance Required:** Number Of Active UST: Site Location Description: Site Location (Nearest City Name): Site Location (County Name): Site Location (Tceq Region): Site Location (Location Zip): Contact Name/Title: Contact Organization Name: Contact Mailing Address1: Contact Mailing Address2: Contact Mailing City/State/Zip: Contact Telephone: Facility Contact Address Deliverable: Contact Fax Number: Contact Email Address: Signature Date On Earliest Reg Form: Signature Name/Title On Earliest Reg Form: Application Received Date On Earliest Reg Form: Signature Role On Earliest Reg Form: Signature Company On Earliest Reg Form: **Enforcement Action:** Facility Not Inspectable: Operator: Princ ID: Additional ID: Ai Number: Operator CN: **Operator Name: Operator Effective Begin Date:** Operator Type: Operator Role: Contact Name: Contact Organization Name: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City/State/Zip: Contact Phone Country Code: Contact Phone Area Code: Contact Phone Number: Contact Phone Extension: Contact Fax Country Code: Contact Fax Area Code: Contact Fax Number: Contact Fax Extension: Contact Email Address:

#### Owner:

Owner CN: Owner Last Name: Owner First Name:

Contact Address Deliverable:

INACTIVE 948062712002153 N No No 0 Not reported Not reported WHARTON 12 77488 BILL COPELAND, WHARTON COUNTY SHERIFF DEPT Not reported Not reported Not reported 4095321550 Not reported Not reported Not reported 04/16/1986 WILTON NIEMEIER, COUNTY AUDITOR 05/08/1986 Not reported Not reported Not reported No 891494912001300 948062712002153 10097 CN600343222 WHARTON COUNTY 01/01/1993 OG OPRCON **BILL COPELAND/CHIEF DEPUTY** WHARTON COUNTY PO BOX 726 Not reported WHARTON TX 77488-0726 1 979 5321550 0 Not reported Not reported Not reported Not reported Not reported Not reported

CN600343222 WHARTON COUNTY Not reported

Database(s)

EDR ID Number EPA ID Number

#### WHARTON COUNTY SHERIFF DEPT (Continued)

Owner Middle Name: Owner Type: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City: Contact Mailing State: Contact Mailing Zip: Contact Mailing Zip5: Contact Phone Number/Ext: Contact Fax Country Code: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Princ ID: Additional ID: AI Number: Owner Effective Begin Date: State Tax ID: Contact Role: Contact Name/Title: Contact Organization Name: Self Certification: Self Cert ID: Cert ID: Al Number: Self Certification Date: Signature Name/Title: Signature Type Role: Filing Status: Registration Self Certification Flag: Facility Fees Self Certification Flag: Financial Assurance Self Certification Flag: Technical Standards Self Certification Flag: Delivery Certificate Expiration Date: Reporting Method: Tank Corrosion Protection Compliance: Piping Corrosion Protection Compliance: **Compartment Release Detection Compliance:** Piping Release Detection Compliance: Spill Prevention/Overfill Compliance: Self Cert ID: Cert ID: AI Number: Self Certification Date: Signature Name/Title: Signature Type Role: Filing Status: Registration Self Certification Flag: Facility Fees Self Certification Flag: Financial Assurance Self Certification Flag: Technical Standards Self Certification Flag: Delivery Certificate Expiration Date: **Reporting Method:** 

Tank Corrosion Protection Compliance: Piping Corrosion Protection Compliance:

Not reported OG PO BOX 226 Not reported WHARTON ТΧ 77488 0226 1 409 5328931/0 Not reported Not reported Not reported 891494912001300 948062712002153 10097 01/01/1993 Not reported OWNCON WHARTON COUNTY 49585 38588 10097 05/23/2002 **BILL COPELAND CHIEF DEPUTY** LEGAL AUTH REP OWNER RENEWAL Υ Y Y Y 07/31/2003 Not reported Not reported Not reported Not reported Not reported Not reported 49585 38587 10097 02/26/2001 BILL COPELAND CHIEF DEPUTY OPERATOR INITIAL Υ Y Υ Y 07/31/2002 Not reported

Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

### WHARTON COUNTY SHERIFF DEPT (Continued)

Compartment Release Detection Compliance: Piping Release Detection Compliance: Spill Prevention/Overfill Compliance:	Not reported Not reported Not reported
Table	
Tank:	44/04/4004
Install Date:	11/01/1991
Tank Registration Date:	05/08/1986
Number of Compartments:	1
Tank Capacity:	2000
Tank Singlewall:	N
Tank Doublewall:	Y
Pipe Type:	S
	26692
Facility ID:	49585
Ai Number:	10097
Tank Id:	
Tank Status (Current):	REMOVED FROM GROUND
Tank Status Date:	08/20/2002
Empty:	
Tank Regulatory Status:	FULLY REGULATED
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	N
Piping Design (Double Wall):	Y
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	N
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Y N
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N N
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	
Tank Material (Steel):	N
Tank Material(Frp(Fiberglass-Reinforced Plastic):	Y N
Tank Mat(Composite (Steel W/Ext Frp Cladding)): Tank Mat(Concrete):	N
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated (Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel):	N
Piping Material (Steel). Piping Mat(Frp(Fiberglass Reinforced Plastic):	Y
Piping Mat(Concrete):	N
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
Piping Mat(Nonmetallic Flex Piping):	N
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	N
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
Piping Connect/Valves (Flex Connectors (Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM(Cathodic Prot-FacInstallation):	N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
TCPM(FRP Tank Or Piping(Noncorrodible)):	Y
TCPM(Ext Nonmetallic Jacket):	N
TCPMeth(Unnecessary Per Corrosion Prot Spec):	N
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	Y
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	Y Y
PCPMeth(Isolated Open Area/2nd Containment):	N

Database(s)

EDR ID Number EPA ID Number

U001246189

VHARTON COUNTY SHERIFF DEPT (Continued)			
PCPM (Dual Protected):	N		
PCPM(Unnec Per Corrosion Prot Specialist):	N		
Tank Corr Prot Compliance Flag:	Ŷ		
Piping Corr Prot Compliance Flag:	Ŷ		
Tank Corrosion Prot Variance:	Ň		
Piping Corrosion Prot Variance:	N		
Temp Out Of Service Compliance:	N		
Technical Compliance Flag:	N		
Tank Tested Flag:	N		
Installation Signature Date:	06/21/1993		
Compartment Records:			
Tank ID:	1		
Tank Capacity:	2000		
UST Comprt ID:	32687		
UST ID:	26692		
Al Number:	10097		
Compartment ID:	A		
Substance Stored1:	GASOLINE		
Substance Stored2:	Not reported		
Substance Stored3:	Not reported		
CompartmentReleaseDetectionMethod(Vapor):	N		
CRDM(GW Monitoring):	N		
CRDM(Monitoring Of Secondary Cont Barrier):	Y		
CRDM(Auto Tank Gauge Test/Inv Control):	Ň		
CRDM(Interstitial Monitoring SecWall/Jacket):	N		
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N		
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	N		
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	N		
PipingReleaseDetectionMethod(PRDM)(Vapor):	N		
PRDM(Groundwater Monitoring):	N		
PRDM(Monitoring Sec Containment Barrier):	Ŷ		
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	Ň		
PRDM(Mthly Piping Tightness Test)@.2Gph:	N		
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	N		
PRDM(TriennialTightTest(Suction/GravityPiping):	N		
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	Ν		
PRDM(Sir(StatInv Recon)/Inv Control)):	N		
PRDM(Exempt System Suction:	Ν		
Spill Overfill Prevention Equip(SOPE):	Y		
SOPE(Spill Cont/Bucket/Sump):	Y		
SOPE(DelShut-Off Valve) ):	Y		
SOPE(FlowRestrictorValue:	Ν		
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	Ν		
SOPE(N/A Deliveries To Tank<=25G):	Ν		
Compartment Release Det Compliance Flag:	Y		
Piping Release Detection Compliance Flag):	Y		
Spill/OverfillPreventionCompliance Flag:	Y		
Compartment Release Detection Variance:	Ν		
Piping Release Detection Variance:	Ν		
Spill And Overfill Prevention Variance:	Ν		
Stage I Vapor Recovery:	Not reported		
Stage 1 Installation Date:	Not reported		
	•		

WHARTON COUNTY SHERIFF DEPT (Continued)

Construction Notification: NOC ID:

4269

Database(s)

EDR ID Number EPA ID Number

### WHARTON COUNTY SHERIFF DEPT (Continued)

Facility ID:	49585
AI Number:	10097
Application Received Date:	06/05/2002
Scheduled Construction Date:	07/01/2002
UST Improvement:	N
UST Installation:	N
UST Removal:	Y
UST Repair:	N
UST Return To Service:	Ν
UST Replacement:	Ν
UST Abandonment:	Ν
UST Stage I:	Ν
AST Installation:	N
AST Stage I:	N
Historical Tracking Number:	M20605004
Waiver Flag:	N
Late Filing Flag:	Y
Form Received Date:	Not reported
Signature Date On Form:	Not reported
Signature Name On Form:	Not reported
Signature Company On Form:	Not reported
Signature Title On Form:	Not reported
Signature Role:	Not reported
Owner Name At Time Of Construction:	Not reported
Owner CN At Time Of Construction:	Not reported
Owner AR At Time Of Construction:	4767
General Desc Of Prop Construct: Not reported	
Contractor, Consultant and Installer:	
Cont/Cons/Installer ID:	4609
UST ID:	Not reported
NOC ID:	4269
Al Number:	10097
Type Of Contact:	CONTRACTOR
Contractor CRP Number Or Installer ILP Number:	CRP000220
Company Name:	Not reported
Representative Name:	Not reported
Mailing Address (Delivery):	Not reported
Mailing Address (Internal Delivery):	Not reported
Mailing City:	
	Not reported
Mailing State:	Not reported
Mailing State: Mailing Zip:	Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code:	Not reported Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code:	Not reported Not reported Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code:	Not reported Not reported Not reported Not reported 1
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code:	Not reported Not reported Not reported Not reported 1 Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code: Phone Number:	Not reported Not reported Not reported Not reported 1 Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code: Phone Number: Phone Number:	Not reported Not reported Not reported 1 Not reported Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code: Phone Number: Phone Number: Fax Number Country Code:	Not reported Not reported Not reported 1 Not reported Not reported Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code: Phone Number: Phone Number: Fax Number Country Code: Fax Number Area Code:	Not reported Not reported Not reported 1 Not reported Not reported Not reported Not reported Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code: Phone Number: Phone Number: Fax Number Country Code: Fax Number Area Code: Fax Number:	Not reported Not reported Not reported 1 Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code: Phone Number: Phone Number: Fax Number Country Code: Fax Number Area Code:	Not reported Not reported Not reported 1 Not reported Not reported Not reported Not reported Not reported Not reported
Mailing State: Mailing Zip: Mailing Foreign Postal Code: Mailing County Code: Phone Number Country Code: Phone Number Area Code: Phone Number: Phone Number: Fax Number Country Code: Fax Number Area Code: Fax Number:	Not reported Not reported Not reported 1 Not reported Not reported Not reported Not reported Not reported Not reported Not reported

Facility Billing Contacts: Contact Organization Name: Contact Mailing Address (Delivery):

WHARTON COUNTY PO BOX 726

Direction	1			
Distance Elevation	Site		Database(s)	EDR ID Number
	WHARTON COUNTY SHERIFF DEPT (Co	ntinued)		U001246189
	Contact Mailing Address (Internal Delix Contact Mailing City/State/Zip: Phone Number/Ext:	very): Not reported WHARTON, TX 774	88 0726	
	Contact Fax Number/Ext:	/		
	Contact Email Address:	Not reported		
	Contact Address Deliverable: Facility ID:	Y 49585		
	Additional ID:	948062712002153		
	Princ ID:	891494912001300		
	Al Number:			
	Facility Name: AR Number:	WHARTON COUNT Not reported	I SHEKIFF DEPT	
	AR UST Number Suffix:	Not reported		
	AR AST Number Suffix:	Not reported		
	Contact Name/Title:	BILL COPELAND/		
	TX Financial Assurance 2:			
	Region:	2		
	Facility ID:			
	Finass ID:	31771		
	Al:	10097		
	Mechanism Type Other: Multiple Mechanism Types:	Not reported N		
	Coverage Amt per Annual Aggregate:	Not reported		
	Meets Financial Assurance Req Flag:	Not reported		
	Financial Responsibility Type:	INSURANCE OR RISK RETENTION		
	Corrective Action MET Flag:	Y		
	3rd Party MET Flag:	Υ		
	Financial Assurance Begin Date: Date Financial Assurance Form Rec:	01/01/1901 Not reported		
	Issuer Name:	Not reported		
	Issuer Phone:	Not reported		
	Policy Number:	Unknown		
	Coverage Amount:	0		
	Coverage Expiration Date:	01/01/1901		
	Ins Premium Pre-Paid For Entire Yr: Proof of Financial Assurance:	No No		
5 ENE	WHARTON COUNTY SHERIFF DEPARTM 315 E ELM ST	ENT	AST	A100210785 N/A
1/8-1/4 0.207 mi. 1095 ft.	WHARTON, TX 77488			
Relative:	AST:			
Higher	Facility ID:	115510		
Actual:	Additional ID:	513642332003100		
103 ft.	Al Number:	75415		
	Facility Type:	FLEET REFUELING		
	Facility Begin Date:	09/01/2002 ACTIVE		
	Facility Status: Facility Exempt Status:	N ACTIVE		
	Records Off-Site:	N		
	UST Financial Assurance Required:	N		
	Number of Active ASTs:	1		
	Site Location Description:	Not reported		

Not reported

Site Location Description:

MAP FINDINGS

Map ID Direction

WHARTON COUNTY SHERIFF DEPARTMENT (Continued)

Database(s) EPA I

EDR ID Number EPA ID Number

		NI
	Site Location (nearest city name):	Not reported
	Site Location (county name):	WHARTON
	Site Location (TCEQ region):	12
	Site Location (location zip):	77488
	Contact Name/Title:	/
	Contact Organization Name:	WHARTON COUNTY SHERIFF DEPARTMENT
	Contact Mailing Address1:	Not reported
	Contact Mailing Address2:	Not reported
	Contact CityStateZip:	Not reported
	Contact Telephone:	9792822849
	Contact Address Deliverable:	Not reported
	Contact Fax Number:	Not reported
	Contact Fax Number:	Not reported
		•
	Signature Date on Earliest Reg Form:	10/03/2002
	Signature First Name on Earliest Reg Form:	BILL
	Application Received Date on Earliest Reg Form:	
	Signature Middle Name on Earliest Reg Form:	Not reported
	Signature Last Name on Earliest Reg Form:	COPELAND
	Signature Title on Earliest Reg Form:	CHIEF DEPUTY
	Signature Role on Earliest Reg Form:	OWNER
	Signature Company on Earliest Reg Form:	Not reported
	Enforcement Action:	Not reported
	Facility Not Inspectable:	N
	Facility Not Inspectable Reason A:	Not reported
	Facility Not Inspectable Reason B:	Not reported
	Enforcement Action Date:	Not reported
_		
F	acility:	
	Facility ID:	115510
	Tank ID:	1
	AST ID:	200607
	AI Number:	75415
	Install Date:	09/01/2002
	Tank Registration Date:	10/03/2002
	Mult Comp:	Ν
	Tank Status:	IN USE
	Tank Status Date:	09/01/2002
	Tank Reg Status:	FULLY REGULATED
	Tank Capacity:	4000
	Substance:	GASOLINE
	Other Substance B:	Not reported
	Other Substance C:	Not reported
	Steel:	Y
	Fiber:	N
	Aluminum:	N
	Metal:	
		N
	Concrete:	N
	Dike:	N
	Liner:	N
	Contains CO:	Y
	Contains NO:	N
	Vapor Rec:	Not reported
	Inst Stage Date:	Not reported

### A100210785

Database(s)

EDR ID Number EPA ID Number

6 WSW	WMI TRANSFER STATION		CLI	S103259300 N/A
1/4-1/2	WHARTON, TX			IN/A
0.386 mi.	,			
2036 ft.				
Relative:	CLI:			
Higher	Facility ID:	Not reported		
Actual:	Facility Name2: Site Status:	Dld City of Wharton		
101 ft.	Date Recieved:	Not reported Not reported		
	County:	Not reported		
	Region:	Not reported		
	Near City:	Not reported		
	Organic Acres:	Not reported		
	Area Served:	Not reported		
	Population Srvd:	Not reported		
	Tons per Day: Yards per Day:	Not reported Not reported		
	Permit Status:	Not reported		
	Removal Status:	Not reported		
	Status Date:	Not reported		
	Engineer:	Not reported		
	Source:	2		
	Source Code:	Not reported		
	Date Opened: Date Closed:	940 960		
	Size - Acres:	Not reported		
	Size - Cubic Yrds:	Not reported		
	Lat Deg:	29		
	Lat Min:	8.27		
	Long Deg:	96		
	Long Min:	5.42 29.304500 / -96.107000		
	Lat/Long (deg): Owner:	Vot reported		
	Owner Address:	Not reported		
	Owner C,S,Z:	Not reported		
	Business Type:	Not reported		
	Facility Type:	Not reported		
	Version of Amendment:	Not reported		
	Extra Territorial Jurisdiction Applicant Name:	Not reported		
	Applicant Address:	Not reported Not reported		
	Applicant City,St,Zip:	Not reported		
	Applicant Phone:	Not reported		
	Est Cleanup Date:	Not reported		
	River Basin Code:	Not reported		
	Earliest Date in the Record	•		
	Last Date in Records Site Texas Counsil of Governm			
	Texas Water Commision E			
	Code for Landfill:	1		
	Parties:	Not reported		
	Accepts House Hold:	Not reported		
	Accepts Construction Dem	•		
	Accepts Industrial Waste:	Not reported		
	Accepts Tires:	Not reported Not reported		
	Accepts Agriculture: Accepts Brush:	Not reported		
		Notroponou		

Database(s)

EDR ID Number **EPA ID Number** 

S103259300

#### WMI TRANSFER STATION (Continued)

Accepts Other: Not reported Accepts Other Description: Not reported Haz Waste Unlikey: Not reported Haz Waste Probably: Not reported Haz Waste Likey: Not reported Not reported Legal: \*\*\*\*\*\*\*\*\*\* Maximum Depth: Depth Code: Not reported Final Cover Has Been Applied: Not reported Minimun Thickness of Final Cover: Not reported In Use Inspector: Not reported AVG.-GOOD COVER, NO EXPOSED WASTE Inspc Comments: used prior to PA855 Comments: Update: 2 LCRA Geocode Reviewer: Flag: Not reported

0047964

HOUSTON

04/30/1997

01/08/1993

1 - RPR

319 NORTH FULTON

**REGION 12 - HOUSTON** 

6A - FINAL CONCURRENCE ISSUED

The vertical extent of contamination has been defined and the assessment results document that groundwater is not affected.

4.2 - NO GW IMPACT NO APPARENT THREATS OR IMPACTS TO RECEPTORS

105347

#### **B7** FIRE DEPARTMENT NNE 319 N FULTON ST 1/4-1/2 WHARTON, TX 77488

0.409 mi.

Actual:

101 ft.

#### 2158 ft. Site 1 of 2 in cluster B LPST: **Relative:** Higher

Facility ID: LPST Id: Facility Location: TCEQ Region# and City: Region City: Reported Date: Entered Date: Priority: Program: CA Status: Priority Description:

#### Status:

FINAL CONCURRENCE ISSUED, CASE CLOSED Coordinators Primary: 1/2 Coordinators RPR: HLN Responsible Party Name: Not reported **Responsible Party Contact:** JIM WENDEL **Responsible Party Address: 101 W BURLESON** Responsible Party City, St, Zip: WHARTON, TX 77488 Responsible Party Telephone: 409/532-2491 Reported Date: 11/23/1992 Case Start Date: 07/21/1992

#### UST:

AI Number:	47964
Facility Type:	UNKNOWN
Facility Begin Date:	03/17/1989
Facility Status:	INACTIVE
Additional ID:	360103042002117
Facility Exempt Status:	Ν
Records Off-Site:	No
UST Financial Assurance Required:	No
Number Of Active UST:	0

#### LPST U001279196 UST N/A

Database(s)

EDR ID Number EPA ID Number

#### U001279196

#### FIRE DEPARTMENT (Continued)

Site Location Description: Site Location (Nearest City Name): Site Location (County Name): Site Location (Tceq Region): Site Location (Location Zip): Contact Name/Title: Contact Organization Name: Contact Mailing Address1: Contact Mailing Address2: Contact Mailing City/State/Zip: Contact Telephone: Facility Contact Address Deliverable: Contact Fax Number: Contact Email Address: Signature Date On Earliest Reg Form: Signature Name/Title On Earliest Reg Form: Application Received Date On Earliest Reg Form: Signature Role On Earliest Reg Form: Signature Company On Earliest Reg Form: **Enforcement Action:** Facility Not Inspectable: Owner: Owner CN: **Owner Last Name: Owner First Name:** Owner Middle Name: Owner Type: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City: Contact Mailing State: Contact Mailing Zip: Contact Mailing Zip5: Contact Phone Number/Ext: Contact Fax Country Code: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Princ ID: Additional ID: AI Number:

Owner Effective Begin Date:

State Tax ID:

Contact Role:

Install Date:

Tank Capacity: Tank Singlewall:

Pipe Type:

UST ID:

Tank Doublewall:

Tank:

Contact Name/Title: Contact Organization Name:

Tank Registration Date:

Number of Compartments:

Not reported Not reported WHARTON 12 77488 JIM WENDEL, FIRE CHIEF FIRE DEPARTMENT Not reported Not reported Not reported 4095325886 Not reported Not reported Not reported 03/03/1989 SAME, SAME 03/13/1989 Not reported Not reported Not reported No CN600241335 CITY OF WHARTON Not reported Not reported CI Not reported 62322152001269 360103042002117 47964 03/17/1989 Not reported Not reported Not reported 01/01/1969 03/13/1989 2000 Ν Ν Not reported

124970

Database(s)

EDR ID Number EPA ID Number

### FIRE DEPARTMENT (Continued)

	Facility ID:	79274
	•	
	Ai Number:	47964
	Tank Id:	1
	Tank Status (Current):	REMOVED FROM GROUND
	Tank Status Date:	07/14/1992
	Empty:	N
	Tank Regulatory Status:	FULLY REGULATED
	• •	
	Tank Int Prot (Internal Tank Lining Date):	Not reported
	Piping Design (Single Wall):	N
	Piping Design (Double Wall):	N
	Tank Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
	Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
	Tank Ext Cont(Tank Vault/Rigid Trench Liner):	N
	Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
	Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
	Piping Ext Cont(Tank Vault/Rigid Trench Liner):	N
	Tank Material (Steel):	Y
	Tank Material(Frp(Fiberglass-Reinforced Plastic):	Ν
	Tank Mat(Composite (Steel W/Ext Frp Cladding)):	N
	Tank Mat(Concrete):	N
	Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
	Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
	Piping Material (Steel):	Y
	Piping Mat(Frp(Fiberglass Reinforced Plastic):	Ν
	Piping Mat(Concrete):	Ν
	Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
	Piping Mat(Nonmetallic Flex Piping):	
		N
	PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	N
	Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
	Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	Ν
	Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	Ν
	TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	Ν
	TCPM(Cathodic Prot-FacInstallation):	N
	TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
	TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
	TCPM(FRP Tank Or Piping(Noncorrodible)):	N
	TCPM(Ext Nonmetallic Jacket):	Ν
	TCPMeth(Unnecessary Per Corrosion Prot Spec):	Ν
	Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
	Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
	PCPM(Cathodic Prot-Field Install):	N
	PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
	PCPM(Nonmetallic FlexPiping (Noncorrodible)):	N
	PCPMeth(Isolated Open Area/2nd Containment):	Ν
	PCPM (Dual Protected):	Ν
	PCPM(Unnec Per Corrosion Prot Specialist):	Ν
	Tank Corr Prot Compliance Flag:	N
	Piping Corr Prot Compliance Flag:	N
	Tank Corrosion Prot Variance:	N
	Piping Corrosion Prot Variance:	N
	Temp Out Of Service Compliance:	N
	Technical Compliance Flag:	Ν
	Tank Tested Flag:	Y
	Installation Signature Date:	11/14/1990
	-	
С	ompartment Records:	
	Tank ID:	1
	Tank Capacity:	2000
	· ····· · ····························	

Database(s)

EDR ID Number EPA ID Number

### FIRE DEPARTMENT (Continued)

UST Comprt ID: UST ID: AI Number: Compartment ID: Substance Stored1: Substance Stored2: Substance Stored3: CompartmentReleaseDetectionMethod(Vapor): CRDM(GW Monitoring): CRDM(Monitoring of Secondary Cont Barrier): CRDM(Monitoring of Secondary Cont Barrier): CRDM(Auto Tank Gauge Test/Inv Control): CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Mthly Tank Gauging(Tanks<=1000 G): CRDM(Mthly Tank Gauging(Emer Gen Tanks): CRDM(Sir (Stat Inv Reconciliation)/Inv Control): PipingReleaseDetectionMethod(PRDM)(Vapor): PRDM(Groundwater Monitoring): PRDM(Groundwater Monitoring): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(Sir(StatInv Recon)/Inv Control)): PRDM(Sir(StatInv Recon)/Inv Control)): PRDM(Sir(StatInv Recon)/Inv Control)): PRDM(Exempt System Suction: Spill Overfill Prevention Equip(SOPE): SOPE(Spill Cont/Bucket/Sump): SOPE(DelShut-Off Valve) ): SOPE(FlowRestrictorValue: SOPE(Alarm (Set@<=90%) W/3a Or 3b: SOPE(N/A Deliveries To Tank<=25G): Compartment Release Det Compliance Flag: Piping Release Detection Compliance Flag: Piping Release Detection Compliance Flag: Compartment Release Detection Variance: Bining Palacea Detection Variance: Bining Palacea Detection Variance: Bining Palacea Detection Variance:	115296 124970 47964 A GASOLINE Not reported N N N N N N N N N N N N N N N N N N N
	N N
Spill And Overfill Prevention Variance: Stage I Vapor Recovery:	N Not reported
Stage 1 Installation Date:	Not reported
More Self Certification: Self Cert ID: Cert ID: UST Comprt ID: UST ID: AI Number: Tank ID: Compartment ID:	18479 96962 284385 107332 47964 2 A
Self Cert ID: Cert ID: UST Comprt ID: UST ID: AI Number: Tank ID: Compartment ID:	18479 96951 284394 107332 47964 2 A

Database(s)

EDR ID Number EPA ID Number

### FIRE DEPARTMENT (Continued)

Self Cert ID:	18479
Cert ID:	254082
UST Comprt ID:	730583
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	271145
UST Comprt ID:	781282
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	235048
UST Comprt ID:	674675
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96959
UST Comprt ID:	284388
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	224771
UST Comprt ID:	644800
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96958
UST Comprt ID:	284389
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96957
UST Comprt ID:	284390
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479

Database(s) EPA

EDR ID Number EPA ID Number

### FIRE DEPARTMENT (Continued)

Cert ID: UST Comprt ID: UST ID: AI Number: Tank ID: Compartment ID: Self Cert ID: Cert ID: UST Comprt ID: UST Comprt ID: UST ID: AI Number: Tank ID: Compartment ID:	96961 284386 107332 47964 2 A 18479 96956 284391 107332 47964 2 A
Self Cert ID:	18479
Cert ID:	96955
UST Comprt ID:	284392
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96954
UST Comprt ID:	284393
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96963
UST Comprt ID:	284384
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96953
UST Comprt ID:	284396
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96960
UST Comprt ID:	284387
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96952

Database(s)

EDR ID Number EPA ID Number

### FIRE DEPARTMENT (Continued)

UST ID: 107332 Al Number: 47964 Tank ID: 2 Compartment ID: 2 Install Date: 01/01/1969 Tank Registration Date: 03/13/1989 Number of Compartments: 1 Tank Capacity: 1000 Tank Singlewall: N Tank Capacity: 1000 Tank Singlewall: N Tank Doublewall: N Tank Doublewall: N Tank Doublewall: N Tank Doublewall: N Tank Doublewall: N Tank Doublewall: N Tank Status Clurrent): 79274 Al Number: 47964 Tank ID: 22 Tank Status Clurrent): REMOVED FROM GROUND Tank Singlewall: N Tank Regulatory Status: FULLY REGULATED Tank Status Clurrent): REMOVED FROM GROUND Tank Single (Single Wall): N Tank Regulatory Status: FULLY REGULATED Tank Int Prot (Internal Tank Lining Date): Not reported Piping Design (Double Wall): N Tank Ext Cont(Fan-Built Nonmetallic Jacket): N Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner): N Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner): N Piping Matic(Concrete): Y Tank Matcia(Steel): Y Tank Matcia(Steel): Y Tank Matcia(Steel): Y Tank Mat(Concrete): N Tank Mat(Concrete): N Tank Mat(Concrete): N Piping Matic(Concrete): N Piping Matcia(Steel W/Ext Polyurethane Cladding)): N Tank Mat(Concrete): N Piping Matcia(Steel W/Ext Nonmetallic Jacket): N Piping Mat(Concrete): N Piping Matcine Fex Piping): N Piping Matcine Concetors(End Steel Viping): N Piping Matcine Concetors(End Steel Viping): N Piping Matcine Concetors(End Steel Viping): N Piping Connect/Valves(Steel Vietx PolyurethaneLaminate): N CPM(Cathodic Pror-Facinstallation): N CPM(Cathod	LIST Compet ID:	284205
Al Number:       47964         Tank ID:       2         Compartment ID:       A         Install Date:       01/01/1969         Tank Registration Date:       03/13/1999         Number of Compartments:       1         Tank Capacity:       1000         Tank Singlewall:       N         Tank Doublewall:       N         Tank Singlewall:       N         Tank Situs Current):       124971         Facility ID:       124971         Facility ID:       79274         Ai Number:       47964         Tank Id:       2         Tank Status Current):       REMOVED FROM GROUND         Tank Id:       2         Tank Status Date:       07/14/14/192         Empty:       N         Tank Regulatory Status:       FULLY REGULATED         Tank Int Prot (Internal Tank Lining Date):       Not reported         Piping Design (Single Wall):       N         Tank Ext Cont(Tank Vauti/Rigid Trench Liner):       N     <		
Tank ID:2Compartment ID:AInstall Date:03/13/1989Tank Registration Date:03/13/1989Number of Compartments:1Tank Capacity:1000Tank Singlewall:NTank Doublewall:NTank Daublewall:NTank Daublewall:NTank Daublewall:NTank Daublewall:NTank Daublewall:NTank Daublewall:79274Ai Number:47964Tank Status (Current):REMOVED FROM GROUNDTank Status (Current):REMOVED FROM GROUNDTank Status (Current):REMOVED FROM GROUNDTank Status (Current):NTank Regulatory Status:FULLY REGULATEDTank Int Prot (Internal Tank Lining Date):Not reportedPiping Design (Single Wall):NTank Ext Cont(Fac-Built Nonmetallic Jacket):NTank Ext Cont(Tank Vaul/Rigid Trench Liner):NTank Ext Cont(Tank Vaul/Rigid Trench Liner):NPiping Design (Single Wall):NPiping Ext Cont(Syn Tank-Pi/Piping-Trench Liner):NPiping Ext Cont(Syn Tank-Pi/Piping-Trench Liner):NTank Mat(Concrete):NTank Mat(Concrete):NTank Mat(Concrete):NTank Mat(Concrete):NPiping Mat(acketed (Steel WExt Nonmetallic Jack):NPiping Mat(acketed (Steel WExt Nonmetallic Jack):NPiping Mat(acketed (Steel WExt Nonmetallic Jack):NPiping Mat(Concrete):N<		
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TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):NTCPM(Cathodic Prot-FacInstallation):NTCPM(Composite Tank(Steel W/Frp Ext Laminate):NTCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):NTCPM(FRP Tank Or Piping(Noncorrodible)):NTCPM(Ext Nonmetallic Jacket):NTCPMeth(Unnecessary Per Corrosion Prot Spec):NPiping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):NPiping Corr Prot Method(PCPM) (Cathodic Factory Install):NPCPM(Cathodic Prot-Field Install):N		
TCPM(Cathodic Prot-FacInstallation):NTCPM(Composite Tank(Steel W/Frp Ext Laminate):NTCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):NTCPM(FRP Tank Or Piping(Noncorrodible)):NTCPM(Ext Nonmetallic Jacket):NTCPMeth(Unnecessary Per Corrosion Prot Spec):NPiping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):NPiping Corr Prot Method(PCPM) (Cathodic Factory Install):NPCPM(Cathodic Prot-Field Install):N		
TCPM(Composite Tank(Steel W/Frp Ext Laminate):NTCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):NTCPM(FRP Tank Or Piping(Noncorrodible)):NTCPM(Ext Nonmetallic Jacket):NTCPMeth(Unnecessary Per Corrosion Prot Spec):NPiping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):NPiping Corr Prot Method(PCPM) (Cathodic Factory Install):NPCPM(Cathodic Prot-Field Install):N	· · · · · · · · · · · · · · · · · · ·	
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):NTCPM(FRP Tank Or Piping(Noncorrodible)):NTCPM(Ext Nonmetallic Jacket):NTCPMeth(Unnecessary Per Corrosion Prot Spec):NPiping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):NPiping Corr Prot Method(PCPM) (Cathodic Factory Install):NPCPM(Cathodic Prot-Field Install):N		
TCPM(FRP Tank Or Piping(Noncorrodible)):NTCPM(Ext Nonmetallic Jacket):NTCPMeth(Unnecessary Per Corrosion Prot Spec):NPiping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):NPiping Corr Prot Method(PCPM) (Cathodic Factory Install):NPCPM(Cathodic Prot-Field Install):N		Ν
TCPMeth(Unnecessary Per Corrosion Prot Spec):NPiping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):NPiping Corr Prot Method(PCPM) (Cathodic Factory Install):NPCPM(Cathodic Prot-Field Install):N		Ν
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):NPiping Corr Prot Method(PCPM) (Cathodic Factory Install):NPCPM(Cathodic Prot-Field Install):N	TCPM(Ext Nonmetallic Jacket):	Ν
Piping Corr Prot Method(PCPM) (Cathodic Factory Install): N PCPM(Cathodic Prot-Field Install): N		N
PCPM(Cathodic Prot-Field Install): N		
PCPMethod (FRP Tank Or Piping(Noncorrodible): N		
	PCPMethod (FRP Tank Or Piping(Noncorrodible):	N

FIRE DEPARTMENT (Continued)

#### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

#### PCPM(Nonmetallic FlexPiping (Noncorrodible)): Ν PCPMeth(Isolated Open Area/2nd Containment): Ν PCPM (Dual Protected): Ν PCPM(Unnec Per Corrosion Prot Specialist): Ν Tank Corr Prot Compliance Flag: Ν Piping Corr Prot Compliance Flag: Ν Tank Corrosion Prot Variance: Ν Piping Corrosion Prot Variance: Ν Temp Out Of Service Compliance: Ν **Technical Compliance Flag:** Ν Tank Tested Flag: Y Installation Signature Date: 11/14/1990 Compartment Records: Tank ID: 2 Tank Capacity: 1000 UST Comprt ID: 115297 UST ID: 124971 AI Number: 47964 Compartment ID: A DIESEL Substance Stored1: Substance Stored2: Not reported Substance Stored3: Not reported CompartmentReleaseDetectionMethod(Vapor): Ν CRDM(GW Monitoring): Ν CRDM(Monitoring Of Secondary Cont Barrier): Ν CRDM(Auto Tank Gauge Test/Inv Control): Ν CRDM(Interstitial Monitoring SecWall/Jacket): Ν CRDM(Wkly Manual Gauging(Tanks<=1000 G): Ν CRDM(Mthly Tank Gauging(Emer Gen Tanks): Ν CRDM(Sir (Stat Inv Reconciliation)/Inv Control): Ν PipingReleaseDetectionMethod(PRDM)(Vapor): Ν PRDM(Groundwater Monitoring): Ν PRDM(Monitoring Sec Containment Barrier): Ν PRDM(InterstitialMonitoring w/in SecWall/Jacket): Ν PRDM(Mthly Piping Tightness Test)@.2Gph: Ν PRDM(AnnualPipingTightTest/ElecMon@.1Gph: Ν PRDM(TriennialTightTest(Suction/GravityPiping): Ν PRDM AutoLineLeakDet(3.0 Gph PressPiping): Ν PRDM(Sir(StatInv Recon)/Inv Control)): N PRDM(Exempt System Suction: Ν Spill Overfill Prevention Equip(SOPE): Ν SOPE(Spill Cont/Bucket/Sump): Ν SOPE(DelShut-Off Valve) ): Ν SOPE(FlowRestrictorValue: Ν SOPE(Alarm (Set@<=90%) W/3a Or 3b: Ν SOPE(N/A Deliveries To Tank<=25G): Ν Compartment Release Det Compliance Flag: Ν Piping Release Detection Compliance Flag ): Ν Spill/OverfillPreventionCompliance Flag: N Compartment Release Detection Variance: Ν Piping Release Detection Variance: Ν

Ν

Not reported

Not reported

More Self Certification:

Stage I Vapor Recovery:

Stage 1 Installation Date:

Spill And Overfill Prevention Variance:

Database(s)

EDR ID Number EPA ID Number

### FIRE DEPARTMENT (Continued)

Self Cert ID:	18479
Cert ID:	96962
UST Comprt ID:	284385
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96951
UST Comprt ID:	284394
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	254082
UST Comprt ID:	730583
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	271145
UST Comprt ID:	781282
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	235048
UST Comprt ID:	674675
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96959
UST Comprt ID:	284388
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	224771
UST Comprt ID:	644800
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479

Database(s) EPA

EDR ID Number EPA ID Number

### FIRE DEPARTMENT (Continued)

Cert ID: UST Comprt ID: UST ID: AI Number: Tank ID: Compartment ID: Self Cert ID: Cert ID: UST Comprt ID: UST Comprt ID: UST ID: AI Number: Tank ID: Compartment ID:	96958 284389 107332 47964 2 A 18479 96957 284390 107332 47964 2 A
Self Cert ID:	18479
Cert ID:	96961
UST Comprt ID:	284386
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96956
UST Comprt ID:	284391
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96955
UST Comprt ID:	284392
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96954
UST Comprt ID:	284393
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96963
UST Comprt ID:	284384
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96953

Database(s)

CITY OF WHARTON

WHARTON, TX 77488 5006

120 E CANEY ST

Not reported

Not reported

Not reported Not reported

Not reported

360103042002117

FIRE DEPARTMENT

ANDRES GARZA/

62322152001269

1

1

Y

79274

47964

EDR ID Number **EPA ID Number** 

#### FIRE DEPARTMENT (Continued)

UST Comprt ID:	284396
UST ID:	107332
Al Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96960
UST Comprt ID:	284387
UST ID:	107332
AI Number:	47964
Tank ID:	2
Compartment ID:	A
Self Cert ID:	18479
Cert ID:	96952
UST Comprt ID:	284395
UST ID:	107332
Al Number:	47964
Tank ID:	2
Compartment ID:	A

Facility Billing Contacts: Contact Organization Name: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City/State/Zip: Phone Number/Ext: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Facility ID: Additional ID: Princ ID: AI Number: Facility Name: AR Number: AR UST Number Suffix: AR AST Number Suffix:

# Contact Name/Title: WALTER C HAYHURST SR 322 N FULTON ST 1/4-1/2 WHARTON, TX 77488 0.412 mi. 2173 ft. Site 2 of 2 in cluster B LPST: **Relative:**

	El OT:
Higher	Facility ID:
Actual:	LPST Id:
101 ft.	Facility Location:
	TCEQ Region# and City:
	Region City:
	Reported Date:
	Entered Date:

**B8** 

1

NNE

Not reported 98174 Not reported **REGION 12 - HOUSTON** Not reported 06/27/1991 03/07/1991

LPST U001250802 UST

U001279196

N/A

EDR ID Number **EPA ID Number** 

Database(s)

#### WALTER C HAYHURST SR (Continued)

Priority:

Status:

Program:

CA Status:

Reported Date:

4A - SOIL CONTAMINATION ONLY REQUIRES FULL SITE ASSESSMENT RAP 2 - REGION 6A - FINAL CONCURRENCE ISSUED Priority Description: Not reported Not reported Coordinators Primary: Not reported Coordinators RPR: Not reported Responsible Party Name: Not reported **Responsible Party Contact:** Not reported Responsible Party Address: Not reported Responsible Party City, St, Zip: Not reported Responsible Party Telephone: Not reported 12/17/1990 Case Start Date: 12/03/1990

#### UST:

AI Number: Facility Type: Facility Begin Date: Facility Status: Additional ID: Facility Exempt Status: Records Off-Site: UST Financial Assurance Required: Number Of Active UST: Site Location Description: Site Location (Nearest City Name): Site Location (County Name): Site Location (Tceq Region): Site Location (Location Zip): Contact Name/Title: Contact Organization Name: Contact Mailing Address1: Contact Mailing Address2: Contact Mailing City/State/Zip: Contact Telephone: Facility Contact Address Deliverable: Contact Fax Number: Contact Email Address: Signature Date On Earliest Reg Form: Signature Name/Title On Earliest Reg Form: Application Received Date On Earliest Reg Form: Signature Role On Earliest Reg Form: Signature Company On Earliest Reg Form: **Enforcement Action:** Facility Not Inspectable: Owner: Owner CN: Owner Last Name: **Owner First Name:** 

Owner Middle Name:

Contact Mailing City:

Contact Mailing State:

Contact Mailing Address (Delivery):

Contact Mailing Address (Internal Delivery):

Owner Type:

15513 RETAIL 08/15/1986 INACTIVE 895303952002087 Ν No No 0 Not reported Not reported WHARTON 12 77485 WALTER HAYHURST, OWNER WALTER C HAYHURST SR Not reported Not reported Not reported 4095323950 Not reported Not reported Not reported 04/15/1986 WALTER HAYHURST, OWNER 05/08/1986 Not reported Not reported Not reported No CN600967640 HAYHURST WALTER C SR Not reported Not reported OR Not reported Not reported Not reported

Not reported

Database(s)

EDR ID Number EPA ID Number

### WALTER C HAYHURST SR (Continued)

ALTER O HATTIONOT ON (Communday)	
Contact Mailing Zip:	Not reported
Contact Mailing Zip5:	Not reported
Contact Phone Number/Ext:	
Contact Fax Country Code:	Not reported
Contact Fax Number/Ext:	/
Contact Email Address:	Not reported
Contact Address Deliverable:	Not reported
Princ ID:	885303952002087
Additional ID:	895303952002087
Al Number:	15513
Owner Effective Begin Date:	08/15/1986
State Tax ID:	Not reported
Contact Role:	Not reported
Contact Name/Title:	/
Contact Organization Name:	, Not reported
Contact Organization Name.	Not reported
Tasla	
Tank:	01/01/1021
Install Date:	01/01/1931
Tank Registration Date:	05/08/1986
Number of Compartments:	1
Tank Capacity:	560
Tank Singlewall:	N
Tank Doublewall:	N
Pipe Type:	Not reported
UST ID:	39763
Facility ID:	54219
Ai Number:	15513
Tank Id:	5
Tank Status (Current):	PERM FILLED IN PLACE
Tank Status Date:	01/01/1931
Empty:	
Tank Regulatory Status:	FULLY REGULATED
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	N
Piping Design (Double Wall):	N
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	N
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	N
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	N
Tank Material (Steel):	Y
Tank Material(Frp(Fiberglass-Reinforced Plastic):	N
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	N
Tank Mat(Concrete):	N
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel):	N
Piping Mat(Frp(Fiberglass Reinforced Plastic):	N
Piping Mat(Concrete):	N
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
Piping Mat(Nonmetallic Flex Piping):	N
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	N
Piping Connect/Valves (Steel Swing-Joints (End Of Piping)):	N
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	Ν

Database(s)

EDR ID Number EPA ID Number

### WALTER C HAYHURST SR (Continued)

ALIEN CHATTONST SN (Continued)	
TCPM(Cathodic Prot-FacInstallation):	Ν
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	Ν
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	Ν
TCPM(FRP Tank Or Piping(Noncorrodible)):	Ν
TCPM(Ext Nonmetallic Jacket):	Ν
TCPMeth(Unnecessary Per Corrosion Prot Spec):	Ν
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
PCPM(Nonmetallic FlexPiping (Noncorrodible)): PCPMeth(Isolated Open Area/2nd Containment):	N N
PCPM (Dual Protected):	N
PCPM(Unnec Per Corrosion Prot Specialist):	N
Tank Corr Prot Compliance Flag:	N
Piping Corr Prot Compliance Flag:	N
Tank Corrosion Prot Variance:	N
Piping Corrosion Prot Variance:	Ν
Temp Out Of Service Compliance:	Ν
Technical Compliance Flag:	Ν
Tank Tested Flag:	Ν
Installation Signature Date:	10/29/1990
Compartment Records:	
Tank ID:	5
Tank Capacity:	Not reported
UST Comprt ID:	52072
UST ID:	39763
AI Number:	15513
Compartment ID:	A
Substance Stored1:	EMPTY
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	N
CRDM(GW Monitoring):	N
CRDM(Monitoring Of Secondary Cont Barrier):	N
CRDM(Auto Tank Gauge Test/Inv Control):	N
CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N N
CRDM(Why Mandal Gauging(Tanks<=1000 G). CRDM(Mthly Tank Gauging(Emer Gen Tanks):	N
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	N
PipingReleaseDetectionMethod(PRDM)(Vapor):	N
PRDM(Groundwater Monitoring):	N
PRDM(Monitoring Sec Containment Barrier):	Ν
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	Ν
PRDM(Mthly Piping Tightness Test)@.2Gph:	Ν
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	Ν
PRDM(TriennialTightTest(Suction/GravityPiping):	Ν
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	Ν
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction:	N
Spill Overfill Prevention Equip(SOPE):	N
SOPE(Spill Cont/Bucket/Sump):	N N
SOPE(DelShut-Off Valve) ):	N N
SOPE(FlowRestrictorValue: SOPE(Alarm (Set@<=90%) W/3a Or 3b:	N
SOPE(N/A Deliveries To Tank<=25G):	N
Compartment Release Det Compliance Flag:	N

Database(s)

EDR ID Number EPA ID Number

### WALTER C HAYHURST SR (Continued)

Piping Release Detection Compliance Flag ): Spill/OverfillPreventionCompliance Flag: Compartment Release Detection Variance: Piping Release Detection Variance: Spill And Overfill Prevention Variance: Stage I Vapor Recovery: Stage 1 Installation Date:	N N N N Not reported Not reported
Install Date: Tank Registration Date: Number of Compartments: Tank Capacity: Tank Singlewall: Tank Doublewall:	01/01/1931 05/08/1986 1 560 N N
Pipe Type: UST ID: Facility ID: Ai Number: Tank Id: Tank Status (Current):	Not reported 39764 54219 15513 4 PERM FILLED IN PLACE
Tank Status Date: Empty: Tank Regulatory Status: Tank Int Prot (Internal Tank Lining Date): Piping Design (Single Wall): Piping Design (Double Wall):	01/01/1931 N FULLY REGULATED Not reported N
Tank Ext Cont(Fac-Built Nonmetallic Jacket): Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner): Tank Ext Cont(Tank Vault/Rigid Trench Liner): Piping Ext Cont(Fac-Built Nonmetallic Jacket): Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner): Piping Ext Cont(Tank Vault/Rigid Trench Liner):	N N N N N
Tank Material (Steel): Tank Material(Frp(Fiberglass-Reinforced Plastic): Tank Mat(Composite (Steel W/Ext Frp Cladding)): Tank Mat(Concrete): Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)): Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	Y N N N N
Piping Material (Steel): Piping Mat(Frp(Fiberglass Reinforced Plastic): Piping Mat(Concrete): Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)): Piping Mat(Nonmetallic Flex Piping): PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	N N N N
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)): Piping Connect/Valves (Flex Connectors(Ends Of Piping)): Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation): TCPM (ExtDielectricCoat/Laminate/Tape/Wrap): TCPM(Cathodic Prot-FacInstallation):	N N N N N
TCPM(Composite Tank(Steel W/Frp Ext Laminate): TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate): TCPM(FRP Tank Or Piping(Noncorrodible)): TCPM(Ext Nonmetallic Jacket): TCPMeth(Unnecessary Per Corrosion Prot Spec): Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N N N N N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	Ν

Database(s)

EDR ID Number EPA ID Number

# WALTER C HAYHURST SR (Continued)

PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	Ν
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	Ν
PCPMeth(Isolated Open Area/2nd Containment):	N
PCPM (Dual Protected):	Ν
PCPM(Unnec Per Corrosion Prot Specialist):	Ν
Tank Corr Prot Compliance Flag:	Ν
Piping Corr Prot Compliance Flag:	Ν
Tank Corrosion Prot Variance:	Ν
Piping Corrosion Prot Variance:	Ν
Temp Out Of Service Compliance:	Ν
Technical Compliance Flag:	Ν
Tank Tested Flag:	Ν
Installation Signature Date:	10/29/1990
-	
Compartment Records:	
Tank ID:	4
Tank Capacity:	Not reported
UST Comprt ID:	52073
UST ID:	39764
AI Number:	15513
Compartment ID:	A
Substance Stored1:	EMPTY
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	N
CRDM(GW Monitoring):	N
CRDM(Monitoring Of Secondary Cont Barrier):	N
CRDM(Auto Tank Gauge Test/Inv Control):	N
CRDM(Interstitial Monitoring SecWall/Jacket):	N
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	N
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	N
PipingReleaseDetectionMethod(PRDM)(Vapor):	N
PRDM(Groundwater Monitoring):	N
PRDM(Monitoring Sec Containment Barrier):	N
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	N
PRDM(Mthly Piping Tightness Test)@.2Gph:	N
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	N
PRDM(TriennialTightTest(Suction/GravityPiping):	N
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction:	N
Spill Overfill Prevention Equip(SOPE):	N
SOPE(Spill Cont/Bucket/Sump):	N
SOPE(DelShut-Off Valve) ):	N
SOPE(FlowRestrictorValue:	N
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	N
SOPE(N/A Deliveries To Tank<=25G):	N
Compartment Release Det Compliance Flag:	N
Piping Release Detection Compliance Flag ):	N
Spill/OverfillPreventionCompliance Flag:	N
Compartment Release Detection Variance:	N
Piping Release Detection Variance:	N
Spill And Overfill Prevention Variance:	N Native enterd
Stage I Vapor Recovery:	Not reported
Stage 1 Installation Date:	Not reported

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Database(s)

EDR ID Number EPA ID Number

# WALTER C HAYHURST SR (Continued)

AL	TER C HATHORST SR (Continued)	
	Install Date:	01/01/1931
	Tank Registration Date:	05/08/1986
	Number of Compartments:	1
	Tank Capacity:	560
	Tank Singlewall:	Ν
	Tank Doublewall:	Ν
	Pipe Type:	Not reported
	UST ID:	39767
	Facility ID:	54219
	Ai Number:	15513
	Tank Id:	1
	Tank Status (Current):	REMOVED FROM GROUND
	Tank Status Date:	11/27/1990
	Empty:	Ν
	Tank Regulatory Status:	FULLY REGULATED
	Tank Int Prot (Internal Tank Lining Date):	Not reported
	Piping Design (Single Wall):	N
	Piping Design (Double Wall):	Ν
	Tank Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
	Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
	Tank Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
	Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
	Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
	Piping Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
	Tank Material (Steel):	Y
	Tank Material(Frp(Fiberglass-Reinforced Plastic):	N
	Tank Mat(Composite (Steel W/Ext Frp Cladding)):	Ν
	Tank Mat(Concrete):	N
	Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
	Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
	Piping Material (Steel):	N
	Piping Mat(Frp(Fiberglass Reinforced Plastic):	N
	Piping Mat(Concrete):	N
	Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
	Piping Mat(Nonmetallic Flex Piping):	N
	PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	N
	Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
	Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
	Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
	TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
	TCPM(Cathodic Prot-FacInstallation):	N
	TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
	TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
	TCPM(FRP Tank Or Piping(Noncorrodible)):	N
	TCPM(Ext Nonmetallic Jacket):	N
	TCPMeth(Unnecessary Per Corrosion Prot Spec):	N
	Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
	Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
	PCPM(Cathodic Prot-Field Install):	N
	PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
	PCPM(Nonmetallic FlexPiping (Noncorrodible)):	N
	PCPMeth(Isolated Open Area/2nd Containment):	N
	PCPM (Dual Protected):	N
	PCPM(Unnec Per Corrosion Prot Specialist):	N
	Tank Corr Prot Compliance Flag:	N
	Piping Corr Prot Compliance Flag:	N
	Tank Corrosion Prot Variance:	Ν

Database(s)

EDR ID Number EPA ID Number

Piping Corrosion Prot Variance:	Ν	
Temp Out Of Service Compliance:	Ν	
Technical Compliance Flag:	Ν	
Tank Tested Flag:	Ν	
Installation Signature Date:	10/29/1990	
compartment Records:		
Tank ID:	1	
Tank Capacity:	560	
UST Comprt ID:	52076	
UST ID:	39767	
Al Number:	15513	
Compartment ID:		
Substance Stored1: Substance Stored2:	GASOLINE	
Substance Stored3:	Not reported Not reported	
	N	
CompartmentReleaseDetectionMethod(Vapor): CRDM(GW Monitoring):	N	
CRDM(Monitoring Of Secondary Cont Barrier):	N	
CRDM(Auto Tank Gauge Test/Inv Control):	N	
CRDM(Interstitial Monitoring SecWall/Jacket):	N	
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N	
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	N	
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	N	
PipingReleaseDetectionMethod(PRDM)(Vapor):	N	
PRDM(Groundwater Monitoring):	Ν	
PRDM(Monitoring Sec Containment Barrier):	Ν	
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	Ν	
PRDM(Mthly Piping Tightness Test)@.2Gph:	Ν	
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	Ν	
PRDM(TriennialTightTest(Suction/GravityPiping):	Ν	
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N	
PRDM(Sir(StatInv Recon)/Inv Control)):	Ν	
PRDM(Exempt System Suction:	Ν	
Spill Overfill Prevention Equip(SOPE):	N	
SOPE(Spill Cont/Bucket/Sump):	N	
SOPE(DelShut-Off Valve) ):	N	
SOPE(FlowRestrictorValue:	N	
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	N	
SOPE(N/A Deliveries To Tank<=25G):	N	
Compartment Release Det Compliance Flag:	N N	
Piping Release Detection Compliance Flag ): Spill/OverfillPreventionCompliance Flag:	N N	
Compartment Release Detection Variance:	N	
Piping Release Detection Variance:	N	
Spill And Overfill Prevention Variance:	N	
Stage I Vapor Recovery:	Not reported	
Stage 1 Installation Date:	Not reported	
Install Date:	01/01/1931	
Tank Registration Date:	05/08/1986	
Number of Compartments:	1	
Tank Capacity:	560	
Tank Singlewall:	Ν	
Tank Doublewall:	Ν	
Ріре Туре:	Not reported	
UST ID:	39766	

Database(s)

EDR ID Number EPA ID Number

# WALTER C HAYHURST SR (Continued)

Facility ID:	54219
Ai Number:	15513
Tank Id:	2
Tank Status (Current):	REMOVED FROM GROUND
Tank Status Date:	11/27/1990
Empty:	N
Tank Regulatory Status:	FULLY REGULATED
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	Ν
Piping Design (Double Wall):	Ν
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	N
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
Tank Material (Steel):	Υ
Tank Material(Frp(Fiberglass-Reinforced Plastic):	Ν
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	Ν
Tank Mat(Concrete):	Ν
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	Ν
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	Ν
Piping Material (Steel):	Ν
Piping Mat(Frp(Fiberglass Reinforced Plastic):	Ν
Piping Mat(Concrete):	Ν
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	Ν
Piping Mat(Nonmetallic Flex Piping):	Ν
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	Ν
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	Ν
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	Ν
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	Ν
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	Ν
TCPM(Cathodic Prot-FacInstallation):	Ν
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	Ν
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	Ν
TCPM(FRP Tank Or Piping(Noncorrodible)):	Ν
TCPM(Ext Nonmetallic Jacket):	Ν
TCPMeth(Unnecessary Per Corrosion Prot Spec):	Ν
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	Ν
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	Ν
PCPM(Cathodic Prot-Field Install):	Ν
PCPMethod (FRP Tank Or Piping(Noncorrodible):	Ν
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	Ν
PCPMeth(Isolated Open Area/2nd Containment):	Ν
PCPM (Dual Protected):	Ν
PCPM(Unnec Per Corrosion Prot Specialist):	Ν
Tank Corr Prot Compliance Flag:	Ν
Piping Corr Prot Compliance Flag:	Ν
Tank Corrosion Prot Variance:	Ν
Piping Corrosion Prot Variance:	Ν
Temp Out Of Service Compliance:	Ν
Technical Compliance Flag:	Ν
Tank Tested Flag:	Ν
Installation Signature Date:	10/29/1990
-	
Compartment Records: Tank ID:	2
Tank D. Tank Capacity:	2 560
rank Japaony.	500

Database(s)

EDR ID Number EPA ID Number

# WALTER C HAYHURST SR (Continued)

Stage   Vapor Recovery: Not reported	UST Comprt ID: UST ID: AI Number: Compartment ID: Substance Stored1: Substance Stored2: Substance Stored3: CompartmentReleaseDetectionMethod(Vapor): CRDM(GW Monitoring): CRDM(GW Monitoring): CRDM(Monitoring Of Secondary Cont Barrier): CRDM(Auto Tank Gauge Test/Inv Control): CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Kir (Stat Inv Reconciliation)/Inv Control): PipingReleaseDetectionMethod(PRDM)(Vapor): PRDM(Groundwater Monitoring): PRDM(Groundwater Monitoring): PRDM(Groundwater Monitoring): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(Monitoring Sec Containment Barrier): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(Monitoring Sec Containment Barrier): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(Sir(Stathv Recon)/Inv Control)): PRDM(Sir(Stathv Recon)/Inv Control)): PRDM(Exempt System Suction: Spill Overfill Prevention Equip(SOPE): SOPE(Spill Cont/Bucket/Sump): SOPE(FlowRestrictorValue: SOPE(Alarm (Set@<=90%) W/3a Or 3b: SOPE(N/A Deliveries To Tank<=25G): Compartment Release Det Compliance Flag: Piping Release Detection Compliance Flag: Piping Release Detection Variance: Piping Release Detection Variance: Piping Release Detection Variance: Piping Release Detection Variance: Spill And Overfill Prevention Variance:	52075 39766 15513 A GASOLINE Not reported Not reported N N N N N N N N N N N N N
		N Not reported
	Install Date: Tank Registration Date: Number of Compartments: Tank Capacity: Tank Singlewall: Tank Doublewall: Pipe Type: UST ID: Facility ID: Ai Number: Tank Id: Tank Status (Current): Tank Status Date: Empty: Tank Regulatory Status: Tank Int Prot (Internal Tank Lining Date):	01/01/1931 05/08/1986 1 560 N N Not reported 39765 54219 15513 3 PERM FILLED IN PLACE 01/01/1931 N FULLY REGULATED Not reported
Tank Registration Date:05/08/1986Number of Compartments:1Tank Capacity:560Tank Singlewall:NTank Doublewall:NPipe Type:Not reportedUST ID:39765Facility ID:54219Ai Number:15513Tank Id:3Tank Status (Current):PERM FILLED IN PLACETank Status Date:01/01/1931Empty:NTank Regulatory Status:FULLY REGULATED	- · ·	-

Database(s)

EDR ID Number EPA ID Number

# WALTER C HAYHURST SR (Continued)

Piping Design (Single Wall): Piping Design (Double Wall): Tank Ext Cost(Eac Puilt Nonmetallia, locket):	N N N
Tank Ext Cont(Fac-Built Nonmetallic Jacket): Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	N
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
Tank Material (Steel):	Y
Tank Material(Frp(Fiberglass-Reinforced Plastic):	N
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	N
Tank Mat(Concrete): Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N N
Tank Mat(Coated (Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel):	N
Piping Mat(Frp(Fiberglass Reinforced Plastic):	N
Piping Mat(Concrete):	Ν
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	Ν
Piping Mat(Nonmetallic Flex Piping):	Ν
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	Ν
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation): TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM (ExtDielectricCoal/Laminate/Tape/Wrap). TCPM(Cathodic Prot-FacInstallation):	N N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
TCPM(FRP Tank Or Piping(Noncorrodible)):	N
TCPM(Ext Nonmetallic Jacket):	Ν
TCPMeth(Unnecessary Per Corrosion Prot Spec):	Ν
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
PCPM(Nonmetallic FlexPiping (Noncorrodible)): PCPMeth(Isolated Open Area/2nd Containment):	N N
PCPM (Dual Protected):	N
PCPM(Unnec Per Corrosion Prot Specialist):	N
Tank Corr Prot Compliance Flag:	Ν
Piping Corr Prot Compliance Flag:	Ν
Tank Corrosion Prot Variance:	Ν
Piping Corrosion Prot Variance:	N
Temp Out Of Service Compliance:	N
Technical Compliance Flag:	N
Tank Tested Flag: Installation Signature Date:	N 10/29/1990
	10/23/1330
Compartment Records:	
Tank ID:	3 Native and a stand
Tank Capacity: UST Comprt ID:	Not reported 52074
UST ID:	39765
Al Number:	15513
Compartment ID:	A
Substance Stored1:	EMPTY
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	Ν

Database(s)

EDR ID Number EPA ID Number

#### WALTER C HAYHURST SR (Continued)

CRDM(GW Monitoring): CRDM(Monitoring Of Secondary Cont Barrier): CRDM(Auto Tank Gauge Test/Inv Control): CRDM(Interstitial Monitoring SecWall/Jacket): CRDM(Wkly Manual Gauging(Tanks<=1000 G): CRDM(Wkly Manual Gauging(Tanks<=1000 G): CRDM(Wkly Tank Gauging(Emer Gen Tanks): CRDM(Sir (Stat Inv Reconciliation)/Inv Control): PipingReleaseDetectionMethod(PRDM)(Vapor): PRDM(Groundwater Monitoring): PRDM(Monitoring Sec Containment Barrier): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(InterstitialMonitoring w/in SecWall/Jacket): PRDM(Sir(Statlnv Recon)/Inv Control)): PRDM(Sir(Statlnv Recon)/Inv Control)): PRDM(Exempt System Suction: Spill Overfill Prevention Equip(SOPE): SOPE(Spill Cont/Bucket/Sump): SOPE(CleIShut-Off Valve) ): SOPE(IowRestrictorValue: SOPE(Alarm (Set@<=90%) W/3a Or 3b: SOPE(Alarm (Set@<=90%) W/3a Or 3b: SOPE(N/A Deliveries To Tank<=25G): Compartment Release Det Compliance Flag: Piping Release Detection Compliance Flag: Piping Release Detection Variance: Spill/OverfillPreventionCompliance Flag: Piping Release Detection Variance: Spill And Overfill Prevention Variance:	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
•	

Facility Billing Contacts: Contact Organization Name: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City/State/Zip: Phone Number/Ext: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Facility ID: Additional ID: Princ ID: AI Number: Facility Name: AR Number: AR UST Number Suffix: AR AST Number Suffix: Contact Name/Title:

HAYHURST WALTER C SR 607 UNIVERSITY ST Not reported WHARTON, TX 77488 2938 1 1 Not reported Y 54219 895303952002087 885303952002087 15513 WALTER C HAYHURST SR Not reported Not reported Not reported WALTER HAYHURST/

Database(s)

EDR ID Number EPA ID Number

9				CLI	S104731341
WSW 1/4-1/2	, тх				N/A
0.428 mi.	, 17				
2262 ft.					
Relative:	CLI:				
Higher	Facility ID:	855			
Actual:	Facility Name2:	Not reporte			
103 ft.	Site Status: Date Recieved:	GRANDFA 19760430	THER SITE		
	County:	Wharton			
	Region:	Corpus Chi	risti		
	Near City:	WHARTON			
	Organic Acres:	37.00			
	Area Served:	WHARTON	N & AREA		
	Population Srvd:	12000			
	Tons per Day:	30			
	Yards per Day: Permit Status:	0.00 CT			
	Removal Status:		ATED 8-17-93		
	Status Date:	*****			
	Engineer:	MDG			
	Source:	2			
	Source Code:	Not reporte			
	Date Opened:	Not reporte			
	Date Closed: Size - Acres:	Not reporte Not reporte			
	Size - Cubic Yrds:	Not reporte			
	Lat Deg:	29	-		
	Lat Min:	18.27			
	Long Deg:	96			
	Long Min:	6.47			
	Lat/Long (deg):		/ -96.107833		
	Owner: Owner Address:	WHARTON P.O. BOX 1			
	Owner C,S,Z:		J, TX 77488		
	Business Type:	CITY			
	Facility Type:	1			
	Version of Amendment:		Not reported		
	Extra Territorial Jurisdiction	n:	IN CITY LIMITS		
	Applicant Name:		WHARTON, CITY OF		
	Applicant Address: Applicant City,St,Zip:		PO BOX 1026 WHARTON, TX 77488		
	Applicant Phone:		713 5322491		
	Est Cleanup Date:		19910401		
	River Basin Code:		14		
	Earliest Date in the Record		19630101		
	Last Date in Records Site				
	Texas Counsil of Governm		16 Not reported		
	Texas Water Commision D Code for Landfill:	Istrict Code.	1		
	Parties:		Not reported		
	Accepts House Hold:		Not reported		
	Accepts Construction Dem	olition:	Not reported		
	Accepts Industrial Waste:		Not reported		
	Accepts Tires:		Not reported		
	Accepts Agriculture:		Not reported		
	Accepts Brush:		Not reported		

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number** 

S104731341

#### (Continued)

Accepts Other:	Not reported
Accepts Other Description:	Not reported
Haz Waste Unlikey:	Not reported
Haz Waste Probably:	Not reported
Haz Waste Likey:	Not reported
Legal:	Not reported
Maximum Depth:	Not reported
Depth Code:	Not reported
Final Cover Has Been Applied:	Not reported
Minimun Thickness of Final Cover:	Not reported
In Use Inspector:	Not reported
Inspc Comments:	Not reported
Comments:	Not reported
Update:	2
Reviewer:	PERMIT ISSUED 19790315/ LCRA GEOCODE/ SITE ADJ COLO. R
Flag:	Not reported

#### C10 VON WIL FORD INC North 316 N RICHMOND ROAD WHARTON, TX 77488

LPST:

1/4-1/2 0.455 mi. 2400 ft.

#### Site 1 of 2 in cluster C

Facility ID:

Region City:

Reported Date:

Priority Description:

Coordinators RPR:

Reported Date:

Case Start Date:

Coordinators Primary:

Responsible Party Name:

Responsible Party Contact:

Responsible Party Address:

Entered Date:

Priority: Program:

Status:

CA Status:

Facility Location:

TCEQ Region# and City:

LPST Id:

**Relative:** Higher Actual: 102 ft.

0025312 105346 316 NORTH RICHMOND **REGION 12 - HOUSTON** HOUSTON 11/22/1996 01/08/1993 5 - MINOR SOIL CONTAMINATION - DOES NOT REQUIRE A RAP 1 - RPR 6A - FINAL CONCURRENCE ISSUED MINOR SOIL CONTAMINATION - DOES NOT REQUIRE A RAP FINAL CONCURRENCE ISSUED, CASE CLOSED 1/2 HLN Not reported Not reported 316 N RICHMOND Responsible Party City, St, Zip: WHARTON, TX 77488 Responsible Party Telephone: 409/552-4360 11/23/1992 11/20/1992 25312

### UST:

AI Number: Facility Type: Facility Begin Date: Facility Status: Additional ID: Facility Exempt Status: Records Off-Site: UST Financial Assurance Required: Number Of Active UST: Site Location Description:

RETAIL 10/07/1986 INACTIVE 411723312002152 Ν No No 0 Not reported

LPST 1000140092 TXD044451698

UST **RCRA NonGen / NLR** FINDS **ECHO** 

Database(s)

EDR ID Number EPA ID Number

#### VON WIL FORD INC (Continued)

Site Location (Nearest City Name): Site Location (County Name): Site Location (Tceq Region): Site Location (Location Zip): Contact Name/Title: Contact Organization Name: Contact Mailing Address1: Contact Mailing Address2: Contact Mailing City/State/Zip: Contact Telephone: Facility Contact Address Deliverable: Contact Fax Number: Contact Email Address: Signature Date On Earliest Reg Form: Signature Name/Title On Earliest Reg Form: Application Received Date On Earliest Reg Form: Signature Role On Earliest Reg Form: Signature Company On Earliest Reg Form: **Enforcement Action:** Facility Not Inspectable:

Owner:

Owner CN: Owner Last Name: **Owner First Name:** Owner Middle Name: Owner Type: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City: Contact Mailing State: Contact Mailing Zip: Contact Mailing Zip5: Contact Phone Number/Ext: Contact Fax Country Code: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Princ ID: Additional ID: AI Number: Owner Effective Begin Date: State Tax ID: Contact Role: Contact Name/Title: Contact Organization Name:

#### Tank:

Install Date: Tank Registration Date: Number of Compartments: Tank Capacity: Tank Singlewall: Tank Doublewall: Pipe Type: UST ID: Facility ID:

Not reported WHARTON 12 77488 JEANNE HARTZOG, VON WIL FORD Not reported Not reported Not reported 4095324360 Not reported Not reported Not reported 04/15/1986 ROBERT VONDERAU, PRES 05/08/1986 Not reported Not reported Not reported No CN600267108 VON-WIL FORD INC Not reported Not reported OR Not reported 945304362001297 411723312002152 25312 10/07/1986 17409698473 Not reported Not reported 01/01/1967 05/08/1986 1 500 Y Ν Not reported

65045

45926

Database(s)

EDR ID Number EPA ID Number

# VON WIL FORD INC (Continued)

Ai Number:	25312
Tank Id:	2
Tank Status (Current):	REMOVED FROM GROUND
Tank Status Date:	11/19/1992
Empty:	Ν
Tank Regulatory Status:	FULLY REGULATED
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	N
Piping Design (Double Wall):	Ν
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	N
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	N
Tank Material (Steel):	Y
Tank Material (Frp(Fiberglass-Reinforced Plastic):	N
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	N
Tank Mat(Concrete):	N
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel):	N
Piping Mat(Frp(Fiberglass Reinforced Plastic):	N
Piping Mat(Concrete):	N
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
Piping Mat(Nonmetallic Flex Piping):	N
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	N
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM(Cathodic Prot-FacInstallation):	N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/Ftp ExtPolyurethaneLaminate):	N
	N
TCPM(FRP Tank Or Piping(Noncorrodible)): TCPM(Ext Nonmetallic Jacket):	N
	N
TCPMeth(Unnecessary Per Corrosion Prot Spec): Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N N
PCPM(Cathodic Prot-Field Install):	
PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	N
PCPMeth(Isolated Open Area/2nd Containment):	N
PCPM (Dual Protected):	N
PCPM(Unnec Per Corrosion Prot Specialist):	N
Tank Corr Prot Compliance Flag:	N
Piping Corr Prot Compliance Flag:	N
Tank Corrosion Prot Variance:	N
Piping Corrosion Prot Variance:	N
Temp Out Of Service Compliance:	N
Technical Compliance Flag:	N
Tank Tested Flag:	N
Installation Signature Date:	02/01/1991
Compartment Records:	
Tank ID:	2
Tank Capacity:	500
UST Comprt ID:	23934

Database(s)

EDR ID Number EPA ID Number

# VON WIL FORD INC (Continued)

UST ID:	65045
Al Number:	25312
Compartment ID:	A
Substance Stored1:	USED OIL
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	N
CRDM(GW Monitoring):	N
CRDM(Monitoring Of Secondary Cont Barrier):	N
CRDM(Auto Tank Gauge Test/Inv Control):	N
CRDM(Interstitial Monitoring SecWall/Jacket):	N
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	Ν
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	Ν
	N
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	
PipingReleaseDetectionMethod(PRDM)(Vapor):	N
PRDM(Groundwater Monitoring):	N
PRDM(Monitoring Sec Containment Barrier):	N
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	Ν
PRDM(Mthly Piping Tightness Test)@.2Gph:	Ν
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	N
PRDM(TriennialTightTest(Suction/GravityPiping):	N
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction:	Ν
Spill Overfill Prevention Equip(SOPE):	Ν
SOPE(Spill Cont/Bucket/Sump):	Ν
SOPE(DelShut-Off Valve) ):	N
SOPE(FlowRestrictorValue:	N
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	Ν
SOPE(N/A Deliveries To Tank<=25G):	N
Compartment Release Det Compliance Flag:	N
Piping Release Detection Compliance Flag ):	Ν
Spill/OverfillPreventionCompliance Flag:	Ν
Compartment Release Detection Variance:	N
•	N
Piping Release Detection Variance:	
Spill And Overfill Prevention Variance:	Ν
Stage I Vapor Recovery:	Not reported
Stage 1 Installation Date:	Not reported
Install Date:	01/01/1967
Tank Registration Date:	05/08/1986
5	
Number of Compartments:	1
Tank Capacity:	1000
Tank Singlewall:	Y
Tank Doublewall:	Ν
Pipe Type:	Not reported
UST ID:	65044
Facility ID:	45926
Ai Number:	25312
Tank Id:	1
Tank Status (Current):	REMOVED FROM GROUND
Tank Status Date:	11/16/1992
Empty:	Ν
Tank Regulatory Status:	FULLY REGULATED
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	N

Database(s)

EDR ID Number EPA ID Number

1000140092

# VON WIL FORD INC (Continued)

Piping Design (Double Wall):	Ν
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
Tank Material (Steel):	Υ
Tank Material(Frp(Fiberglass-Reinforced Plastic):	Ν
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	Ν
Tank Mat(Concrete):	Ν
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	Ν
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	Ν
Piping Material (Steel):	Υ
Piping Mat(Frp(Fiberglass Reinforced Plastic):	Ν
Piping Mat(Concrete):	Ν
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	Ν
Piping Mat(Nonmetallic Flex Piping):	Ν
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	Ν
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	Ν
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM(Cathodic Prot-FacInstallation):	N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
TCPM(FRP Tank Or Piping(Noncorrodible)):	N
TCPM(Ext Nonmetallic Jacket):	N
TCPMeth(Unnecessary Per Corrosion Prot Spec):	N
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	N
PCPMeth(Isolated Open Area/2nd Containment):	N
PCPM (Dual Protected):	N
PCPM(Unnec Per Corrosion Prot Specialist):	N
Tank Corr Prot Compliance Flag:	N
Piping Corr Prot Compliance Flag:	N
Tank Corrosion Prot Variance:	N
Piping Corrosion Prot Variance:	N
Temp Out Of Service Compliance:	N
Technical Compliance Flag:	N
Tank Tested Flag:	N
Installation Signature Date:	02/01/1991
Installation Signature Date.	02/01/1991
Compartment Records:	
Tank ID:	1
Tank Capacity:	1000
UST Comprt ID:	23933
UST ID:	65044
AI Number:	25312
Compartment ID:	А
Substance Stored1:	GASOLINE
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	N .
CRDM(GW Monitoring):	Ν

Database(s)

EDR ID Number EPA ID Number

### VON WIL FORD INC (Continued)

CRDM(Monitoring Of Secondary Cont Barrier):	Ν
CRDM(Auto Tank Gauge Test/Inv Control):	Ν
CRDM(Interstitial Monitoring SecWall/Jacket):	N
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	Ν
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	Ν
PipingReleaseDetectionMethod(PRDM)(Vapor):	Ν
PRDM(Groundwater Monitoring):	Ν
PRDM(Monitoring Sec Containment Barrier):	Ν
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	Ν
PRDM(Mthly Piping Tightness Test)@.2Gph:	Ν
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	Ν
PRDM(TriennialTightTest(Suction/GravityPiping):	Ν
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	Ν
PRDM(Sir(StatInv Recon)/Inv Control)):	Ν
PRDM(Exempt System Suction:	N
Spill Overfill Prevention Equip(SOPE):	N
SOPE(Spill Cont/Bucket/Sump):	Ν
SOPE(DelShut-Off Valve) ):	N
SOPE(FlowRestrictorValue:	N
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	N
SOPE(N/A Deliveries To Tank<=25G):	N
Compartment Release Det Compliance Flag:	N
Piping Release Detection Compliance Flag ):	N
Spill/OverfillPreventionCompliance Flag:	N
Compartment Release Detection Variance:	N
Piping Release Detection Variance:	N
Spill And Overfill Prevention Variance:	N
Stage I Vapor Recovery:	Not reported
Stage 1 Installation Date:	Not reported

Facility Billing Contacts: Contact Organization Name: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City/State/Zip: Phone Number/Ext: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Facility ID: Additional ID: Princ ID: AI Number: Facility Name: AR Number: AR UST Number Suffix: AR AST Number Suffix: Contact Name/Title:

VON WIL FORD INC 316 N RICHMOND RD Not reported WHARTON, TX 77488 3840 / 1 Not reported Y 45926 411723312002152 945304362001297 25312 VON WIL FORD Not reported Not reported Not reported JEANNE HARTZOG/

 RCRA NonGen / NLR:

 Date form received by agency: 09/02/2003

 Facility name:
 VON WIL FORD INC

 Facility address:
 316 N RICHMOND ROAD

Database(s)

EDR ID Number EPA ID Number

#### 1000140092

#### VON WIL FORD INC (Continued)

	WHARTON, TX 77488
EPA ID:	TXD044451698
Mailing address:	N RICHMOND ROAD
	WHARTON, TX 77488
Contact:	JEANNE VONDER AU
Contact address:	N RICHMOND ROAD
	WHARTON, TX 77488
Contact country:	US
Contact telephone:	409-532-4360
Contact email:	Not reported
EPA Region:	06
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste
Handler Activities Summary:	
U.S. importer of hazardous wa	aste: No
Mixed waste (haz. and radioa	
Recycler of hazardous waste:	,
Transporter of hazardous was	
Treater, storer or disposer of I	
Underground injection activity	

#### On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No Waste code: D001 **IGNITABLE WASTE** Waste name: Waste code: D006 . Waste name: CADMIUM Waste code: D007 . CHROMIUM Waste name: . Waste code: D008 Waste name: LEAD Waste code: D018 BENZENE Waste name: Waste code: D022 . Waste name: CHLOROFORM Waste code: D028 Waste name: 1,2-DICHLOROETHANE

Waste code:	D039
Waste name:	TETRACHLOROETHYLENE

Waste code:	D040
Waste name:	TRICHLORETHYLENE

ON WIL FORD INC (Continued)	1000140092
. Waste code: . Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Historical Generators:	
Date form received by agency Site name:	VON-WIL FORD INC
Classification:	Small Quantity Generator
. Waste code:	
. Waste name:	IGNITABLE WASTE
. Waste code: . Waste name:	F003 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. Waste code: . Waste name:	F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Violation Status:	No violations found
FINDS:	
Registry ID:	110005048439

Environmental Interest/Information System

EDR ID Number Database(s) EPA ID Number

	VON WIL FORD INC (Continued)		1000140092
	Conservation events and ac and treat, stor program staff	a national information system that supports the Resource and Recovery Act (RCRA) program through the tracking of tivities related to facilities that generate, transport, re, or dispose of hazardous waste. RCRAInfo allows RCRA to track the notification, permit, compliance, and ion activities required under RCRA.	
		erlink while viewing on your computer to access IDS: detail in the EDR Site Report.	
	ECHO:		
	Envid: Registry ID:	1000140092 110005048439	
	DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005048439	
		http://echo.epa.gov/detailed-raciiity-report?iid=110003046439	
C11 North 1/4-1/2 0.459 mi.	MARTINEZ TIRE REPAIR 317 N RICHMOND RD WHARTON, TX	LPST	S120802926 N/A
2426 ft.	Site 2 of 2 in cluster C		
Relative:	LPST:		
Higher	Facility ID:	Not reported	
Actual:	LPST Id:	120283	
102 ft.	Facility Location:	Not reported	
	TCEQ Region# and City:	REGION 12 - HOUSTON	
	Region City:	Not reported	
	Reported Date:	10/09/2017	
	Entered Date:	07/18/2017	
	Priority:	4.2 - NO GW IMPACT NO APPARENT THREATS OR IMPACTS TO I	RECEPTORS
	Program:	1 - RPR	
	CA Status:	6A - FINAL CONCURRENCE ISSUED	
	Priority Description:	Not reported	
	Status:	Not reported	
	Coordinators Primary:	Not reported	
	Coordinators RPR:	Not reported	
	Responsible Party Name:	Not reported	
	Responsible Party Contact:	Not reported	
	Responsible Party Address:	Not reported	
	Responsible Party City,St,Zip:	Not reported	
	Responsible Party Telephone:	Not reported	
	Reported Date:	05/19/2017	
	Case Start Date:	05/12/2017	
D12		US BROWNFIELDS FINDS	1016307138 N/A
1/4-1/2	404 RICHMOND ROAD WHARTON, TX 77488		
1/4-1/2 0.490 mi.	WHARTON, TX 77488		
1/4-1/2 0.490 mi. 2586 ft.	WHARTON, TX 77488 Site 1 of 4 in cluster D		
1/4-1/2 0.490 mi. 2586 ft. Relative:	WHARTON, TX 77488 Site 1 of 4 in cluster D US BROWNFIELDS:		
1/4-1/2 0.490 mi. 2586 ft. Relative: Higher	WHARTON, TX 77488 Site 1 of 4 in cluster D US BROWNFIELDS: Property Name:	NORTH RICHMOND ROAD	
1/4-1/2 0.490 mi. 2586 ft. Relative: Higher Actual:	WHARTON, TX 77488 Site 1 of 4 in cluster D US BROWNFIELDS: Property Name: Recipient Name:	R6 Brownfields TBA (previously Superfund TBA)	
North 1/4-1/2 0.490 mi. 2586 ft. Relative: Higher Actual: 103 ft.	WHARTON, TX 77488 Site 1 of 4 in cluster D US BROWNFIELDS: Property Name:		

Database(s)

EDR ID Number EPA ID Number

#### NORTH RICHMOND ROAD (Continued)

Parcel size: Latitude: Longitude: HCM Label: Map Scale: Point of Reference: Highlights: Datum: Acres Property ID: IC Data Access: Start Date: Redev Completition Date: Completed Date: Acres Cleaned Up: **Cleanup Funding:** Cleanup Funding Source: Assessment Funding: Assessment Funding Source: Redevelopment Funding: Redev. Funding Source: Redev. Funding Entity Name: Redevelopment Start Date: Assessment Funding Entity: **Cleanup Funding Entity:** Grant Type: Accomplishment Type: Accomplishment Count: **Cooperative Agreement Number:** Start Date: Ownership Entity: Completion Date: Current Owner: Did Owner Change: Cleanup Required: Video Available: Photo Available: Institutional Controls Required: IC Category Proprietary Controls: IC Cat. Info. Devices: IC Cat. Gov. Controls: IC Cat. Enforcement Permit Tools: IC in place date: IC in place: State/tribal program date: State/tribal program ID: State/tribal NFA date: Air contaminated: Air cleaned: Asbestos found: Asbestos cleaned: Controled substance found: Controled substance cleaned: Drinking water affected: Drinking water cleaned: Groundwater affected: Groundwater cleaned: Lead contaminant found:

.51 29.314705 -96.101500 Address Matching-House Number Not reported Entrance Point of a Facility or Station Not reported North American Datum of 1983 10904 Not reported US EPA - TBA Funding Not reported Not reported Not reported Not reported EPA Not reported Hazardous Phase II Environmental Assessment 0 n/a 05/01/2002 00:00:00 Government 05/01/2002 00:00:00 City of Wharton Not reported Ν Ν Υ Ν Not reported Not reported Not reported Not reported Not reported Ν 03/02/2012 00:00:00 G138 Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

#### NORTH RICHMOND ROAD (Continued)

Lead cleaned up: No media affected: Unknown media affected: Other cleaned up: Other metals found: Other metals cleaned: Other contaminants found: Other contams found description: PAHs found: PAHs cleaned up: PCBs found: PCBs cleaned up: Petro products found: Petro products cleaned: Sediments found: Sediments cleaned: Soil affected: Soil cleaned up: Surface water cleaned: VOCs found: VOCs cleaned: Cleanup other description: Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Past use residential acreage: Surface Water: Past use commercial acreage: Past use industrial acreage: Future use greenspace acreage: Future use residential acreage: Future use commercial acreage: Future use industrial acreage: Greenspace acreage and type: Superfund Fed. landowner flag: Arsenic cleaned up: Cadmium cleaned up: Chromium cleaned up: Copper cleaned up: Iron cleaned up: mercury cleaned up: Nickel Cleaned Up: No clean up: Pesticides cleaned up: Selenium cleaned up: SVOCs cleaned up: Unknown clean up: Arsenic contaminant found: Cadmium contaminant found: Chromium contaminant found: Copper contaminant found: Iron contaminant found: Mercury contaminant found: Nickel contaminant found: No contaminant found: Pesticides contaminant found: Selenium contaminant found: SVOCs contaminant found:

Not reported γ Not reported .51 Not reported Not reported Not reported .51 Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

NORTH RICHMOND ROAD (Continued)	1016307
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The now vacant property is a 0.51 acre lot historically used as a service station from 1951-1977 and owned by "Weaver's Bud Texaco Srevice Station". The land is now owned by the City of Wharton. The site is developed with the old service station from 1951 to 1995 as seen on aerial photographs, but is without structures in the 2004 and 2005 photographs.
Below Poverty Number:	273
Below Poverty Percent:	21.4%
Meidan Income:	4254
Meidan Income Number:	453
Meidan Income Percent:	35.5%
Vacant Housing Number:	120
Vacant Housing Percent:	23.3%
Unemployed Number:	38
Unemployed Percent:	3.0%
Property Name:	NORTH RICHMOND ROAD
Recipient Name:	Texas Commission on Environmental Quality
Grant Type:	Section 128(a) State/Tribal
Property Number:	Not reported
Parcel size:	.51
Latitude:	29.314705
Longitude:	-96.101500 Address Matching Llauss Number
HCM Label:	Address Matching-House Number
Map Scale: Point of Reference:	Not reported Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	10904
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	4349
Assessment Funding Source:	US EPA - State & Tribal Section 128(a) Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA Not see a start
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96671601
Start Date:	06/08/2012 00:00:00

Database(s)

EDR ID Number EPA ID Number

#### NORTH RICHMOND ROAD (Continued)

**Ownership Entity:** Completion Date: Current Owner: Did Owner Change: Cleanup Required: Video Available: Photo Available: Institutional Controls Required: IC Category Proprietary Controls: IC Cat. Info. Devices: IC Cat. Gov. Controls: IC Cat. Enforcement Permit Tools: IC in place date: IC in place: State/tribal program date: State/tribal program ID: State/tribal NFA date: Air contaminated: Air cleaned: Asbestos found: Asbestos cleaned: Controled substance found: Controled substance cleaned: Drinking water affected: Drinking water cleaned: Groundwater affected: Groundwater cleaned: Lead contaminant found: Lead cleaned up: No media affected: Unknown media affected: Other cleaned up: Other metals found: Other metals cleaned: Other contaminants found: Other contams found description: PAHs found: PAHs cleaned up: PCBs found: PCBs cleaned up: Petro products found: Petro products cleaned: Sediments found: Sediments cleaned: Soil affected: Soil cleaned up: Surface water cleaned: VOCs found: VOCs cleaned: Cleanup other description: Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Past use residential acreage: Surface Water: Past use commercial acreage: Past use industrial acreage: Future use greenspace acreage:

Government 07/02/2012 00:00:00 City of Wharton Not reported Ν Ν Υ Ν Not reported Not reported Not reported Not reported Not reported Ν 03/02/2012 00:00:00 G138 Not reported Y Not reported .51 Not reported Not reported

Not reported

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Not reported

Not reported

21.4% 4254 453 35.5% 120 23.3% 38 3.0%

.51

Database(s)

EDR ID Number EPA ID Number

#### NORTH RICHMOND ROAD (Continued)

Future use residential acreage: Future use commercial acreage: Future use industrial acreage: Greenspace acreage and type: Superfund Fed. landowner flag: Arsenic cleaned up: Cadmium cleaned up: Chromium cleaned up: Copper cleaned up: Iron cleaned up: mercury cleaned up: Nickel Cleaned Up: No clean up: Pesticides cleaned up: Selenium cleaned up: SVOCs cleaned up: Unknown clean up: Arsenic contaminant found: Cadmium contaminant found: Chromium contaminant found: Copper contaminant found: Iron contaminant found: Mercury contaminant found: Nickel contaminant found: No contaminant found: Pesticides contaminant found: Selenium contaminant found: SVOCs contaminant found: Unknown contaminant found: Future Use: Multistory Media affected Bluiding Material: Media affected indoor air: Building material media cleaned up: Indoor air media cleaned up: Unknown media cleaned up: Past Use: Multistory Property Description:

Deleus Deuents Number	
Below Poverty Number:	
Below Poverty Percent:	
Meidan Income:	
Meidan Income Number:	
Meidan Income Percent:	
Vacant Housing Number:	
Vacant Housing Percent:	
Unemployed Number:	
Unemployed Percent:	

# 1016307138

Not reported Not reported Not reported Not reported Not reported Not reported The now vacant property is a 0.51 acre lot historically used as a service station from 1951-1977 and owned by "Weaver's Bud Te

service station from 1951-1977 and owned by "Weaver's Bud Texaco Srevice Station". The land is now owned by the City of Wharton. The site is developed with the old service station from 1951 to 1995 as seen on aerial photographs, but is without structures in the 2004 and 2005 photographs. 273

### FINDS:

Registry ID:

110015337009

Environmental Interest/Information System

EDR ID Number Database(s) EPA ID Number

1016307138

### NORTH RICHMOND ROAD (Continued)

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D13 North 1/4-1/2 0.490 mi.	N RICHMOND RD PROPERTY 404 N RICHMOND RD WHARTON, TX 77488		BROWNFIELDS	S112199741 N/A
2586 ft.	Site 2 of 4 in cluster D			
Relative: Higher Actual: 103 ft.	BROWNFIELDS: BF Site Assessment Received: PCA number: BF Grant Number: Facility Type: Lead Type: Project manager: Phase: Lat/Long: Lat/Long (deg): Acres: TCEQ Region: Facility Type: Contaminant Categories: Media Affected: Applicant: Applicant Title: Applicant Title: Applicant City,St,Zip: Applicant Phone: Applicant Phone: Applicant Fax: Consultant Attorney: Consultant Atty Name: Consultant Atty Name: Consultant Atty Name: Consultant Atty Phone: Consultant Atty Phone: Consultant Atty Phone: Consultant Atty Phone: Consultant Atty Phone: Consultant Atty Fax: SW Number: LPST Number: EPA TX id/registration: Risk Reduction Rules: Risk Reduction Standard: TRRP Tier: Centificate Issued: Conditional Or Final Certificate: Institutional Controls: Type Remedy: Status Date:	78226 G138 Economic Development Owner KLIVINGS COMPLETED 29.314763 / -96.101643 29.314763 / -96.101643 5083 12 BSA Not reported Not reported Not reported City of Wharton City Manager 120 E Caney Street Wharton, TX 77488 979-532-2491 979-532-2491 979-532-2491 979-532-2491 979-532-2491 979-532-2491 Not reported Not re		

Database(s)

EDR ID Number EPA ID Number

D14 North 1/4-1/2	N RICHMOND RD PROPERTY 404 N RICHMOND RD WHARTON, TX 77488		BROWNFIELDS	S105589907 N/A
0.498 mi. 2629 ft.	Site 3 of 4 in cluster D			
Relative: Higher Actual: 103 ft.	BROWNFIELDS: BF Site Assessment Received: PCA number: BF Grant Number: Facility Type: Lead Type: Project manager: Phase: Lat/Long: Lat/Long (deg): Acres: TCEQ Region: Facility Type: Contaminant Categories: Media Affected: Applicant: Applicant Title: Applicant Address: Applicant City,St,Zip: Applicant City,St,Zip: Applicant Fax: Consultant Attorney: Consultant Atty Name: Consultant Atty Name: Consultant Atty Vitle: Consultant Atty Phone: Consultant Atty Phone: Consultant Atty Fax: SW Number: LPST Number: EPA TX id/registration: Risk Reduction Standard: TRRP Tier: Certificate Issued: Conditional Or Final Certificate: Institutional Controls: Type Remedy: Status Date:	70555G044Gas StationOwnerKLIVINGSCOMPLETED29.314763 / -96.10164329.314763 / -96.1016431.512BSAPetroleum HydrocarbonsSoilsCity of WhartonCity of WhartonCity Manager120 East CaneyWharton, TX 77488979-532-2491979-532-0181Unovate Environmental Services, IncHenry GhabrielProject ManagerP.O. Box 5572502Houston, TX 77257-2502713-784-9955Not reported113424Not reportedPSTTexas Risk Reduction Program Standard ANot reported01/24/2002		
D15 North	CASE WHOLESALE OIL 404 N RICHMOND RD		LPST UST	U003177676 N/A

North	404 N RICHMOND RD
1/4-1/2	WHARTON, TX 77488

0.498 mi.

#### 2629 ft. Site 4 of 4 in cluster D

Relative:	LPST:	
Higher	Facility ID:	0011586
Actual:	LPST Id:	113424
103 ft.	Facility Location:	404 N RICHMOND
	TCEQ Region# and City:	REGION 12 - HOUSTON
	Region City:	HOUSTON
	Reported Date:	01/24/2002
	Entered Date:	09/02/1998

EDR ID Number Database(s) EPA ID Number

# CASE WHOLESALE OIL (Continued)

CASE WHOLESALE OIL (Continue	d)	UO	03177676
Priority:	2.6 - IMPACTED GW DIS	SCHARGE TO SW USED BY HUMANENDGR SP	EC LT 500F
Program:	1 - RPR		
CA Status:	6A - FINAL CONCURRE	NCE ISSUED	
Priority Description:	Groundwater or storm wa	ater runoff is affected and discharges within	
		tent of contamination to a surface water body	
	used for human drinking	water, contact recreation, habitat to a	
	protected or listed endan	gered plant and animal species.	
Status:	FINAL CONCURRENCE	ISSUED, CASE CLOSED	
Coordinators Primary:	1		
Coordinators RPR:	MAO		
Responsible Party Name:	Not reported		
Responsible Party Contact:	JIM MILLS		
Responsible Party Address:	PO BOX 9932		
Responsible Party City,St,Zip:	AUSTIN, TX 78766		
Responsible Party Telephone:	888/452-0331		
Reported Date:	12/31/3000		
Case Start Date:	12/31/3000		
UST: Al Number:		11586	
Facility Type:		WHOLESALE	
Facility Begin Date:		08/31/1987	
Facility Status:		INACTIVE	
Additional ID:		511582692002156	
Facility Exempt Status:		N	
Records Off-Site:		No	
UST Financial Assurance Requi	red:	No	
Number Of Active UST:		0	
Site Location Description:		Not reported	
Site Location (Nearest City Nam	ie):	Not reported	
Site Location (County Name):		WHARTON	
Site Location (Tceq Region):		12	
Site Location (Location Zip):		77488	
Contact Name/Title:		JOE MASEK,OWNER	
Contact Organization Name:		CASE WHOLESALE OIL	
Contact Mailing Address1:		Not reported	
Contact Mailing Address2:		Not reported	
Contact Mailing City/State/Zip:		Not reported	
Contact Telephone:		4095321282	
Facility Contact Address Deliver	able:	Not reported	
Contact Fax Number:		Not reported	
Contact Email Address:	<b>F</b>	Not reported	
Signature Date On Earliest Reg Signature Name/Title On Earlies		05/06/1986	
Application Received Date On E	•	, 05/08/1986	
Signature Role On Earliest Reg	0	Not reported	
Signature Company On Earliest		Not reported	
Enforcement Action:		Not reported	
Facility Not Inspectable:		No	
Owner:			
Owner CN:		CN600241335	
Owner Last Name:		CITY OF WHARTON	
Owner First Name:		Not reported	
Owner Middle Name:		Not reported	
Owner Type:		CI	
Contact Mailing Address (Delive	ry):	Not reported	

Database(s)

EDR ID Number EPA ID Number

### CASE WHOLESALE OIL (Continued)

Contact Mailing Address (Internal Delivery): Not reported Not reported Contact Mailing City: Contact Mailing State: Not reported Contact Mailing Zip: Not reported Contact Mailing Zip5: Not reported Contact Phone Number/Ext: Contact Fax Country Code: Not reported Contact Fax Number/Ext: 1 Contact Email Address: Not reported Contact Address Deliverable: Not reported Princ ID: 62322152001269 Additional ID: 511582692002156 AI Number: 11586 Owner Effective Begin Date: 07/19/2000 State Tax ID: Not reported Contact Role: Not reported Contact Name/Title: Contact Organization Name: Not reported Tank: 08/31/1987 Install Date: Tank Registration Date: 05/08/1986 Number of Compartments: Tank Capacity: 3000 Tank Singlewall: Ν Tank Doublewall: N Pipe Type: Not reported UST ID: 183324 Facility ID: 91875 Ai Number: 11586 Tank Id: 3 Tank Status (Current): REMOVED FROM GROUND Tank Status Date: 07/15/2001 Empty: Ν **EXEMPT NON-USE SINCE 1974** Tank Regulatory Status: Tank Int Prot (Internal Tank Lining Date): Not reported Piping Design (Single Wall): Ν Piping Design (Double Wall): Ν Tank Ext Cont(Fac-Built Nonmetallic Jacket): Ν Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner): Ν Tank Ext Cont(Tank Vault/Rigid Trench Liner): Ν Piping Ext Cont(Fac-Built Nonmetallic Jacket): Ν Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner): Ν Piping Ext Cont(Tank Vault/Rigid Trench Liner): Ν Tank Material (Steel): Υ Tank Material(Frp(Fiberglass-Reinforced Plastic): Ν Tank Mat(Composite (Steel W/Ext Frp Cladding)): Ν Tank Mat(Concrete): Ν Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)): Ν Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)): Ν Piping Material (Steel): Ν Piping Mat(Frp(Fiberglass Reinforced Plastic): Ν Piping Mat(Concrete): Ν Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)): Ν Piping Mat(Nonmetallic Flex Piping): Ν PipingConnect/Valves(Shear/Impact Valves(Under Disp)): Ν Piping Connect/Valves(Steel Swing-Joints(End Of Piping)): Ν

Database(s)

EDR ID Number EPA ID Number

# CASE WHOLESALE OIL (Continued)

<ul> <li>Piping Connect/Valves (Flex Connectors(Ends Of Piping)): Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation): TCPM (ExtDielectricCoat/Laminate/Tape/Wrap): TCPM(Cathodic Prot-FacInstallation): TCPM(Composite Tank(Steel W/Frp Ext Laminate): TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate): TCPM(FRP Tank Or Piping(Noncorrodible)): TCPM(Ext Nonmetallic Jacket): TCPMeth(Unnecessary Per Corrosion Prot Spec): Piping Corr Prot Method(PCPM) (Cathodic Factory Install): PCPM(Cathodic Prot-Field Install): PCPM(Cathodic Prot-Field Install): PCPMethod (FRP Tank Or Piping(Noncorrodible)): PCPMethod (FRP Tank Or Piping(Noncorrodible)): PCPMethod (FRP Tank Or Piping(Noncorrodible)): PCPMethod (FRP Tank Or Piping(Noncorrodible)): PCPMethod (PCPM) (Dual Protected): PCPM(Unnec Per Corrosion Prot Specialist): Tank Corr Prot Compliance Flag: Piping Corr Prot Compliance Flag: Piping Corrosion Prot Variance: Piping Corrosion Prot Variance: Temp Out Of Service Compliance: Technical Compliance Flag: Tank Tested Flag: Installation Signature Date:</li> </ul>	N N N N N N N N N N N N N N N N N N N
Compartment Records: Tank ID:	3
Tank Capacity:	3000
UST Comprt ID:	140409
UST ID:	183324
AI Number:	11586
Compartment ID:	A
Substance Stored1:	Not reported
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	N
CRDM(GW Monitoring):	N
CRDM(Monitoring Of Secondary Cont Barrier): CRDM(Auto Tank Gauge Test/Inv Control):	N N
CRDM(Auto Tank Gauge Test/Inv Control). CRDM(Interstitial Monitoring SecWall/Jacket):	N
CRDM(mersinal Monitoring Sectional/Sacket). CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	N
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	N
PipingReleaseDetectionMethod(PRDM)(Vapor):	N
PRDM(Groundwater Monitoring):	Ν
PRDM(Monitoring Sec Containment Barrier):	Ν
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	Ν
PRDM(Mthly Piping Tightness Test)@.2Gph:	Ν
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	Ν
PRDM(TriennialTightTest(Suction/GravityPiping):	N
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction: Spill Overfill Prevention Equip(SOPE):	N N
SOPE(Spill Cont/Bucket/Sump):	N
SOPE(Spin Convolucies Sump). SOPE(DelShut-Off Valve) ):	N
SOPE(FlowRestrictorValue:	N

Database(s)

EDR ID Number EPA ID Number

# CASE WHOLESALE OIL (Continued)

SOPE(Alarm (Set@<=90%) W/3a Or 3b: SOPE(N/A Deliveries To Tank<=25G): Compartment Release Det Compliance Flag: Piping Release Detection Compliance Flag): Spill/OverfillPreventionCompliance Flag: Compartment Release Detection Variance: Piping Release Detection Variance: Spill And Overfill Prevention Variance: Stage I Vapor Recovery: Stage 1 Installation Date:	N N N N N N Not reported Not reported
Install Data:	00/24/4007
Install Date:	08/31/1987
Tank Registration Date: Number of Compartments:	05/08/1986 1
Tank Capacity:	4000
Tank Singlewall:	N
Tank Doublewall:	N
Pipe Type:	Not reported
UST ID:	183322
Facility ID:	91875
Ai Number:	11586
Tank Id:	1
Tank Status (Current):	REMOVED FROM GROUND
Tank Status Date:	07/12/2001
Empty:	Ν
Tank Regulatory Status:	EXEMPT NON-USE SINCE 1974
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	N
Piping Design (Double Wall):	N
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	N
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	N
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	N
Tank Material (Steel):	N
Tank Material(Frp(Fiberglass-Reinforced Plastic):	Y N
Tank Mat(Composite (Steel W/Ext Frp Cladding)): Tank Mat(Concrete):	N
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel):	N
Piping Mat(Frp(Fiberglass Reinforced Plastic):	N
Piping Mat(Concrete):	Ν
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	Ν
Piping Mat(Nonmetallic Flex Piping):	Ν
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	Ν
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM(Cathodic Prot-FacInstallation):	N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
TCPM(FRP Tank Or Piping(Noncorrodible)):	N
TCPM(Ext Nonmetallic Jacket):	Ν

Database(s)

EDR ID Number EPA ID Number

# CASE WHOLESALE OIL (Continued)

<ul> <li>TCPMeth(Unnecessary Per Corrosion Prot Spec):</li> <li>Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):</li> <li>Piping Corr Prot Method(PCPM) (Cathodic Factory Install):</li> <li>PCPM(Cathodic Prot-Field Install):</li> <li>PCPMethod (FRP Tank Or Piping(Noncorrodible):</li> <li>PCPM(Nonmetallic FlexPiping (Noncorrodible)):</li> <li>PCPMeth(Isolated Open Area/2nd Containment):</li> <li>PCPM (Dual Protected):</li> <li>PCPM(Unnec Per Corrosion Prot Specialist):</li> <li>Tank Corr Prot Compliance Flag:</li> <li>Piping Corr Prot Compliance Flag:</li> <li>Tank Corrosion Prot Variance:</li> <li>Piping Corrosion Prot Variance:</li> <li>Temp Out Of Service Compliance:</li> <li>Technical Compliance Flag:</li> <li>Tank Tested Flag:</li> <li>Installation Signature Date:</li> </ul>	N N N N N N N N N N N N N N N N N N N
Compartment Records:	
Tank ID:	1
Tank Capacity:	4000
UST Comprt ID:	140407
UST ID:	183322
AI Number:	11586
Compartment ID:	A
Substance Stored1:	Not reported
Substance Stored2:	Not reported
Substance Stored3: CompartmentReleaseDetectionMethod(Vapor):	Not reported
CRDM(GW Monitoring):	N N
CRDM(Monitoring). CRDM(Monitoring Of Secondary Cont Barrier):	N
CRDM(Auto Tank Gauge Test/Inv Control):	N
CRDM(Interstitial Monitoring SecWall/Jacket):	N
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	Ν
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	Ν
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	Ν
PipingReleaseDetectionMethod(PRDM)(Vapor):	N
PRDM(Groundwater Monitoring):	N
PRDM(Monitoring Sec Containment Barrier):	N
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	N
PRDM(Mthly Piping Tightness Test)@.2Gph:	N N
PRDM(AnnualPipingTightTest/ElecMon@.1Gph: PRDM(TriennialTightTest(Suction/GravityPiping):	N
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction:	N
Spill Overfill Prevention Equip(SOPE):	N
SOPE(Spill Cont/Bucket/Sump):	N
SOPE(DelShut-Off Valve) ):	Ν
SOPE(FlowRestrictorValue:	Ν
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	Ν
SOPE(N/A Deliveries To Tank<=25G):	Ν
Compartment Release Det Compliance Flag:	N
Piping Release Detection Compliance Flag ):	N
Spill/OverfillPreventionCompliance Flag:	N
Compartment Release Detection Variance:	N
Piping Release Detection Variance:	N
Spill And Overfill Prevention Variance:	Ν

Database(s)

EDR ID Number EPA ID Number

# CASE WHOLESALE OIL (Continued)

SE WHOLESALE OIE (Continued)	
Stage I Vapor Recovery:	Not reported
Stage 1 Installation Date:	Not reported
Install Date:	08/31/1987
Tank Registration Date:	05/08/1986
Number of Compartments:	1
Tank Capacity:	Not reported
Tank Singlewall:	N
Tank Doublewall:	N
Ріре Туре:	Not reported
UST ID:	183326
Facility ID:	91875
Ai Number:	11586
Tank Id:	5
Tank Status (Current):	REMOVED FROM GROUND
Tank Status Date:	07/12/2001
	N
Empty:	
Tank Regulatory Status:	EXEMPT NON-USE SINCE 1974
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	N
Piping Design (Double Wall):	N
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	N
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	Ν
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	Ν
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Piping Ext Cont(Cank Vault/Rigid Trench Liner):	N
Tank Material (Steel):	N
Tank Material (Frp(Fiberglass-Reinforced Plastic):	N
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	N
Tank Mat(Concrete):	Ν
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel):	Ν
Piping Mat(Frp(Fiberglass Reinforced Plastic):	Ν
Piping Mat(Concrete):	Ν
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
Piping Mat(Nonmetallic Flex Piping):	N
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	N
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	Ν
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM(Cathodic Prot-FacInstallation):	N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	Ν
TCPM(FRP Tank Or Piping(Noncorrodible)):	Ν
TCPM(Ext Nonmetallic Jacket):	Ν
TCPMeth(Unnecessary Per Corrosion Prot Spec):	N
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	
	N
PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	Ν
PCPMeth(Isolated Open Area/2nd Containment):	N
PCPM (Dual Protected):	N

Database(s)

EDR ID Number EPA ID Number

U003177676

# CASE WHOLESALE OIL (Continued)

Tank Capacity:

ASE WHOLESALE OIL (Continued)	
PCPM(Unnec Per Corrosion Prot Specialist):	Ν
Tank Corr Prot Compliance Flag:	Ν
Piping Corr Prot Compliance Flag:	Ν
Tank Corrosion Prot Variance:	Ν
Piping Corrosion Prot Variance:	Ν
Temp Out Of Service Compliance:	Y
Technical Compliance Flag:	Ň
Tank Tested Flag:	N
Installation Signature Date:	Not reported
-	Not reported
Compartment Records:	
Tank ID:	5
Tank Capacity:	0
UST Comprt ID:	140411
UST ID:	183326
AI Number:	11586
Compartment ID:	A
Substance Stored1:	Not reported
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	Ν
CRDM(GW Monitoring):	Ν
CRDM(Monitoring Of Secondary Cont Barrier):	Ν
CRDM(Auto Tank Gauge Test/Inv Control):	Ν
CRDM(Interstitial Monitoring SecWall/Jacket):	Ν
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	Ν
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	Ν
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	Ν
PipingReleaseDetectionMethod(PRDM)(Vapor):	N
PRDM(Groundwater Monitoring):	N
PRDM(Monitoring Sec Containment Barrier):	N
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	N
PRDM(Mthly Piping Tightness Test)@.2Gph:	N
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	N
PRDM(TriennialTightTest(Suction/GravityPiping):	N
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction:	N
Spill Overfill Prevention Equip(SOPE):	N
SOPE(Spill Cont/Bucket/Sump):	N
SOPE(DelShut-Off Valve) ):	N
SOPE(FlowRestrictorValue:	N
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	N
SOPE(N/A Deliveries To Tank<=25G):	N
Compartment Release Det Compliance Flag:	N
Piping Release Detection Compliance Flag ):	N
Spill/OverfillPreventionCompliance Flag:	N
Compartment Release Detection Variance:	N
Piping Release Detection Variance:	N
Spill And Overfill Prevention Variance:	N Natives exteri
Stage I Vapor Recovery:	Not reported
Stage 1 Installation Date:	Not reported
Install Date:	08/31/1987
Tank Registration Date:	05/08/1986
Number of Compartments:	1
Tank Canacity:	1000

Database(s)

EDR ID Number EPA ID Number

U003177676

# CASE WHOLESALE OIL (Continued)

Tank Singlewall:	Ν
Tank Doublewall:	N
Pipe Type:	Not
UST ID:	1833
Facility ID:	9187
Ai Number:	1158
Tank Id:	4
Tank Status (Current):	4 REN
Tank Status Date:	07/1
Empty:	N
Tank Regulatory Status:	EXE
Tank Int Prot (Internal Tank Lining Date):	Not
Piping Design (Single Wall):	N
Piping Design (Double Wall):	N
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	N
Tank Ext Cont() ac-Built Noninetanic Jacket).	N
Tank Ext Cont(Syn Tank-Ph/Piping-Tench Liner):	N
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
Piping Ext Cont(Pac-Built Nonmetanic Sacket). Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	N
Tank Material (Steel):	N
Tank Material (Steer).	N
	N
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	N
Tank Mat(Concrete):	N
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated(Steel W/ExtPolyurethane Cladding)):	N
Piping Material (Steel):	N
Piping Mat(Frp(Fiberglass Reinforced Plastic):	N
Piping Mat(Concrete): Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
	N
Piping Mat(Nonmetallic Flex Piping):	N
PipingConnect/Valves(Shear/Impact Valves(Under Disp)): Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	N
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	N
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	N
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM(Cathodic Prot-FacInstallation):	N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/ExtPolyurethaneLaminate):	N
TCPM(FRP Tank Or Piping(Noncorrodible)):	N
TCPM(Ext Nonmetallic Jacket):	N
TCPMeth(Unnecessary Per Corrosion Prot Spec):	N
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	N
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	N
PCPMeth(Isolated Open Area/2nd Containment):	N
PCPM (Dual Protected):	N
PCPM(Unnec Per Corrosion Prot Specialist):	N
Tank Corr Prot Compliance Flag:	N
Piping Corr Prot Compliance Flag:	N
Tank Corrosion Prot Variance:	N
Piping Corrosion Prot Variance:	N
Temp Out Of Service Compliance:	Y
Technical Compliance Flag:	Ň
Tank Tested Flag:	N

N
N Net reported
Not reported 183325
91875
11586
4
REMOVED FROM GROUND
07/12/2001
Ν
EXEMPT NON-USE SINCE 1974
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Database(s)

EDR ID Number EPA ID Number

# CASE WHOLESALE OIL (Continued)

Installation Signature Date:	Not reported
Compartment Records:	
Tank ID:	4
Tank Capacity:	1000
UST Comprt ID:	140410
UST ID:	183325
AI Number:	11586
Compartment ID:	A
Substance Stored1:	Not reported
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	N
CRDM(GW Monitoring):	N
CRDM(Monitoring Of Secondary Cont Barrier):	N
CRDM(Auto Tank Gauge Test/Inv Control):	N
CRDM(Interstitial Monitoring SecWall/Jacket):	N N
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N
CRDM(Mthly Tank Gauging(Emer Gen Tanks): CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	N
PipingReleaseDetectionMethod(PRDM)(Vapor):	N
PRDM(Groundwater Monitoring):	N
PRDM(Monitoring Sec Containment Barrier):	N
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	N
PRDM(Mthly Piping Tightness Test)@.2Gph:	N
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	N
PRDM(TriennialTightTest(Suction/GravityPiping):	N
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction:	Ν
Spill Overfill Prevention Equip(SOPE):	Ν
SOPE(Spill Cont/Bucket/Sump):	Ν
SOPE(DelShut-Off Valve) ):	Ν
SOPE(FlowRestrictorValue:	Ν
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	Ν
SOPE(N/A Deliveries To Tank<=25G):	Ν
Compartment Release Det Compliance Flag:	Ν
Piping Release Detection Compliance Flag):	Ν
Spill/OverfillPreventionCompliance Flag:	N
Compartment Release Detection Variance:	Ν
Piping Release Detection Variance:	Ν
Spill And Overfill Prevention Variance:	N
Stage I Vapor Recovery:	Not reported
Stage 1 Installation Date:	Not reported
Install Date:	08/31/1987
Tank Registration Date:	05/08/1986
Number of Compartments:	1
Tank Capacity:	2000
Tank Singlewall:	Ν
Tank Doublewall:	Ν
Pipe Type:	Not reported
UST ID:	183323
Facility ID:	91875
Ai Number:	11586
Tank Id:	2
Tank Status (Current):	REMOVED FROM GROUND

Database(s)

EDR ID Number EPA ID Number

# CASE WHOLESALE OIL (Continued)

Tank Status Date:	07/12/2001
Empty:	Ν
Tank Regulatory Status:	EXEMPT NON-USE SINCE 1974
Tank Int Prot (Internal Tank Lining Date):	Not reported
Piping Design (Single Wall):	N
Piping Design (Double Wall):	N
Tank Ext Cont(Fac-Built Nonmetallic Jacket):	N
,	
Tank Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Tank Ext Cont(Tank Vault/Rigid Trench Liner):	N
Piping Ext Cont(Fac-Built Nonmetallic Jacket):	N
Piping Ext Cont(Syn Tank-Pit/Piping-Trench Liner):	N
Piping Ext Cont(Tank Vault/Rigid Trench Liner):	Ν
Tank Material (Steel):	Ν
Tank Material(Frp(Fiberglass-Reinforced Plastic):	Y
Tank Mat(Composite (Steel W/Ext Frp Cladding)):	Ν
Tank Mat(Concrete):	N
Tank Mat(Jacketed (Steel W/Ext Nonmetallic Jck)):	N
Tank Mat(Coated (Steel W/ExtPolyurethane Cladding)):	N
	N
Piping Material (Steel):	
Piping Mat(Frp(Fiberglass Reinforced Plastic):	N
Piping Mat(Concrete):	Ν
Piping Mat(Jacketed(Steel W/Ext Nonmetallic Jacket)):	N
Piping Mat(Nonmetallic Flex Piping):	N
PipingConnect/Valves(Shear/Impact Valves(Under Disp)):	Ν
Piping Connect/Valves(Steel Swing-Joints(End Of Piping)):	Ν
Piping Connect/Valves (Flex Connectors(Ends Of Piping)):	Ν
Tank Corr Prot Meth(TCPM)(Cathodic-Field Installation):	Ν
TCPM (ExtDielectricCoat/Laminate/Tape/Wrap):	N
TCPM(Cathodic Prot-FacInstallation):	N
TCPM(Composite Tank(Steel W/Frp Ext Laminate):	N
TCPMeth(Coated Tank(Steel W/Tp ExtPolyurethaneLaminate):	N
TCPM(FRP Tank Or Piping(Noncorrodible)):	N
TCPM(Ext Nonmetallic Jacket):	N
TCPMeth(Unnecessary Per Corrosion Prot Spec):	N
Piping Corr Prot Meth(Dielectric Coat/Laminate/Tape/Wrap):	N
Piping Corr Prot Method(PCPM) (Cathodic Factory Install):	N
PCPM(Cathodic Prot-Field Install):	N
PCPMethod (FRP Tank Or Piping(Noncorrodible):	Ν
PCPM(Nonmetallic FlexPiping (Noncorrodible)):	Ν
PCPMeth(Isolated Open Area/2nd Containment):	Ν
PCPM (Dual Protected):	Ν
PCPM(Unnec Per Corrosion Prot Specialist):	N
Tank Corr Prot Compliance Flag:	N
	N
Piping Corr Prot Compliance Flag:	
Tank Corrosion Prot Variance:	N
Piping Corrosion Prot Variance:	N
Temp Out Of Service Compliance:	Y
Technical Compliance Flag:	N
Tank Tested Flag:	N
Installation Signature Date:	Not reported
-	-
Compartment Records:	
Tank ID:	2
Tank Capacity:	2000
UST Comprt ID:	140408
UST ID:	183323
AI Number:	11586
Compartment ID:	A

Database(s)

EDR ID Number EPA ID Number

# CASE WHOLESALE OIL (Continued)

Substance Stored1:	Not reported
Substance Stored2:	Not reported
Substance Stored3:	Not reported
CompartmentReleaseDetectionMethod(Vapor):	N
CRDM(GW Monitoring):	N
CRDM(Monitoring Of Secondary Cont Barrier):	N
CRDM(Auto Tank Gauge Test/Inv Control):	N
CRDM(Interstitial Monitoring SecWall/Jacket):	N
CRDM(Wkly Manual Gauging(Tanks<=1000 G):	N
CRDM(Mthly Tank Gauging(Emer Gen Tanks):	N
CRDM(Sir (Stat Inv Reconciliation)/Inv Control):	Ν
PipingReleaseDetectionMethod(PRDM)(Vapor):	Ν
PRDM(Groundwater Monitoring):	Ν
PRDM(Monitoring Sec Containment Barrier):	N
PRDM(InterstitialMonitoring w/in SecWall/Jacket):	N
	N
PRDM(Mthly Piping Tightness Test)@.2Gph:	
PRDM(AnnualPipingTightTest/ElecMon@.1Gph:	N
PRDM(TriennialTightTest(Suction/GravityPiping):	N
PRDM AutoLineLeakDet(3.0 Gph PressPiping):	N
PRDM(Sir(StatInv Recon)/Inv Control)):	N
PRDM(Exempt System Suction:	Ν
Spill Overfill Prevention Equip(SOPE):	Ν
SOPE(Spill Cont/Bucket/Sump):	Ν
SOPE(DelShut-Off Valve) ):	N
SOPE(FlowRestrictorValue:	N
SOPE(Alarm (Set@<=90%) W/3a Or 3b:	N
SOPE(N/A Deliveries To Tank<=25G):	N
Compartment Release Det Compliance Flag:	N
Piping Release Detection Compliance Flag ):	N
Spill/OverfillPreventionCompliance Flag:	N
Compartment Release Detection Variance:	N
Piping Release Detection Variance:	Ν
Spill And Overfill Prevention Variance:	Ν
Stage I Vapor Recovery:	Not reported
Stage 1 Installation Date:	Not reported
Construction Notification:	
NOC ID:	15066
Facility ID:	91875
Al Number:	11586
Application Received Date:	07/02/2001
Scheduled Construction Date:	07/12/2001
UST Improvement:	N
•	
UST Installation:	N
UST Removal:	Y
UST Repair:	
	N
UST Return To Service:	Ν
UST Replacement:	
	Ν
UST Replacement:	N N
UST Replacement: UST Abandonment: UST Stage I:	N N N
UST Replacement: UST Abandonment: UST Stage I: AST Installation:	N N N
UST Replacement: UST Abandonment: UST Stage I: AST Installation: AST Stage I:	N N N N N
UST Replacement: UST Abandonment: UST Stage I: AST Installation: AST Stage I: Historical Tracking Number:	N N N N N M10702005
UST Replacement: UST Abandonment: UST Stage I: AST Installation: AST Stage I: Historical Tracking Number: Waiver Flag:	N N N N M10702005 N
UST Replacement: UST Abandonment: UST Stage I: AST Installation: AST Stage I: Historical Tracking Number:	N N N N N M10702005

### Database(s)

EDR ID Number EPA ID Number

#### U003177676

### CASE WHOLESALE OIL (Continued)

Signature Date On Form:
Signature Name On Form:
Signature Company On Form:
Signature Title On Form:
Signature Role:
Owner Name At Time Of Construction:
Owner CN At Time Of Construction:
Owner AR At Time Of Construction:
General Desc Of Prop Construct: Not reported

Facility Billing Contacts: Contact Organization Name: Contact Mailing Address (Delivery): Contact Mailing Address (Internal Delivery): Contact Mailing City/State/Zip: Phone Number/Ext: Contact Fax Number/Ext: Contact Email Address: Contact Address Deliverable: Facility ID: Additional ID: Princ ID: AI Number: Facility Name: AR Number: AR UST Number Suffix: AR AST Number Suffix: Contact Name/Title:

Not reported 24501

CITY OF WHARTON 120 E CANEY ST Not reported WHARTON, TX 77488 5006 / 1 Not reported Υ 91875 511582692002156 62322152001269 11586 CASE WHOLESALE OIL Not reported Not reported Not reported ANDRES GARZA/

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
	_				

NO SITES FOUND

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC) Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

## Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

## Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 92 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 34 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 34

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

# Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 03/27/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Quarterly

# Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### Federal RCRA generators list

# RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019Source: Environmental Protection AgencyDate Data Arrived at EDR: 03/27/2019Telephone: 214-665-6444Date Made Active in Reports: 04/17/2019Last EDR Contact: 03/27/2019Number of Days to Update: 21Next Scheduled EDR Contact: 07/08/2019Data Release Frequency: Quarterly

### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/22/2019	Source: Department of the Navy
Date Data Arrived at EDR: 03/07/2019	Telephone: 843-820-7326
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 02/07/2019
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

# US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies

# US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/31/2019 Date Data Arrived at EDR: 02/04/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 32 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 02/04/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 02/04/2019 Date Data Arrived at EDR: 02/08/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 28 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### State- and tribal - equivalent NPL

SHWS: State Superfund Registry

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/08/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 12/27/2018	Telephone: 512-239-5680
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Semi-Annually

## State and tribal landfill and/or solid waste disposal site lists

### SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 63 Source: Texas Commission on Environmental Quality Telephone: 512-239-6706 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Quarterly

## CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas. For current information regarding any of the sites included in this database, contact the appropriate Council of Governments agency.

Date of Government Version: 08/30/1999 Date Data Arrived at EDR: 09/28/2000 Date Made Active in Reports: 10/30/2000 Number of Days to Update: 32 Source: Texas Commission on Environmental Quality Telephone: N/A Last EDR Contact: 04/02/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

## DEBRIS: DEBRIS

A listing of temporary debris management sites and MSW landfills for debris resulting from Hurricane Harvey.

Date of Government Version: 03/27/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/04/2018	Telephone: 512-239-6840
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 04/08/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/24/2019 Data Release Frequency: Varies

#### H-GAC CLI: Houston-Galveston Closed Landfill Inventory

Closed Landfill Inventory for the Houston-Galveston Area Council Region. In 1993, the Texas Legislature passed House Bill (HB) 2537, which required Councils of Governments (COGs) to develop an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Date of Government Version: 01/02/2019	Source: Houston-Galveston Area Council
Date Data Arrived at EDR: 01/03/2019	Telephone: 832-681-2518
Date Made Active in Reports: 02/08/2019	Last EDR Contact: 04/04/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

WASTE MGMT: Commercial Hazardous & Solid Waste Management Facilities This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 02/02/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/06/2018	Telephone: 512-239-2920
Date Made Active in Reports: 06/13/2018	Last EDR Contact: 04/05/2019
Number of Days to Update: 68	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

#### State and tribal leaking storage tank lists

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

urce: EPA Region 6
ephone: 214-665-6597
st EDR Contact: 03/07/2019
xt Scheduled EDR Contact: 05/06/2019
ta Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018		
Date Data Arrived at EDR: 05/18/2018		
Date Made Active in Reports: 07/20/2018		
Number of Days to Update: 63		

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Ta LUSTs on Indian land in Colorado, Montana, N	anks on Indian Land Iorth Dakota, South Dakota, Utah and Wyoming.
Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R7: Leaking Underground Storage Ta LUSTs on Indian land in Iowa, Kansas, and Ne	
Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R4: Leaking Underground Storage Ta LUSTs on Indian land in Florida, Mississippi ar	
Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R1: Leaking Underground Storage Ta A listing of leaking underground storage tank to	
Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
LPST: Leaking Petroleum Storage Tank Database An inventory of reported leaking petroleum stor the information stored varies by state.	rage tank incidents. Not all states maintain these records, and
Date of Government Version: 03/26/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 14	Source: Texas Commission on Environmental Quality Telephone: 512-239-2200 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
State and tribal registered storage tank lists	
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground stora	ige tanks.
Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 136	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies

UST: Petroleum Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

	Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 15	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
	AST: Petroleum Storage Tank Database Registered Aboveground Storage Tanks.	
	Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 15	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
I	NDIAN UST R10: Underground Storage Tanks on I The Indian Underground Storage Tank (UST) of Iand in EPA Region 10 (Alaska, Idaho, Oregon	database provides information about underground storage tanks on Indian
	Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN UST R7: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).		
	Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN UST R6: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).		
	Date of Government Version: 04/01/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Erequency: Varias

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Data Release Frequency: Varies

Date of Government Version: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
· ·	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

#### AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 10/04/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/12/2018	Telephone: 512-239-5891
Date Made Active in Reports: 11/07/2018	Last EDR Contact: 04/01/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

### State and tribal voluntary cleanup sites

VCP TCEQ: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 10/01/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/09/2018 Number of Days to Update: 38 Source: Texas Commission on Environmental Quality Telephone: 512-239-5891 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitn A listing of voluntary cleanup priority sites loc	•
Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27	Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009 Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies
INDIAN VCP R1: Voluntary Cleanup Priority Listin A listing of voluntary cleanup priority sites loc	•
Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016 Number of Days to Update: 142	Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies
VCP RRC: Voluntary Cleanup Program Sites The Voluntary Cleanup Program (RRC-VCP) provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination. Applicants to the program receive a release of liability to the state in exchange for a successful cleanup.	
Date of Government Version: 11/20/2018 Date Data Arrived at EDR: 01/03/2019 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 36	Source: Railroad Commission of Texas Telephone: 512-463-6969 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019

#### State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Assessments

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 12/04/2018	Source: TCEQ
Date Data Arrived at EDR: 01/03/2019	Telephone: 512-239-5872
Date Made Active in Reports: 02/07/2019	Last EDR Contact: 04/04/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Semi-Annually

#### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Data Release Frequency: Varies

Date of Government Version: 12/17/2018 Date Data Arrived at EDR: 12/18/2018 Date Made Active in Reports: 01/11/2019 Number of Days to Update: 24 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 03/19/2019 Next Scheduled EDR Contact: 07/01/2019 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

# CAPCOG LI: Capitol Area Landfill Inventory

Permitted and unpermitted landfills for the CAPCOG region. Serving Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Travis, and Williamson Counties.

	Hays, Lee, Liano, Travis, and Williamson Coun	lies.
	Date of Government Version: 01/06/2017 Date Data Arrived at EDR: 01/10/2017 Date Made Active in Reports: 03/15/2017 Number of Days to Update: 64	Source: Capital Area Council of Governments Telephone: 512-916-6000 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
NCT	COG LI: North Central Landfill Inventory North Central Texas Council of Governments la	andfill database.
	Date of Government Version: 01/03/2019 Date Data Arrived at EDR: 01/04/2019 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 35	Source: North Central Texas Council of Governments Telephone: 817-695-9223 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
SWR	CY: Recycling Facility Listing A listing of recycling facilities in the state.	
	Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 02/19/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 38	Source: TCEQ Telephone: 512-239-6700 Last EDR Contact: 02/07/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies
INDI	AN ODI: Report on the Status of Open Dumps of Location of open dumps on Indian land.	on Indian Lands
	Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008 Number of Days to Update: 52	Source: Environmental Protection Agency Telephone: 703-308-8245 Last EDR Contact: 01/29/2019 Next Scheduled EDR Contact: 05/13/2019 Data Release Frequency: Varies
DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.		
	Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 137	Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: No Update Planned
ODI:	Open Dump Inventory An open dump is defined as a disposal facility t Subtitle D Criteria.	hat does not comply with one or more of the Part 257 or Part 258
	Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39	Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
IHS	DPEN DUMPS: Open Dumps on Indian Land A listing of all open dumps located on Indian La	and in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 176 Source: Department of Health & Human Serivces, Indian Health Service Telephone: 301-443-1452 Last EDR Contact: 02/01/2019 Next Scheduled EDR Contact: 05/13/2019 Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/24/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/26/2019	Telephone: 202-307-1000
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 02/21/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: No Update Planned

CDL: Clandestine Drug Site Locations Listing A listing of former clandestine drug site locations

Date of Government Version: 08/07/2017	Source: Department of Public Safety
Date Data Arrived at EDR: 08/15/2017	Telephone: 512-424-2144
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 01/28/2019
Number of Days to Update: 269	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Varies

PRIORITY CLEANERS: Dry Cleaner Remediation Program Prioritization List A listing of dry cleaner related contaminated sites.

Date of Government Version: 02/25/2019 Date Data Arrived at EDR: 03/06/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 36 Source: Texas Commission on Environmenatl Quality Telephone: 512-239-5658 Last EDR Contact: 03/06/2019 Next Scheduled EDR Contact: 06/18/2108 Data Release Frequency: Varies

DEL SHWS: Deleted Superfund Registry Sites

Sites have been deleted from the state Superfund registry in accordance with the Act, ?361.189

Date of Government Version: 11/08/2018 Date Data Arrived at EDR: 12/27/2018	Source: Texas Commission on Environmental Quality Telephone: 512-239-0666
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Quarterly

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/24/2019 Date Data Arrived at EDR: 02/26/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 50 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 02/21/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Quarterly

### PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 11/05/2018 Date Data Arrived at EDR: 11/07/2018 Date Made Active in Reports: 04/15/2019 Number of Days to Update: 159 Source: Texas Commission on Environmental Quality Telephone: 512-239-2341 Last EDR Contact: 03/04/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

### Local Lists of Registered Storage Tanks

NON REGIST PST: Petroleum Storage Tank Non Registered A listing of non-registered petroleum storage tank site locations.

Date of Government Version: 01/29/2019 Date Data Arrived at EDR: 01/31/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 57

Source: Texas Commission on Environmental Quality Telephone: 512-239-2081 Last EDR Contact: 01/31/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Quarterly

# Local Land Records

HIST LIENS: Environmental Liens Listing

This listing contains information fields that are no longer tracked in the LIENS database.

Date of Government Version: 03/23/2007	Source: Texas Commission on Environmental Qualilty
Date Data Arrived at EDR: 03/23/2007	Telephone: 512-239-2209
Date Made Active in Reports: 05/02/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

The listing covers TCEQ liens placed against either State Superfund sites or Federal Superfund sites to recover cost incurred by TCEQ.

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2209
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

## LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 03/21/2019 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Semi-Annually

# Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Source: U.S. Department of Transportation Telephone: 202-366-4555 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### SPILLS: Spills Database

Spills reported to the Emergency Response Division.

Date of Government Version: 10/18/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/19/2018	Telephone: 512-239-2507
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 04/04/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Quarterly

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/23/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/07/2013 Number of Days to Update: 63 Source: FirstSearch Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

# SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 05/15/2005Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 03/07/2013Last EDR Contact: 0Number of Days to Update: 63Next Scheduled EDR

Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

### Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 04/03/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 02/15/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies

# US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/31/2019 Date Data Arrived at EDR: 02/04/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 32 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 02/08/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 02/08/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 198 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 03/22/2019 Next Scheduled EDR Contact: 07/01/2019 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016	Sou
Date Data Arrived at EDR: 01/10/2018	Tel
Date Made Active in Reports: 01/12/2018	Las
Number of Days to Update: 2	Ne
	-

Source: EPA Telephone: 202-566-0250 Last EDR Contact: 02/20/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011 Number of Days to Update: 77 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Annually

#### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2019 Date Data Arrived at EDR: 02/14/2019 Date Made Active in Reports: 03/21/2019 Number of Days to Update: 35 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/11/2019	Source: EPA
Date Data Arrived at EDR: 03/14/2019	Telephone: 202-564-6023
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 04/18/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 04/10/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/22/201
	Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 04/08/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Quarterly

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FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 04/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	
Date Data Arrived at EDR: 09/10/2014	
Date Made Active in Reports: 10/20/2014	
Number of Days to Update: 40	

Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/25/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

**RADINFO:** Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/02/2019 Date Data Arrived at EDR: 01/03/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 71 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 04/02/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/29/2019	Telephone: 202-366-4595
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 01/29/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2018	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/11/2019	Telephone: Varies
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Varies

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017 Number of Days to Update: 218 Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/13/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Biennially

#### **INDIAN RESERV: Indian Reservations**

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/11/2019
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Semi-Annually

#### FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	
Date Data Arrived at EDR: 09/11/2018	
Date Made Active in Reports: 09/14/2018	
Number of Days to Update: 3	

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/31/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Varies

# UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017 Number of Days to Update: 23 Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/22/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

# LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/11/2019Source: EnvironmentDate Data Arrived at EDR: 03/14/2019Telephone: 703-60Date Made Active in Reports: 03/21/2019Last EDR Contact:Number of Days to Update: 7Next Scheduled EDR

Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36 Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually	
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.		
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually	
US MINES: Mines Master Index File Contains all mine identification numbers issue violation information.	ed for mines active or opened since 1971. The data also includes	
Date of Government Version: 11/27/2018 Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 33	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 02/27/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Semi-Annually	
US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.		
Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 49	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies	
US MINES 3: Active Mines & Mineral Plants Datab Active Mines and Mineral Processing Plant of of the USGS.	base Listing berations for commodities monitored by the Minerals Information Team	
Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies	
ABANDONED MINES: Abandoned Mines An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.		
Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018 Number of Days to Update: 3	Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/21/2019 Next Scheduled EDR Contact: 06/24/2019 Data Release Frequency: Quarterly	

Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 10	Source: EPA Telephone: (214) 665-2200 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Quarterly
DOCKET HWC: Hazardous Waste Compliance Doo A complete list of the Federal Agency Hazardo	5
Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018 Number of Days to Update: 71	Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

# ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/03/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: 202-564-2280
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/09/2019
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Quarterly

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/15/2019
Number of Days to Update: 74	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/19/2019	
Date Data Arrived at EDR: 02/21/2019	
Date Made Active in Reports: 04/01/2019	
Number of Days to Update: 39	

Source: EPA Telephone: 800-385-6164 Last EDR Contact: 02/21/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Quarterly

#### AIRS: Current Emission Inventory Data

The database lists by company, along with their actual emissions, the TNRCC air accounts that emit EPA criteria pollutants.

Date of Government Version: 01/16/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/18/2019	Telephone: N/A
Date Made Active in Reports: 03/25/2019	Last EDR Contact: 03/11/2019
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/24/2019
	Data Release Frequency: Semi-Annually

Date of Government Version: 01/09/2019 Date Data Arrived at EDR: 01/11/2019	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872
Date Made Active in Reports: 03/25/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies
ASBESTOS: Asbestos Notification Listing A listing of asbestos notification site locations	5.
Date of Government Version: 03/05/2019	Source: Department of State Health Services
Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 04/11/2019	Telephone: 512-834-6787 Last EDR Contact: 02/19/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies
COAL ASH: Coal Ash Disposal Sites	
A listing of facilities that use surface impound	ments or landfills to dispose of coal ash.
Date of Government Version: 05/02/2018 Date Data Arrived at EDR: 05/07/2018	Source: Texas Commission on Environmental Quality
Date Made Active in Reports: 06/07/2018	Telephone: 512-239-6624 Last EDR Contact: 01/28/2019
Number of Days to Update: 31	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Varies
DRYCLEANERS: Drycleaner Registration Databa A listing of drycleaning facilities.	se Listing
Date of Government Version: 02/01/2019 Date Data Arrived at EDR: 02/27/2019	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160
Date Made Active in Reports: 04/11/2019	Last EDR Contact: 02/27/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies
ED AQUIF: Edwards Aquifer Permits	
located in the Austin Region (Hays, Travis, a	
Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019	Source: Texas Commission on Environmental Quality, Austin Regior Telephone: 512-339-2929
Date Made Active in Reports: 03/26/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 60	Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies
ENFORCEMENT: Notice of Violations Listing A listing of permit violations.	
Date of Government Version: 01/25/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/29/2019 Date Made Active in Reports: 03/26/2019	Telephone: 512-239-6012 Last EDR Contact: 04/01/2019
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Semi-Annually
Financial Assurance 1: Financial Assurance Inforr Financial assurance information.	nation Listing
Date of Government Version: 01/07/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/10/2019	Telephone: 512-239-6239
Date Made Active in Reports: 03/26/2019 Number of Days to Update: 75	Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Varies

### Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/12/2019 Number of Days to Update: 16 Source: Texas Commission on Environmental Quality Telephone: 512-239-0986 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### GCC: Groundwater Contamination Cases

Texas Water Code, Section 26.406 requires the annual report to describe the current status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The report is required to contain a description of each case of groundwater contamination documented during the previous calendar year. Also to be included, is a description of each case of contamination documented during previous periods for which voluntary clean up action was incomplete at the time the preceding report was issued. The report is also required to indicate the status of enforcement action for each listed case.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 08/31/2018 Date Made Active in Reports: 09/26/2018 Number of Days to Update: 26 Source: Texas Commission on Environmental Quality Telephone: 512-239-5690 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Annually

### IOP: Innocent Owner/Operator Program

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Date of Government Version: 10/01/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/08/2018 Number of Days to Update: 37 Source: Texas Commission on Environmental Quality Telephone: 512-239-5894 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

#### LEAD: Lead Inspection Listing Lead inspection sites

Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 02/22/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 35 Source: Department of State Health Services Telephone: 512-834-6600 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

### Ind. Haz Waste: Industrial & Hazardous Waste Database

Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 01/04/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/16/2019	Telephone: 512-239-0985
Date Made Active in Reports: 03/26/2019	Last EDR Contact: 04/17/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Annually

### MSD: Municipal Settings Designations Database

An MSD is an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not use as potable water, and is prohibited from future use as potatable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Date of Government Version: 01/18/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 65	Source: Texas Commission on Environmental Quality Telephone: 512-239-4982 Last EDR Contact: 01/16/2019 Next Scheduled EDR Contact: 05/11/2019 Data Release Frequency: Varies
NPDES: NPDES Facility List Permitted wastewater outfalls.	
Date of Government Version: 02/12/2019 Date Data Arrived at EDR: 02/14/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 43	Source: Texas Commission on Environmental Quality Telephone: 512-239-4591 Last EDR Contact: 02/14/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies
RWS: Radioactive Waste Sites Sites in the State of Texas that have been de	signated as Radioactive Waste sites.
Date of Government Version: 07/24/2006 Date Data Arrived at EDR: 12/14/2006 Date Made Active in Reports: 01/23/2007 Number of Days to Update: 40	Source: Texas Commission on Environmental Quality Telephone: 512-239-0859 Last EDR Contact: 02/15/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Semi-Annually
TIER 2: Tier 2 Chemical Inventory Reports A listing of facilities which store or manufactu	re hazardous materials and submit a chemical inventory report.
Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 06/07/2013 Date Made Active in Reports: 07/22/2013 Number of Days to Update: 45	Source: Department of State Health Services Telephone: 512-834-6603 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually
	Q. Class V wells are used to inject non-hazardous fluids underground. astes into or above underground sources of drinking water and can pose
Date of Government Version: 01/15/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 71	Source: Texas Commission on Environmental Quality Telephone: 512-239-6627 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Varies
IHW CORR ACTION: IHW CORR ACTION Industrial hazardous waste facilities with corr	ective actions.
Date of Government Version: 01/14/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 68	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	f Stage II Rule a?? Gasoline dispensing facilities (GDFs) may begin on May 16, 2014 providing that all other requirements for decommissioning tion.
Date of Government Version: 01/17/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Lindate: 78	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019

Next Scheduled EDR Contact: 07/08/2019

Data Release Frequency: Varies

Number of Days to Update: 78

TC5631236.11s Page GR-25

### COMP HIST: Compliance History Listing A listing of compliance histories of regulated entities

Date of Government Version: 11/15/2018 Date Data Arrived at EDR: 11/29/2018 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 71 Source: Txas Commission on Environmental Quality Telephone: 512-239-3282 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

## EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

# EDR RECOVERED GOVERNMENT ARCHIVES

### **Exclusive Recovered Govt. Archives**

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013	Source: Texas Commission on Environmental Quality Telephone: N/A
Date Made Active in Reports: 12/26/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 178	Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Telephone: N/A

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

**COUNTY RECORDS** 

### TRAVIS COUNTY:

HIST UST AUSTIN: Historic Tank Records

A listing of historic records from the City of Austin.

Date of Government Version: 06/25/2012 Date Data Arrived at EDR: 06/29/2012 Date Made Active in Reports: 08/23/2012 Number of Days to Update: 55 Source: Department of Planning & Development Review Telephone: 512-974-2715 Last EDR Contact: 03/04/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

Source: Texas Commission on Environmental Quality

# **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/11/2019 Date Data Arrived at EDR: 02/12/2019 Date Made Active in Reports: 03/04/2019 Number of Days to Update: 20 Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 02/12/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information	
Hazardous waste manifest information. Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 07/13/2018 Date Made Active in Reports: 08/01/2018	Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 04/10/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Annually
NY MANIFEST: Facility and Manifest Data Manifest is a document that lists and tracks h facility.	nazardous waste from the generator through transporters to a TSE
Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 01/30/2019 Date Made Active in Reports: 02/14/2019 Number of Days to Update: 15	Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 01/30/2019 Next Scheduled EDR Contact: 05/11/2019 Data Release Frequency: Quarterly
PA MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/27/2018 Number of Days to Update: 35	Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
RI MANIFEST: Manifest information Hazardous waste manifest information	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018 Number of Days to Update: 45	Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually
VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.	
Date of Government Version: 01/16/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 02/19/2019 Number of Days to Update: 33	Source: Department of Environmental Conservation Telephone: 802-241-3443 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
WI MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/15/2018 Date Made Active in Reports: 07/09/2018 Number of Days to Update: 24	Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 03/11/2019 Next Scheduled EDR Contact: 06/24/2019 Data Release Frequency: Annually
Gases (Miscellaneous)) N = Natural Gas Bundle (Miscellaneous)). This map includes information	, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty e (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases ocopyrighted by PennWell Corporation. This information Corporation does not guarantee its accuracy nor warrant

its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services Telephone: 512-438-3269

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

# STREET AND ADDRESS INFORMATION

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# **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

## TARGET PROPERTY ADDRESS

WHARTON 2 UNKNOWN WHARTON, TX 77488

# TARGET PROPERTY COORDINATES

Latitude (North):	29.307581 - 29° 18' 27.29"
Longitude (West):	96.101672 - 96° 6' 6.02''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	781525.8
UTM Y (Meters):	3245374.0
Elevation:	100 ft. above sea level

# USGS TOPOGRAPHIC MAP

Target Property Map:	5937251 WHARTON, TX
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

# **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

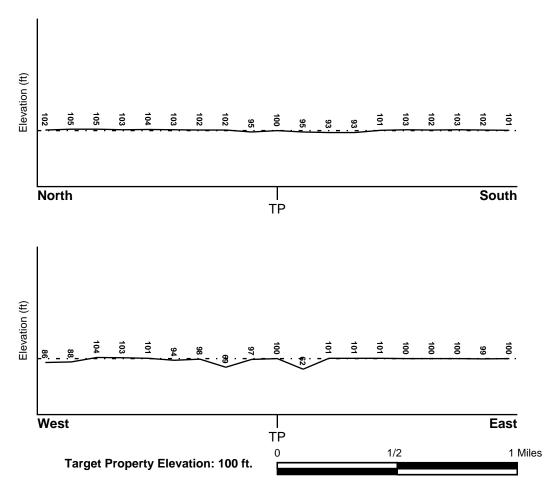
# **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

# TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

# SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

# HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
4806520210C	FEMA Q3 Flood data
Additional Panels in search area:	FEMA Source Type
4806540005C 4806520220C	FEMA Q3 Flood data FEMA Q3 Flood data
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property WHARTON	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

# HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeolog	ical Data*:
Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

# **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

# **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

# **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

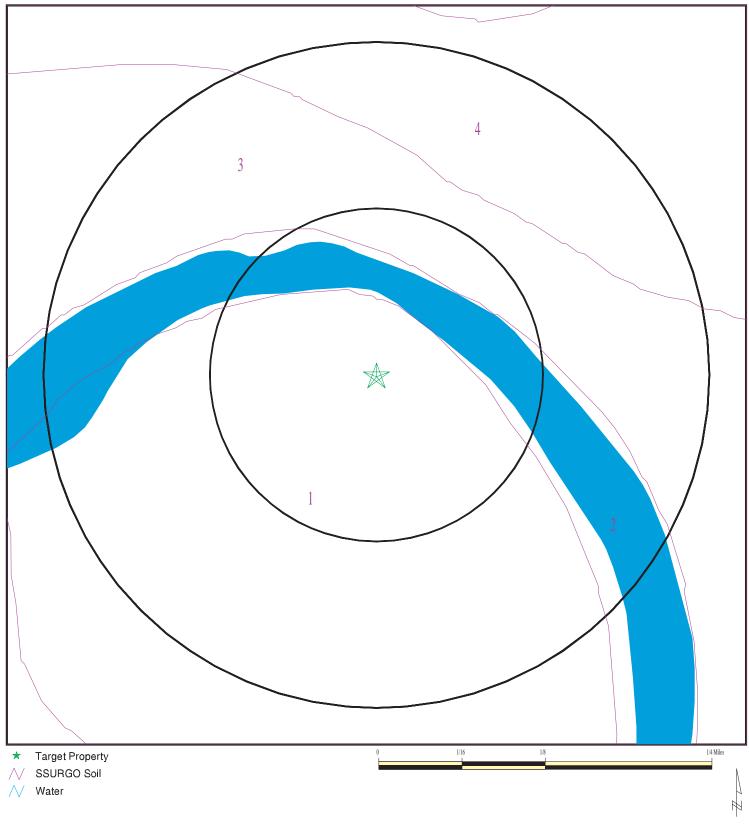
# **ROCK STRATIGRAPHIC UNIT**

# GEOLOGIC AGE IDENTIFICATION

Era: Svstem:	Cenozoic Category: Quaternary	Stratifed Sequence
Series:	Holocene	
Code:	Qh (decoded above as Era, System & Series)	

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).





Wharton TX 77488         INQUIRY #: 5631236.11s           LAT/LONG:         29.307581 / 96.101672         DATE: April 24, 2019 11:28 am	SITE NAME: Wharton 2 ADDRESS: Unknown Wharton TX 77488 CONTACT: David Clark INQUIRY #: 5631236.11s	
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### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1	
Soil Component Name:	Norwood
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 130 inches

	Soil Layer Information						
Boundary Classification Saturated hydraulic							
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	9 inches	59 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2	
Soil Component Name:	Water
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:

Hydric Status: Unknown	
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches
No Layer Information available.	

Soil Map ID: 3	
Soil Component Name:	Brazoria
Soil Surface Texture:	clay
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Moderately well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel	: High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
Boundary Classification Saturated							
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	59 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4

Soil Map ID: 4	
Soil Component Name:	Norwood
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
Boundary Classification Saturated hydraulic							
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	9 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No Wells Found		

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	FROM TP
A25	TX2410013	1/4 - 1/2 Mile NNW

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID         WELL ID         FROM TP           1         TXPLU5000089248         T/8 - 1/4 Mile SSW           A2         TXPLU5000164830         1/4 - 1/2 Mile North           A3         TXPLU5000164830         1/4 - 1/2 Mile North           A4         TXPLU5000164829         1/4 - 1/2 Mile North           A5         TXMON5000380615         1/4 - 1/2 Mile North           A6         TXPLU5000164828         1/4 - 1/2 Mile North           A7         TXPLU5000164837         1/4 - 1/2 Mile North           A8         TXPLU5000164833         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXMON5000308113         1/4 - 1/2 Mile North           A12         TXMON5000308113         1/4 - 1/2 Mile North           A13         TXMON5000308113         1/4 - 1/2 Mile North           A14         TXMON500037059         1/4 - 1/2 Mile North           A15         TXMON500037059         1/4 - 1/2 Mile North           A18         TXMON500037059         1/4 - 1/2 Mile North           A20         TXMON500037059         1/4 - 1/2 Mile North           A21         TXMON500038115         1/4 - 1/2 Mile North           A22         TXMON500038115         1/4 -			LOCATION
A2         TXPLU5000164830         1/4 - 1/2 Mile North           A3         TXPLU5000164829         1/4 - 1/2 Mile North           A4         TXPLU5000164829         1/4 - 1/2 Mile North           A5         TXMON5000380615         1/4 - 1/2 Mile North           A6         TXPLU5000164828         1/4 - 1/2 Mile North           A7         TXPLU50001648336         1/4 - 1/2 Mile North           A8         TXPLU5000164833         1/4 - 1/2 Mile North           A9         TXPLU5000164833         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164833         1/4 - 1/2 Mile North           A12         TXMON5000308111         1/4 - 1/2 Mile North           A13         TXMON5000308113         1/4 - 1/2 Mile North           A15         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON500037059         1/4 - 1/2 Mile North           A17         TXMON500037059         1/4 - 1/2 Mile North           A18         TXMON500037059         1/4 - 1/2 Mile North           A20         TXMON500037058         1/4 - 1/2 Mile North           A21         TXMON500037059         1/4 - 1/2 Mile North           A22         TXMON500037059 </td <td>MAP ID</td> <td>WELL ID</td> <td>FROM TP</td>	MAP ID	WELL ID	FROM TP
A3         TXPLU5000164831         1/4 - 1/2 Mile North           A4         TXPLU5000164829         1/4 - 1/2 Mile North           A5         TXMON5000380615         1/4 - 1/2 Mile North           A6         TXPLU5000164838         1/4 - 1/2 Mile North           A7         TXPLU5000164836         1/4 - 1/2 Mile North           A8         TXPLU5000164835         1/4 - 1/2 Mile North           A9         TXPLU5000164833         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164834         1/4 - 1/2 Mile North           A12         TXMON5000386113         1/4 - 1/2 Mile North           A13         TXMON5000277019         1/4 - 1/2 Mile North           A14         TXMON5000277019         1/4 - 1/2 Mile North           A17         TXMON5000337059         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337058         1/4 - 1/2 Mile North           A21         TXMON500038114         1/4 - 1/2 Mile North           A22         TXMON50003815         1/4 - 1/2 Mile North           A23         TXMON500038115         1/4 - 1/2 Mile North           A24         TXOON500038116<	1	TXPLU5000089248	1/8 - 1/4 Mile SSW
A4         TXPLU5000164829         1/4 - 1/2 Mile North           A5         TXMON5000380615         1/4 - 1/2 Mile North           A6         TXPLU5000164828         1/4 - 1/2 Mile North           A7         TXPLU5000164836         1/4 - 1/2 Mile North           A8         TXPLU5000164835         1/4 - 1/2 Mile North           A9         TXPLU5000164833         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164833         1/4 - 1/2 Mile North           A12         TXMON5000308111         1/4 - 1/2 Mile North           A13         TXMON5000308113         1/4 - 1/2 Mile North           A14         TXMON5000277019         1/4 - 1/2 Mile North           A15         TXMON500037059         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337059         1/4 - 1/2 Mile North           A21         TXMON5000337059         1/4 - 1/2 Mile North           A22         TXMON5000337059         1/4 - 1/2 Mile North           A23         TXMON5000337059         1/4 - 1/2 Mile North           A24         TXDOL200016	A2	TXPLU5000164830	1/4 - 1/2 Mile North
A5         TXMON5000380615         1/4 - 1/2 Mile North           A6         TXPLU5000164828         1/4 - 1/2 Mile North           A7         TXPLU5000164835         1/4 - 1/2 Mile North           A8         TXPLU5000164835         1/4 - 1/2 Mile North           A9         TXPLU5000164833         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164834         1/4 - 1/2 Mile North           A12         TXMON500036013         1/4 - 1/2 Mile North           A13         TXMON5000308111         1/4 - 1/2 Mile North           A14         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON500038114         1/4 - 1/2 Mile North           A18         TXMON500038114         1/4 - 1/2 Mile North           A19         TXMON5000387059         1/4 - 1/2 Mile North           A20         TXMON500038115         1/4 - 1/2 Mile North           A21         TXMON500038115         1/4 - 1/2 Mile North           A22         TXMON500038115         1/4 - 1/2 Mile North           A23         TXMON500038115         1/4 - 1/2 Mile North           A22         TXMON500038115         1/4 - 1/2 Mile North           A23         TXMON500035061 <td>A3</td> <td>TXPLU5000164831</td> <td>1/4 - 1/2 Mile North</td>	A3	TXPLU5000164831	1/4 - 1/2 Mile North
A6         TXPLU5000164828         1/4 - 1/2 Mile North           A7         TXPLU5000164836         1/4 - 1/2 Mile North           A8         TXPLU5000164837         1/4 - 1/2 Mile North           A9         TXPLU5000164833         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164834         1/4 - 1/2 Mile North           A12         TXMON5000366113         1/4 - 1/2 Mile North           A13         TXMON5000366113         1/4 - 1/2 Mile North           A14         TXMON5000368113         1/4 - 1/2 Mile North           A15         TXMON500077019         1/4 - 1/2 Mile North           A16         TXMON500037059         1/4 - 1/2 Mile North           A17         TXMON5000337059         1/4 - 1/2 Mile North           A18         TXMON5000337058         1/4 - 1/2 Mile North           A20         TXMON500038115         1/4 - 1/2 Mile North           A21         TXMON5000308116         1/4 - 1/2 Mile North           A22         TXMON5000308116         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL200163305         1/4 - 1/2 Mile North           A25         TXMON5000308	A4	TXPLU5000164829	1/4 - 1/2 Mile North
A7         TXPLU5000164836         1/4 - 1/2 Mile North           A8         TXPLU5000164837         1/4 - 1/2 Mile North           A9         TXPLU5000164835         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164834         1/4 - 1/2 Mile North           A12         TXMON500036013         1/4 - 1/2 Mile North           A13         TXMON5000308111         1/4 - 1/2 Mile North           A14         TXMON5000308113         1/4 - 1/2 Mile North           A15         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON500038114         1/4 - 1/2 Mile North           A17         TXMON500038114         1/4 - 1/2 Mile North           A18         TXMON500037059         1/4 - 1/2 Mile North           A20         TXMON500037058         1/4 - 1/2 Mile North           A21         TXMON500038115         1/4 - 1/2 Mile North           A22         TXMON500038115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A26         TXMON5000166331         1/4 - 1/2 Mile North           A26         TXMON500016631         1/4 - 1/2 Mile NNW           A27         TXPLU5000112441 </td <td>A5</td> <td>TXMON5000380615</td> <td>1/4 - 1/2 Mile North</td>	A5	TXMON5000380615	1/4 - 1/2 Mile North
A8         TXPLU5000164837         1/4 - 1/2 Mile North           A9         TXPLU5000164835         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164833         1/4 - 1/2 Mile North           A12         TXMON5000356013         1/4 - 1/2 Mile North           A13         TXMON500038111         1/4 - 1/2 Mile North           A14         TXMON500038113         1/4 - 1/2 Mile North           A15         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON500038114         1/4 - 1/2 Mile North           A17         TXMON500038114         1/4 - 1/2 Mile North           A18         TXMON500038114         1/4 - 1/2 Mile North           A19         TXMON500038115         1/4 - 1/2 Mile North           A20         TXMON500038115         1/4 - 1/2 Mile North           A21         TXMON500038115         1/4 - 1/2 Mile North           A22         TXMON500038115         1/4 - 1/2 Mile North           A23         TXMON500038116         1/4 - 1/2 Mile North           A24         TXDOL2000166931         1/4 - 1/2 Mile North           A25         TXMON500012904         1/4 - 1/2 Mile NNW           A26         TXMON50003050598 <td>A6</td> <td>TXPLU5000164828</td> <td>1/4 - 1/2 Mile North</td>	A6	TXPLU5000164828	1/4 - 1/2 Mile North
A9         TXPLU5000164835         1/4 - 1/2 Mile North           A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164834         1/4 - 1/2 Mile North           A12         TXMON5000308111         1/4 - 1/2 Mile North           A13         TXMON500038113         1/4 - 1/2 Mile North           A14         TXMON5000277019         1/4 - 1/2 Mile North           A15         TXMON5000277018         1/4 - 1/2 Mile North           A16         TXMON500038114         1/4 - 1/2 Mile North           A17         TXMON500037059         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337059         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A25         TXMON500035051         1/4 - 1/2 Mile North           A26         TXMON500012443         1/4 - 1/2 Mile NNW           A27         TXPLU5000121443         1/4 - 1/2 Mile NNW           A28         TXDOL200016349	A7	TXPLU5000164836	1/4 - 1/2 Mile North
A10         TXPLU5000164833         1/4 - 1/2 Mile North           A11         TXPLU5000164834         1/4 - 1/2 Mile North           A12         TXMON500036013         1/4 - 1/2 Mile North           A13         TXMON5000308111         1/4 - 1/2 Mile North           A14         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON5000370572         1/4 - 1/2 Mile North           A17         TXMON500037059         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337060         1/4 - 1/2 Mile North           A21         TXMON5000308115         1/4 - 1/2 Mile North           A22         TXMON5000308116         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL200016305         1/4 - 1/2 Mile NNW           A25         TXMON5000305         1/4 - 1/2 Mile NNW           A28         TXDOL2000163497         1/4 - 1/2 Mile NNW           A28         TXDOL2000163497         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000023294	-		
A11         TXPLU5000164834         1/4 - 1/2 Mile North           A12         TXMON5000356013         1/4 - 1/2 Mile North           A13         TXMON5000308111         1/4 - 1/2 Mile North           A14         TXMON5000308113         1/4 - 1/2 Mile North           A15         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON5000277018         1/4 - 1/2 Mile North           A17         TXMON5000380114         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337058         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A22         TXMON500038115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A25         TXMON50001212443         1/4 - 1/2 Mile North           A26         TXMON500035059         1/4 - 1/2 Mile NNW           A29         TXMON5000350598         1/4 - 1/2 Mile NNW           A29         TXMON5000350598         1/4 - 1/2 Mile NNW           B31         TXMON500002294         1/4 - 1/2 Mile SSW           B33         TXMON500001294			
A12         TXMON5000356013         1/4 - 1/2 Mile North           A13         TXMON5000308111         1/4 - 1/2 Mile North           A14         TXMON5000277019         1/4 - 1/2 Mile North           A15         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON5000277018         1/4 - 1/2 Mile North           A17         TXMON500038114         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337058         1/4 - 1/2 Mile North           A21         TXMON500038115         1/4 - 1/2 Mile North           A22         TXMON500038115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL200163675         1/4 - 1/2 Mile North           A25         TXMON5000129443         1/4 - 1/2 Mile North           A26         TXMON5000129443         1/4 - 1/2 Mile North           A27         TXPLU5000112443         1/4 - 1/2 Mile North           A28         TXDOL2000163305         1/4 - 1/2 Mile NNW           A29         TXMON5000350598         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON500003201			
A13         TXMON5000308111         1/4 - 1/2 Mile North           A14         TXMON5000308113         1/4 - 1/2 Mile North           A15         TXMON50000277019         1/4 - 1/2 Mile North           A16         TXMON5000078572         1/4 - 1/2 Mile North           A17         TXMON500038114         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A19         TXMON5000337050         1/4 - 1/2 Mile North           A20         TXMON5000337058         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A25         TXMON5000121443         1/4 - 1/2 Mile NNW           A26         TXMON500012904         1/4 - 1/2 Mile NNW           A28         TXDOL2000163497         1/4 - 1/2 Mile NNW           A29         TXMON5000350598         1/4 - 1/2 Mile SSW           B31         TXMON500032904         1/4 - 1/2 Mile SSW           B33         TXMON500032924         1/4 - 1/2 Mile SSW           C34         TXEQ6000023294			
A14         TXMON5000308113         1/4 - 1/2 Mile North           A15         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON5000277018         1/4 - 1/2 Mile North           A17         TXMON5000277018         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A19         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337058         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A26         TXMON5000166931         1/4 - 1/2 Mile NNW           A27         TXPLU5000112443         1/4 - 1/2 Mile NNW           A28         TXDOL2000163497         1/4 - 1/2 Mile NNW           A29         TXWDN5000350598         1/4 - 1/2 Mile SSW           B31         TXMON50000350598         1/4 - 1/2 Mile SSW           C34         TXEQ6000023294         1/4 - 1/2 Mile SSW           C35         TXWDB7000112440         1/4 - 1/2 Mile SSW           C36         TXWDB7000112439 <td></td> <td></td> <td></td>			
A15         TXMON5000277019         1/4 - 1/2 Mile North           A16         TXMON5000078572         1/4 - 1/2 Mile North           A17         TXMON5000277018         1/4 - 1/2 Mile North           A18         TXMON500037059         1/4 - 1/2 Mile North           A19         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337060         1/4 - 1/2 Mile North           A21         TXMON5000308115         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A25         TXMON5000121443         1/4 - 1/2 Mile NNW           A27         TXPLU5000121443         1/4 - 1/2 Mile NNW           A28         TXDOL2000163497         1/4 - 1/2 Mile SSW           B30         TXDOL2000163497         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000023294         1/4 - 1/2 Mile SSW           B33         TXDOL2000163642         1/4 - 1/2 Mile SSW           B36         TXDOL2000163642         1/4 - 1/2 Mile SSW           B36         TXDUL2000163642			
A16         TXMON5000078572         1/4 - 1/2 Mile North           A17         TXMON5000277018         1/4 - 1/2 Mile North           A18         TXMON5000337059         1/4 - 1/2 Mile North           A19         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337050         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A26         TXMON5000166331         1/4 - 1/2 Mile NNW           A27         TXPLU5000121443         1/4 - 1/2 Mile NNW           A28         TXDOL2000163305         1/4 - 1/2 Mile NNW           A29         TXWDB7000112441         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000320294         1/4 - 1/2 Mile SSW           B33         TXMON5000320294         1/4 - 1/2 Mile SSW           B33         TXMON5000320294         1/4 - 1/2 Mile SSW           B36         TXDOL2000163642         1/4 - 1/2 Mile SSW           B36         TXDUL2000163642			
A17         TXMON5000277018         1/4 - 1/2 Mile North           A18         TXMON5000308114         1/4 - 1/2 Mile North           A19         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337058         1/4 - 1/2 Mile North           A21         TXMON5000308115         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A26         TXMON5000121443         1/4 - 1/2 Mile NNW           A27         TXPLU5000121443         1/4 - 1/2 Mile NNW           A28         TXDOL2000163497         1/4 - 1/2 Mile NNW           A29         TXMON5000350598         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON50003294         1/4 - 1/2 Mile SSW           C34         TXEQ6000023294         1/4 - 1/2 Mile Sowth           D36         TXDOL2000163642         1/4 - 1/2 Mile Sowth           D37         TXMON500008765         1/4 - 1/2 Mile Sowth           D38         TXDOL2000163642         1/4 - 1/2 Mile Sowth           D38         TXDOL2000163642	-		
A18         TXMON5000308114         1/4 - 1/2 Mile North           A19         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337060         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A21         TXMON5000308115         1/4 - 1/2 Mile North           A22         TXMON5000308116         1/4 - 1/2 Mile North           A23         TXMON5000166931         1/4 - 1/2 Mile North           A26         TXMON5000166931         1/4 - 1/2 Mile NNW           A27         TXPLU5000121443         1/4 - 1/2 Mile NNW           A28         TXDOL2000163305         1/4 - 1/2 Mile NNW           A29         TXWDB7000112441         1/4 - 1/2 Mile SSW           B30         TXDOL2000163497         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON50003294         1/4 - 1/2 Mile SSW           C34         TXEQ60000023294         1/4 - 1/2 Mile South           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU50000012439         1/4 - 1/2 Mile South           C39         TXWDB700012439	-		
A19         TXMON5000337059         1/4 - 1/2 Mile North           A20         TXMON5000337060         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A26         TXMON5000166931         1/4 - 1/2 Mile NNW           A27         TXPLU5000121443         1/4 - 1/2 Mile NNW           A28         TXDOL2000163305         1/4 - 1/2 Mile NNW           A29         TXWDB7000112441         1/4 - 1/2 Mile NNW           B30         TXDOL2000163497         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B32         TXMON5000350601         1/4 - 1/2 Mile SSW           C34         TXEQ60000023294         1/4 - 1/2 Mile SWW           C35         TXMON5000087185         1/4 - 1/2 Mile South           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000200132         1/4 - 1/2 Mile South           D38         TXPLU5000079765         1/4 - 1/2 Mile South           C39         TXMON500007672			
A20         TXMON5000337060         1/4 - 1/2 Mile North           A21         TXMON5000337058         1/4 - 1/2 Mile North           A22         TXMON5000308115         1/4 - 1/2 Mile North           A23         TXMON5000308116         1/4 - 1/2 Mile North           A24         TXDOL2000163675         1/4 - 1/2 Mile North           A26         TXMON500016931         1/4 - 1/2 Mile North           A26         TXMON500016931         1/4 - 1/2 Mile NNW           A27         TXPLU5000121443         1/4 - 1/2 Mile NNW           A28         TXDOL2000163305         1/4 - 1/2 Mile NNW           A29         TXWDB7000112441         1/4 - 1/2 Mile NNW           B30         TXMON5000350598         1/4 - 1/2 Mile SSW           B31         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000350601         1/4 - 1/2 Mile SSW           C34         TXEQ60000023294         1/4 - 1/2 Mile South           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON500087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile SW           40         TXMON500020132         1/4 - 1/2 Mile SW           41         TXPLU5000079216         <	-		
A21       TXMON5000337058       1/4 - 1/2 Mile North         A22       TXMON5000308115       1/4 - 1/2 Mile North         A23       TXMON5000308116       1/4 - 1/2 Mile North         A24       TXDOL2000163675       1/4 - 1/2 Mile North         A26       TXMON5000166931       1/4 - 1/2 Mile North         A26       TXDOL2000163305       1/4 - 1/2 Mile NNW         A27       TXPLU5000121443       1/4 - 1/2 Mile NNW         A28       TXDOL2000163405       1/4 - 1/2 Mile NNW         A29       TXWDB7000112441       1/4 - 1/2 Mile SSW         B30       TXDOL2000163497       1/4 - 1/2 Mile SSW         B31       TXMON5000350598       1/4 - 1/2 Mile SSW         B32       TXMON500032904       1/4 - 1/2 Mile SSW         B33       TXMON50003294       1/4 - 1/2 Mile SSW         B33       TXMON5000023294       1/4 - 1/2 Mile South         D36       TXDOL2000163642       1/4 - 1/2 Mile South         D37       TXMON5000087185       1/4 - 1/2 Mile South         D38       TXPLU5000069765       1/4 - 1/2 Mile South         D38       TXPLU5000001240       1/2 - 1 Mile SSW         41       TXPLU50000072672       1/2 - 1 Mile SSW         441       TXPLU5000072672       <	-		
A22       TXMON5000308115       1/4 - 1/2 Mile North         A23       TXMON5000308116       1/4 - 1/2 Mile North         A24       TXDOL2000163675       1/4 - 1/2 Mile North         A26       TXMON5000166931       1/4 - 1/2 Mile NNW         A27       TXPLU5000121443       1/4 - 1/2 Mile NNW         A28       TXDOL2000163305       1/4 - 1/2 Mile NNW         A29       TXWDB7000112441       1/4 - 1/2 Mile SSW         B30       TXDOL2000163497       1/4 - 1/2 Mile SSW         B31       TXMON5000350598       1/4 - 1/2 Mile SSW         B32       TXMON5000350601       1/4 - 1/2 Mile SSW         B33       TXMON5000350601       1/4 - 1/2 Mile SSW         C34       TXEQ60000023294       1/4 - 1/2 Mile Sowh         D36       TXDOL2000163642       1/4 - 1/2 Mile Sowh         D37       TXMON500087185       1/4 - 1/2 Mile Sowh         D38       TXPLU5000069765       1/4 - 1/2 Mile Sowh         A0       TXPLU50000112439       1/4 - 1/2 Mile SSW         41       TXPLU5000069765       1/4 - 1/2 Mile Sowh         D38       TXPLU50000072672       1/4 - 1/2 Mile SSW         41       TXPLU5000072672       1/2 - 1 Mile NNW         44       TXPLU5000079216       1/	-		
A23       TXMON5000308116       1/4 - 1/2 Mile North         A24       TXDOL2000163675       1/4 - 1/2 Mile North         A26       TXMON5000166931       1/4 - 1/2 Mile North         A27       TXPLU5000121443       1/4 - 1/2 Mile NNW         A28       TXDOL2000163305       1/4 - 1/2 Mile NNW         A29       TXWDB7000112441       1/4 - 1/2 Mile NNW         B30       TXDOL2000163497       1/4 - 1/2 Mile SSW         B31       TXMON5000129904       1/4 - 1/2 Mile SSW         B32       TXMON5000350598       1/4 - 1/2 Mile SSW         B33       TXMON5000350601       1/4 - 1/2 Mile SSW         C34       TXEQ60000023294       1/4 - 1/2 Mile South         D36       TXDOL2000163642       1/4 - 1/2 Mile South         D37       TXMON500087185       1/4 - 1/2 Mile South         D38       TXPLU5000069765       1/4 - 1/2 Mile South         D38       TXPLU500001940       1/2 - 1 Mile SSW         41       TXPLU500001940       1/2 - 1 Mile SSW         41       TXPLU5000072672       1/2 - 1 Mile SSW         41       TXPLU5000072672       1/2 - 1 Mile NNW         E42       TXMON5000072672       1/2 - 1 Mile NSW         F45       TXDOL2000163709       1/2 - 1 Mi			
A24       TXDOL2000163675       1/4 - 1/2 Mile North         A26       TXMON5000166931       1/4 - 1/2 Mile NNW         A27       TXPLU5000121443       1/4 - 1/2 Mile NNW         A28       TXDOL2000163305       1/4 - 1/2 Mile NNW         A29       TXWDB7000112441       1/4 - 1/2 Mile NNW         B30       TXDOL2000163497       1/4 - 1/2 Mile SSW         B31       TXMON5000129904       1/4 - 1/2 Mile SSW         B32       TXMON5000350598       1/4 - 1/2 Mile SSW         B33       TXMON500032294       1/4 - 1/2 Mile SSW         C34       TXEQ6000023294       1/4 - 1/2 Mile South         D36       TXDOL2000163642       1/4 - 1/2 Mile South         D37       TXMON500087185       1/4 - 1/2 Mile South         D38       TXPLU500069765       1/4 - 1/2 Mile South         C39       TXMON500000132       1/4 - 1/2 Mile Sowth         C39       TXMON5000072672       1/2 - 1 Mile SSW         41       TXPLU5000079216       1/2 - 1 Mile SSW         E42       TXMON500072672       1/2 - 1 Mile NNW         44       TXPLU5000079216       1/2 - 1 Mile SSE         F46       TXMON5000135011       1/2 - 1 Mile SSE         F46       TXMON5000135011       1/2 - 1 Mile S			
A26       TXMON5000166931       1/4 - 1/2 Mile NNW         A27       TXPLU5000121443       1/4 - 1/2 Mile NNW         A28       TXDOL2000163305       1/4 - 1/2 Mile NNW         A29       TXWDB7000112441       1/4 - 1/2 Mile NNW         B30       TXDOL2000163497       1/4 - 1/2 Mile SSW         B31       TXMON5000129904       1/4 - 1/2 Mile SSW         B32       TXMON5000350598       1/4 - 1/2 Mile SSW         B33       TXMON500032294       1/4 - 1/2 Mile SSW         C34       TXEQ6000023294       1/4 - 1/2 Mile SW         C35       TXWDB7000112440       1/4 - 1/2 Mile South         D36       TXDOL2000163642       1/4 - 1/2 Mile South         D37       TXMON500087185       1/4 - 1/2 Mile South         D38       TXPLU5000069765       1/4 - 1/2 Mile South         C39       TXMON500020132       1/4 - 1/2 Mile Sowth         C39       TXMON5000072672       1/2 - 1 Mile SSW         41       TXPLU5000072672       1/2 - 1 Mile SSW         E42       TXMON500072672       1/2 - 1 Mile NNW         44       TXPLU5000079216       1/2 - 1 Mile NNW         F45       TXDOL2000163472       1/2 - 1 Mile SSE         F46       TXMON5000135011       1/2 - 1 Mile SSE	-		
A27       TXPLU5000121443       1/4 - 1/2 Mile NNW         A28       TXDOL2000163305       1/4 - 1/2 Mile NNW         A29       TXWDB7000112441       1/4 - 1/2 Mile NNW         B30       TXDOL2000163497       1/4 - 1/2 Mile SSW         B31       TXMON5000129904       1/4 - 1/2 Mile SSW         B32       TXMON5000350598       1/4 - 1/2 Mile SSW         B33       TXMON5000350601       1/4 - 1/2 Mile SSW         C34       TXEQ6000023294       1/4 - 1/2 Mile SW         C35       TXMON500012440       1/4 - 1/2 Mile South         D36       TXDOL2000163642       1/4 - 1/2 Mile South         D37       TXMON5000087185       1/4 - 1/2 Mile South         D38       TXPLU5000069765       1/4 - 1/2 Mile South         C39       TXMON5000200132       1/4 - 1/2 Mile South         C39       TXMON5000200132       1/4 - 1/2 Mile SSW         41       TXPLU5000001940       1/2 - 1 Mile SSW         E42       TXMON5000072672       1/2 - 1 Mile NNW         E43       TXDOL2000163709       1/2 - 1 Mile NNW         E44       TXDOL2000163709       1/2 - 1 Mile NNW         E45       TXDOL2000163709       1/2 - 1 Mile SSE         F46       TXMON5000135011       1/2 - 1 Mile			
A28         TXDOL2000163305         1/4 - 1/2 Mile NNW           A29         TXWDB7000112441         1/4 - 1/2 Mile NNW           B30         TXDOL2000163497         1/4 - 1/2 Mile SSW           B31         TXMON5000129904         1/4 - 1/2 Mile SSW           B32         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000350601         1/4 - 1/2 Mile SSW           C34         TXEQ6000023294         1/4 - 1/2 Mile SWW           C35         TXWDB7000112440         1/4 - 1/2 Mile NNW           C36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXMON5000200132         1/4 - 1/2 Mile Sow           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           E44         TXPLU5000079216         1/2 - 1 Mile NNW           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile S			
A29       TXWDB7000112441       1/4 - 1/2 Mile NNW         B30       TXDOL2000163497       1/4 - 1/2 Mile SSW         B31       TXMON5000129904       1/4 - 1/2 Mile SSW         B32       TXMON5000350598       1/4 - 1/2 Mile SSW         B33       TXMON5000350601       1/4 - 1/2 Mile SSW         C34       TXEQ6000023294       1/4 - 1/2 Mile SSW         C35       TXWDB7000112440       1/4 - 1/2 Mile NNW         C36       TXDOL2000163642       1/4 - 1/2 Mile South         D37       TXMON5000087185       1/4 - 1/2 Mile South         D38       TXPLU5000069765       1/4 - 1/2 Mile South         C39       TXMON5000200132       1/4 - 1/2 Mile SSW         41       TXPLU5000001940       1/2 - 1 Mile SSW         41       TXPLU5000072672       1/2 - 1 Mile SSW         E42       TXMON5000072672       1/2 - 1 Mile NNW         44       TXPLU5000079216       1/2 - 1 Mile NNW         F45       TXDOL2000163472       1/2 - 1 Mile SSE         F46       TXMON5000135011       1/2 - 1 Mile SSE         G47       TXEQ6000023295       1/2 - 1 Mile NE			
B30         TXDOL2000163497         1/4 - 1/2 Mile SSW           B31         TXMON5000129904         1/4 - 1/2 Mile SSW           B32         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000350601         1/4 - 1/2 Mile SSW           C34         TXEQ6000023294         1/4 - 1/2 Mile SSW           C35         TXWDB7000112440         1/4 - 1/2 Mile NNW           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXMON5000200132         1/4 - 1/2 Mile SSW           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           E44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE			
B31         TXMON5000129904         1/4 - 1/2 Mile SSW           B32         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000350601         1/4 - 1/2 Mile SSW           C34         TXEQ60000023294         1/4 - 1/2 Mile SSW           C35         TXWDB7000112440         1/4 - 1/2 Mile NNW           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXMON5000200132         1/4 - 1/2 Mile Sow           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile SSW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE			
B32         TXMON5000350598         1/4 - 1/2 Mile SSW           B33         TXMON5000350601         1/4 - 1/2 Mile SSW           C34         TXEQ6000023294         1/4 - 1/2 Mile SSW           C35         TXWDB7000112440         1/4 - 1/2 Mile NNW           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXMON5000200132         1/4 - 1/2 Mile SSW           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE			
B33         TXMON5000350601         1/4 - 1/2 Mile SSW           C34         TXEQ6000023294         1/4 - 1/2 Mile NNW           C35         TXWDB7000112440         1/4 - 1/2 Mile NNW           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXMON5000200132         1/4 - 1/2 Mile South           C39         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile SSW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE	-		
C34         TXEQ6000023294         1/4 - 1/2 Mile NNW           C35         TXWDB7000112440         1/4 - 1/2 Mile NNW           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXWDB7000112439         1/4 - 1/2 Mile South           C39         TXWDB7000112439         1/4 - 1/2 Mile South           C39         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE	-		
C35         TXWDB7000112440         1/4 - 1/2 Mile NNW           D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXWDB7000112439         1/4 - 1/2 Mile South           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE			
D36         TXDOL2000163642         1/4 - 1/2 Mile South           D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXWDB7000112439         1/4 - 1/2 Mile South           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE			
D37         TXMON5000087185         1/4 - 1/2 Mile South           D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXWDB7000112439         1/4 - 1/2 Mile South           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           44         TXPLU5000079216         1/2 - 1 Mile SSE           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE			
D38         TXPLU5000069765         1/4 - 1/2 Mile South           C39         TXWDB7000112439         1/4 - 1/2 Mile NNW           40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile NNW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           E44         TXPLU5000079216         1/2 - 1 Mile NSW           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE			
40         TXMON5000200132         1/4 - 1/2 Mile SSW           41         TXPLU5000001940         1/2 - 1 Mile SSW           E42         TXMON5000072672         1/2 - 1 Mile SSW           E43         TXDOL2000163709         1/2 - 1 Mile NNW           E44         TXPLU5000079216         1/2 - 1 Mile NNW           E45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE	-		1/4 - 1/2 Mile South
41TXPLU50000019401/2 - 1 Mile SSWE42TXMON50000726721/2 - 1 Mile NNWE43TXDOL20001637091/2 - 1 Mile NNW44TXPLU50000792161/2 - 1 Mile WSWF45TXDOL20001634721/2 - 1 Mile SSEF46TXMON50001350111/2 - 1 Mile SSEG47TXEQ60000232951/2 - 1 Mile NE	C39	TXWDB7000112439	1/4 - 1/2 Mile NNW
E42TXMON50000726721/2 - 1 Mile NNWE43TXDOL20001637091/2 - 1 Mile NNW44TXPLU50000792161/2 - 1 Mile WSWF45TXDOL20001634721/2 - 1 Mile SSEF46TXMON50001350111/2 - 1 Mile SSEG47TXEQ60000232951/2 - 1 Mile NE	40	TXMON5000200132	1/4 - 1/2 Mile SSW
E43TXDOL20001637091/2 - 1 Mile NNW44TXPLU50000792161/2 - 1 Mile WSWF45TXDOL20001634721/2 - 1 Mile SSEF46TXMON50001350111/2 - 1 Mile SSEG47TXEQ60000232951/2 - 1 Mile NE	41	TXPLU5000001940	1/2 - 1 Mile SSW
44         TXPLU5000079216         1/2 - 1 Mile WSW           F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ6000023295         1/2 - 1 Mile NE	E42	TXMON5000072672	1/2 - 1 Mile NNW
F45         TXDOL2000163472         1/2 - 1 Mile SSE           F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ60000023295         1/2 - 1 Mile NE	E43	TXDOL2000163709	1/2 - 1 Mile NNW
F46         TXMON5000135011         1/2 - 1 Mile SSE           G47         TXEQ60000023295         1/2 - 1 Mile NE		TXPLU5000079216	
G47 TXEQ6000023295 1/2 - 1 Mile NE			
G48 TXEQ6000023293 1/2 - 1 Mile NE	-		
	G48	TXEQ60000023293	1/2 - 1 Mile NE

### **OTHER STATE DATABASE INFORMATION**

### STATE OIL/GAS WELL INFORMATION

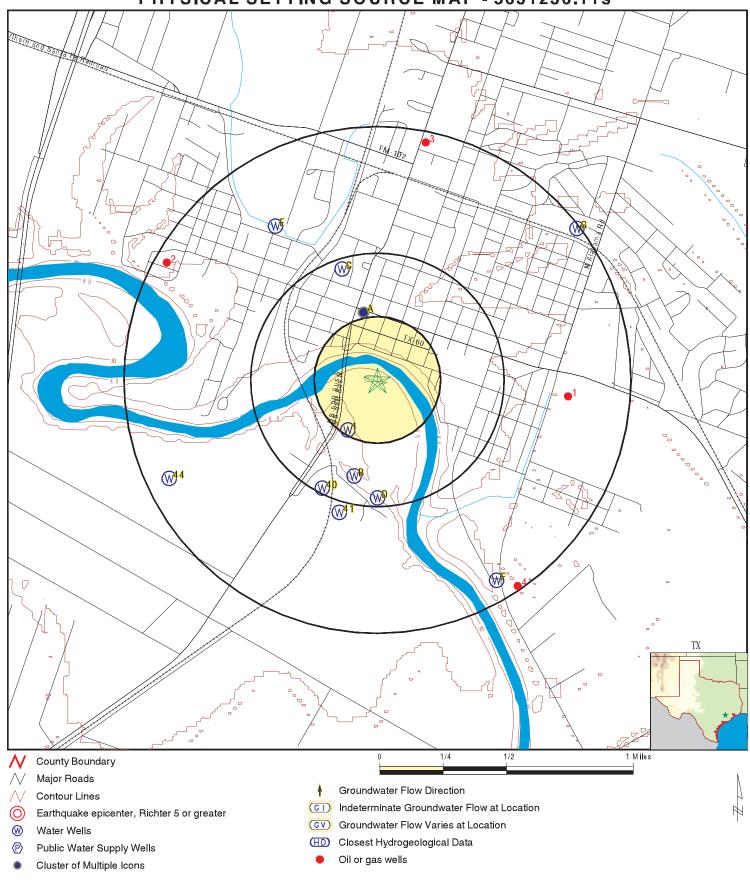
MAP ID	WELL ID	LOCATION FROM TP
1	TXOG70000221054	1/2 - 1 Mile East

### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	TXOG70000221045	1/2 - 1 Mile WNW
3	TXOG70000221034	1/2 - 1 Mile NNE
4	TXOG70000221060	1/2 - 1 Mile SE

TC5631236.11s Page A-10

### **PHYSICAL SETTING SOURCE MAP - 5631236.11s**



	ADDRESS: Unknown Wharton TX 77488	CLIENT: U.S. Army Corps of Engineers CONTACT: David Clark INQUIRY #: 5631236.11s DATE: April 24, 2019 11:28 am
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Elevation     Database     EDR ID Nu       1     SW     TX WELLS     TXPLU50000       1%-1/4 Mile     Higher     TX WELLS     TXPLU50000       Database:     Submitted Drillers Reports Database (Pluggerl)     Monitor     Monitor       Database:     Submitted Drillers Reports Database (Pluggerl)     Monitor     Monitor       Database:     Pugging Rg #:     4340     Well Type:     Monitor       Destils Reports For:     Plug Data     Submitted Date:     2001-12-18       Ownar Name:     Not Reported     Elevation:     Not Reported       Original Longent Yame:     Not Reported     Original Well Use:     Monitor       Original Date:     2000-62-28     Original Well Use:     Not Reported       Original Date:     2001-02-14     Comments:     ENTERED BY WLS       Comments:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Database:     Botton Depth:     40       Details Reports For:     Plug Bare     Diameter:     8       Typ Depth:     Not Reported     Diameter:     2       Details Reports For:     Plug Casing     Top Depth:     0       Databaser:     Submitted Drille	Map ID Direction					
SSW TX # 14 Mile Higher     TX WELLS     TX PLU50000       Database:     Submitted Drillers Reports Database (Plugged) Plugging Rpt #: 4340     Well Type: Well Type: Borehole Depth (ft): 40     Monitor       Details Reports For:     Plug Data Well Type:     Monitor     Monitor       Details Reports For:     Plug Data Well Type:     Monitor     Not Reported       Original Longer Name:     Not Reported     Elevation:     Not Reported       Original Driller:     2001-02-14     Original Driller:     LAWERNCE TOBOL/ Original Driller:     LAWERNCE TOBOL/ Original Driller:       Original Drill Date:     2000-02-28     Original Well Use:     Monitor       Original Drill Date:     2001-02-14     Variance #:     Not Reported       Company Name:     REST DRILLING SERVICES, INC.     Driller License:     4967       Plug Date:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Diameter:     8       Details Reports For:     Plug Bare Hole     Diameter:     2       Details Reports For:     Plug Range     Top Depth:     0     0       Database:     Submitted Drillers Reports Database (Plugged)     Monitor     312374	Distance Elevation			Database	EDR ID Number	
Plugging Rpt #:       4340       Well Type:       Monitor         Borshole Depth (ft):       40       Well Report #:       Not Reported         Details Reports For:       Plug Data       Submitted Date:       2001-12-18         Owner Name:       REYNOLDS METAL CO.       Well #use:       MW 15         Twells Plugged:       Not Reported       Elevation:       Not Reported         Original Company Name:       Not Reported       Elevation:       Not Reported         Original Difler:       2000-02-28       Monitor       Monitor         Plug Date:       2001-02-14       Variance #:       Not Reported         Company Name:       BEST DRILLING SERVICES, INC.       Plug Date:       201-02-14       Variance #:       Not Reported         Company Name:       BEST DRILLING SERVICES, INC.       Driller License:       4997       Apprentice Reg #:       Not Reported       Comments:       ENTERED BY WLS         Comments:       Not Reported       Diameter:       8       40       Details Reports For:       Plug Bore Hole       Diameter:       2       2         Details Reports For:       Plug Casing       Top Depth:       0       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:	SSW 1/8 - 1/4 Mile			TX WELLS	TXPLU5000089248	
Borehole Depth (ft):     40     Well Report #:     Not Reported       Details Reports For:     Plug Data     Submitted Date:     2001-12-18       Owner Name:     REYNOLDS METAL CO.     Well #:     Not Reported       Original Digency Name:     Not Reported     Original Differ:     Not Reported       Original Diate:     2000-02-28     Original Differ:     Not Reported       Plug Date:     2001-02-28     Variance #:     Not Reported       Pug Date:     2001-02-28     Variance #:     Not Reported       Pug Date:     2001-02-14     Variance #:     Not Reported       Company Name:     BEST DRILLING SERVICES, INC.     Not Reported     Submitted Differ License:     4997       Apprentice Reg #:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Details Reports For:     Plug Bare Hole     Diameter:     8       Top Depth:     Not Reported     Bottom Depth:     40     Details Reports For:     Plug Range     Top Depth:     0       Details Reports For:     Plug Range     Top Depth:     0     0     Biameter:     2       At amount:     Not Reported     Unit:     Not Reported     Not Reported       Morth     16     Plug Seai:     6     Amount:     Not Reported </td <td>Database:</td> <td>Submitted Drillers Reports Database</td> <td>e (Plugged)</td> <td></td> <td></td>	Database:	Submitted Drillers Reports Database	e (Plugged)			
Details Reports For:       Plug Data REYNOLDS METAL CO.       Well #:       2001-12-18 MW 15         Owner Name:       Not Reported       Elevation:       Not Reported         Original Company Name:       Not Reported       Original Driller:       Not Reported         Original Drill Date:       2000-02-28       Monitor       Monitor         Plug Method:       Tremmic pipe cement from bottom to top       Not Reported       Monitor         Plug Date:       2001-02-14       Variance #:       Not Reported         Company Name:       BEST DRULING SERVICES, INC.       Driller License:       4997         Pugger Name:       RUSSELL MCGOWEN       Driller License:       4997         Apprentice Reg #:       Not Reported       Comments:       ENTERED BY WLS         Comments:       Not Reported       Battom Depth:       40         Details Reports For:       Plug Bore Hole       Diameter:       2         Details Reports For:       Plug Casing       Top Depth:       0         Database:       Submitted Drillers Reports Database (Plugged)       Not Reported       Not Reported         Morth       1/2 - 2       Details Reports For:       Plug Range       Top Depth:       0         Databases:       Submitted Drillers Reports Database (Plugged) <td>Plugging Rpt #:</td> <td>4340</td> <td></td> <td>Moni</td> <td>tor</td>	Plugging Rpt #:	4340		Moni	tor	
Owner Name:     REÝNOLDS METAL CO.     Well #:     MV 15       # Wells Plugged:     Not Reported     Elevation:     Not Reported       Original Diane:     Not Reported     Original Diller:     LAWERNCE TOBOL/       Original Diller:     2000-02-28     Monitor     Monitor       Plug Method:     Tremmie pipe cement from bottom to top     Variance #:     Not Reported       Company Name:     BEST DRILLING SERVICES, INC.     Variance #:     Not Reported       Plug Date:     2001-02-14     Variance #:     Not Reported       Apprentice Reg #:     Not Reported     Diller License:     4997       Pugger Name:     RUSSELL MCGOWEN     Driller License:     4997       Comments:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Details Reports For:     Plug Bore Hole     Diameter:     8       Top Depth:     Not Reported     Diameter:     2     2       Details Reports For:     Plug Casing     Top Depth:     0     0       Bottom Depth:     0     Diameter:     2     6       Armount:     Not Reported     Unit:     Not Reported	Borehole Depth (ft):	40	Well Report #:	Not F	Reported	
Owner Name:     REVNOLDS METAL CO.     Well #:     MW 15       # Wells Plugged:     Not Reported     Elevation:     Not Reported       Original Company Name:     Not Reported     Original Driller:     LAWERNCE TOBOL/       Original Diate:     2000-02-28     Original Viell Use:     Monitor       Plug Date:     2001-02-14     Variance #:     Not Reported       Company Name:     BEST DRILLING SERVICES, INC.     Pugger Name:     A997       Pugger Name:     RUSSELL MCGOWEN     Driller License:     4997       Apprentice Reg #:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Details Reports For:     Plug Bore Hole     Diameter:     8       Top Depth:     Not Reported     Details Reports For:     Plug Casing     Top Depth:     0       Details Reports For:     Plug Casing     Top Depth:     0     0       Bottom Depth:     0     Diameter:     2     6       Armount:     Not Reported     Unit:     Not Reported       Area     Not Reported     Unit:     Not Reported       Details Reports For:     Plug Range     Top Depth:     0       Bottom Depth:     40     Plug Seal:     6       Arount:     Not Reported     Unit:     No	Details Reports For:	Plug Data	Submitted Date:	2001	-12-18	
Original Company Name: Original License #: Original Dill Date: 2000-02-28     Nor Reported Original Well Use: Monitor     LAWERNCE TOBOL/ Monitor       Plug Date: Plug Date: Company Name: Plug Date: Plug Date: Company Name: Plug Date: RUSSELL MCGOWEN Plugger Name: RUSSELL MCGOWEN Plugger Name: RUSSELL MCGOWEN Plug Date: Comments: Not Reported     Variance #: Not Reported     Not Reported       Details Reports For: Top Depth: Not Reported     Plug Date Hole Bottom Depth: 0     Diameter: 2     8 Details Reports For: Plug Casing Details Reports For: Plug Range Not Reported     0       Details Reports For: Top Depth: Not Reported     Plug Casing Top Depth: 0     Top Depth: 0     0       Details Reports For: Plug Casing Bottom Depth: 40     Plug Seal: 6 Amount: Not Reported     6 Not Reported       Armount: Not Reported     Top Depth: 0     0     0       Armount: Not Reported     Not Reported     157927 Well Type: Monitor     Monitor       Asynchic Higher     167927 Database: Submitted Drillers Reports Database (Plugged)     Monitor       Asynchic Higher     Submitted Drillers Reports Database (Plugged)     Monitor       Asynchic Higher     Submitted Drillers Reports Database (Plugged)     Monitor		REYNOLDS METAL CO.	Well #:	MW	15	
Original License #:     3026     Original Well Use:     Monitor       Original Drill Date:     2000-02-28     Plug Method:     Tremmie pipe cement from bottom to top       Plug Date:     2001-02-14     Variance #:     Not Reported       Company Name:     BEST DRILLING SERVICES, INC.     Diller License:     4997       Plugger Name:     RUSSELL MCGOWEN     Diller License:     4997       Apprentice Reg #:     Not Reported     Comments:     ENTERED BY WLS       Comments:     Not Reported     Details Reports For:     Plug Bore Hole     Diameter:     8       Top Depth:     Not Reported     Bottom Depth:     40       Details Reports For:     Plug Casing     Top Depth:     0       Details Reports For:     Plug Range     Top Depth:     0       Bottom Depth:     0     Diameter:     2       Details Reports For:     Plug Range     Top Depth:     0       Bottom Depth:     0     Plug Seal:     6       Armount:     Not Reported     Unit:     Not Reported	# Wells Plugged:	Not Reported	Elevation:	Not F	Reported	
Original Drill Date:       2000-02-28         Plug Method:       Tremmie pipe cement from bottom to top         Plug Date:       2001-02-14       Variance #:       Not Reported         Company Name:       BEST DRILLING SERVICES, INC.       Plug Parame:       4997         Apprentice Reg #:       Not Reported       Comments:       4997         Optimities       Not Reported       Comments:       ENTERED BY WLS         Details Reports For:       Plug Bore Hole       Diameter:       8         Top Depth:       Not Reported       Bottom Depth:       40         Details Reports For:       Plug Casing       Top Depth:       0         Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       0       Diameter:       6         Arount:       Not Reported       Unit:       Not Reported         TX WELLS TXPLU50001         Vita - 12 Mile       Morth       TX WELLS       TXPLU50001         Vita - 12 Mile       Diabase:       Submitted Drillers Reports Database (Plugged)       Monitor         Plugging Rt #:       167927       Well Type:       Monitor       312374	Original Company Name:	Not Reported	Original Driller:	LAW	ERNCE TOBOLA	
Plug Method:       Tremmie pipe cement from bottom to top         Plug Date:       2001-02-14       Variance #:       Not Reported         Company Name:       BEST DRILLING SERVICES, INC.       Diller License:       4997         Plugger Name:       RUSSELL MCGOWEN       Diller License:       4997         Apprentice Reg #:       Not Reported       Comments:       ENTERED BY WLS         Details Reports For:       Plug Bore Hole       Diameter:       8         Top Depth:       Not Reported       0       Diameter:       2         Details Reports For:       Plug Casing       Top Depth:       0       0         Details Reports For:       Plug Range       Top Depth:       0       0         Bottom Depth:       0       Diameter:       2       0         Details Reports For:       Plug Range       Top Depth:       0       0         Bottom Depth:       40       Plug Seal:       6       6         Amount:       Not Reported       Unit:       Not Reported       Not Reported         TX WELLS TXPLU50001:         Morth       167927       Well Type:       Monitor         Morth       167927       Well Report #:       312374 <td colspane<="" td=""><td></td><td></td><td>Original Well Use:</td><td>Moni</td><td>tor</td></td>	<td></td> <td></td> <td>Original Well Use:</td> <td>Moni</td> <td>tor</td>			Original Well Use:	Moni	tor
Plug Date:       2001-02-14       Variance #:       Not Reported         Company Name:       BEST DRILLING SERVICES, INC.       Driller License:       4997         Apprentice Reg #:       Not Reported       Driller License:       4997         Apprentice Reg #:       Not Reported       Comments:       ENTERED BY WLS         Details Reports For:       Plug Bore Hole       Diameter:       8         Top Depth:       Not Reported       Bottom Depth:       40         Details Reports For:       Plug Casing       Top Depth:       0         Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Arnount:       Not Reported       Unit:       Not Reported         Vorth       167927       Weil Type:       Monitor         Borehole Depth (ft):       30       Weil Report #:       312374         Astoric       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001         Plugsing Rpt #:	Original Drill Date:	2000-02-28				
Plug Date:       2001-02-14       Variance #:       Not Reported         Company Name:       BEST DRILLING SERVICES, INC.       Driller License:       4997         Apprentice Reg #:       Not Reported       Driller License:       4997         Apprentice Reg #:       Not Reported       Comments:       ENTERED BY WLS         Details Reports For:       Plug Bore Hole       Diameter:       8         Top Depth:       Not Reported       Bottom Depth:       40         Details Reports For:       Plug Casing       Top Depth:       0         Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Arnount:       Not Reported       Unit:       Not Reported         Vorth       TX WELLS       TXPLU50001         1/4 - 1/2 Mile       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374         A3       TX WELLS       TXPLU50001		Tremmie pipe cement from bottom to	o top			
Company Name:     BEST DRILLING SERVICES, INC.       Plugger Name:     RUSSELL MCGOWEN       Apprentice Reg #:     Not Reported       Details Reports For:     Plug Bore Hole       Top Depth:     Not Reported       Details Reports For:     Plug Casing       Top Depth:     0       Details Reports For:     Plug Casing       Top Depth:     0       Details Reports For:     Plug Casing       Top Depth:     0       Details Reports For:     Plug Range       Top Depth:     0       Details Reports For:     Plug Range       Top Depth:     0       Details Reports For:     Plug Range       Top Depth:     0       Bottom Depth:     40       Amount:     Not Reported       Worth     Not Reported       Vorth     167927       Borehole Depth (ft):     30       A3     TX WELLS       Morth       114 - 112 Mile       Higher       Database:     Submitted Drillers Reports Database (Plugged)       Plug Sing Rpt #:     167927       Well Report #:     312374				Not F	Reported	
Plugger Name:       RUSSELL MCGOWEN       Driller License:       4997         Apprentice Reg #:       Not Reported       Comments:       ENTERED BY WLS         Comments:       Not Reported       Diameter:       8         Details Reports For:       Plug Bore Hole       Diameter:       8         Top Depth:       Not Reported       Dotameter:       2         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       Plug Range       Top Depth:       0         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         TX WELLS TXPLU50001         North         114 - 12 Mile       Migher         Plugging Rpt #:       167927       Well Report #:       312374         TX WELLS TXPLU50001         North         TX WELLS TXPLU50001         Plugging Rpt #:       167927       Well Report #:       312374         A3         <		BEST DRILLING SERVICES, INC.			•	
Apprentice Reg #:       Not Reported       Comments:       ENTERED BY WLS         Comments:       Not Reported       Diameter:       8         Top Depth:       Not Reported       Bottom Depth:       40         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         Are Taken Plug Mile Higher       Tx WELLS       TxPLU50001         Database:       Submitted Drillers Reports Database (Plugged)       Monitor         Plugging Rpt #:       167927       Well Report #:       312374         As North 1/4 - 1/2 Mile Higher       Tx WELLS       TxPLU50001         North 1/4 - 1/2 Mile Higher       Diabase:       Submitted Drillers Reports Database (Plugged)         Database:       Submitted Drillers Reports Database (Plugged)       Tx WELLS       TxPLU50001         Database:       Submitte			Driller License:	4997		
Comments:       Not Reported         Details Reports For:       Plug Bore Hole       Diameter::       8         Top Depth:       Not Reported       Bottom Depth:       40         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       Plug Range       Top Depth:       0         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported				ENT	ERED BY WLS	
Top Depth:       Not Reported       Bottom Depth:       40         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         Arount:       Not Reported       Unit:       Not Reported         A2       North       TX WELLS       TXPLU50001         Morth       14 - 1/2 Mile       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374         A3       North       TX WELLS       TXPLU50001         A14 - 1/2 Mile       Higher       TX WELLS       TXPLU50001         Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001						
Top Depth:       Not Reported       Bottom Depth:       40         Details Reports For:       Plug Casing       Top Depth:       0         Details Reports For:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         Area       North       Not Reported       Unit:       Not Reported         A2       North       Not Reported       Unit:       Not Reported         A2       North       Not Reported       Unit:       Not Reported         A3       Submitted Drillers Reports Database (Plugged)       Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374       TX WELLS       TXPLU50001         A3       North       TA       TX WELLS       TXPLU50001         A14 - 1/2 Mile       Filter       Top Depth (ft):       30       TX WELLS       TXPLU50001         A3       North       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001         Mathighter       Submitted Drillers Reports Data	Details Reports For	Plug Bore Hole	Diameter:	8		
Details Reports For:       Plug Casing       Top Depth:       0         Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         Area       North       14 - 1/2 Mile       Tx WELLS       TxPLU50001         Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374						
Bottom Depth:       0       Diameter:       2         Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         A2       North       114 - 1/2 Mile       Not Reported       TX WELLS       TXPLU50001         Mile       Higher       Database:       Submitted Drillers Reports Database (Plugged)       Monitor         Borehole Depth (ft):       30       Well Type:       Monitor         A3       North       TX WELLS       TXPLU50001         Mathematical Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001         Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001         A3       Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001         Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001		Nor Reported	Bottom Beptil.	0		
Details Reports For:       Plug Range       Top Depth:       0         Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         A2       North       114 - 1/2 Mile       TX WELLS       TXPLU50001         Higher       Database:       Submitted Drillers Reports Database (Plugged)       Monitor         Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (it):       30       Well Report #:       312374         A3       TX WELLS       TXPLU50001         Mile       Higher       Database:       Submitted Drillers Reports Database (Plugged)         Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU50001						
Bottom Depth:       40       Plug Seal:       6         Amount:       Not Reported       Unit:       Not Reported         A2       North       TX WELLS       TXPLU500014         A2       If 4 - 1/2 Mile       TX WELLS       TXPLU500014         Higher       Database:       Submitted Drillers Reports Database (Plugged)       Monitor         Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374         A3       North       TX WELLS       TXPLU500014         Higher       Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS         Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU500014	Bottom Depth:	0	Diameter:	2		
Amount:       Not Reported       Unit:       Not Reported         A2 North 1/4 - 1/2 Mile Higher       TX WELLS       TXPLU500014         Database:       Submitted Drillers Reports Database (Plugged) Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374         A3 North 1/4 - 1/2 Mile Higher       TX WELLS       TXPLU500014         Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS       TXPLU500014	Details Reports For:	Plug Range	Top Depth:	0		
A2 North 1/4 - 1/2 Mile Higher Database: Submitted Drillers Reports Database (Plugged) Plugging Rpt #: 167927 Well Type: Monitor Borehole Depth (ft): 30 Well Report #: 312374 A3 North 1/4 - 1/2 Mile Higher Database: Submitted Drillers Reports Database (Plugged)	Bottom Depth:	40	Plug Seal:	6		
North 1/4 - 1/2 Mile Higher       TX WELLS       TXPLU50001         Database:       Submitted Drillers Reports Database (Plugged) Plugging Rpt #:       Monitor         Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374         A3 North 1/4 - 1/2 Mile Higher       TX WELLS       TXPLU50001         Database:       Submitted Drillers Reports Database (Plugged)       TX WELLS	Amount:	Not Reported	Unit:	Not F	Reported	
Database:       Submitted Drillers Reports Database (Plugged)         Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374         A3       North       TX WELLS       TXPLU500014         Higher       Database:       Submitted Drillers Reports Database (Plugged)	North			TX WELLS	TXPLU5000164830	
Plugging Rpt #:       167927       Well Type:       Monitor         Borehole Depth (ft):       30       Well Report #:       312374         A3       TX WELLS       TXPLU50001         North       1/4 - 1/2 Mile       TXWELLS       TXPLU50001         Higher       Database:       Submitted Drillers Reports Database (Plugged)       Submitted Drillers Reports Database (Plugged)	Higher					
Borehole Depth (ft):       30       Well Report #:       312374         A3 North 1/4 - 1/2 Mile Higher       TX WELLS       TXPLU50001         Database:       Submitted Drillers Reports Database (Plugged)						
A3 North 1/4 - 1/2 Mile Higher Database: Submitted Drillers Reports Database (Plugged)		167927	Well Type:	Monitor		
North TX WELLS TXPLU50001 1/4 - 1/2 Mile Higher Submitted Drillers Reports Database (Plugged)	Borehole Depth (ft):	30	Well Report #:	312374		
	North 1/4 - 1/2 Mile			TX WELLS	TXPLU5000164831	
	Database:	Submitted Drillers Reports Database (Plug	iged)			
	Plugging Rpt #:	167929	Well Type:	Monitor		
Borehole Depth (ft): 30 Well Report #: 312376	Borehole Depth (ft):					

Map ID Direction				
Distance Elevation			Database	EDR ID Number
A4 North 1/4 - 1/2 Mile Higher			TX WELLS	TXPLU5000164829
Database: Plugging Rpt #: Borehole Depth (ft):	Submitted Drillers Reports Data 167926 30	base (Plugged) Well Type: Well Report #:	Monitor 312373	
A5 North 1/4 - 1/2 Mile Higher			TX WELLS	TXMON5000380615
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports 386003 Monitor Not Reported	s Database (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 30 1679	
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2015-01-19 MW-10 Not Reported Not Reported 2015-01-06 Other - HAND Not Reported Not	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not F New Not F Not F 2015 HANI Not F Not F	Reported Reported Reported -01-06
Details Reports For:	Well Drilling Method	Drill Method:		w Stem Auger
Details Reports For:	Well Completion	Borehole Completion:	Filter	Packed
Details Reports For: Top Depth: Size:	Well Filter 8 12/20	Filter Material: Bottom Depth:	Grave 30	el
Details Reports For: Bottom Depth:	Well Seal Range 2	Top Depth: Annular Seal:	0 1 Bag	g Concrete

Amount:	Not Reported	Unit:	Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 8 Not Reported	Top Depth: Annular Seal: Unit:	2 1.68 Bentonite Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Black, dark gray clay concrete, plasti	Migrated Sort #: Bottom Depth: ic	0 5
Details Reports For: Top Depth: Lithology:	Well Lithology 5 Brown sandy clay, moderate, plastic,	Migrated Sort #: Bottom Depth: , sand	0 25
Details Reports For: Top Depth: Lithology:	Well Lithology 25 Brown clay, moderate plastic	Migrated Sort #: Bottom Depth:	0 30
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2" NEW SCH 40 PVC .010 30' to 10' Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2" NEW SCH 40 PVC 10' to 0 Riser Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2" NEW Top and Bottom Cap Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported

A6 North 1/4 - 1/2 Mile Higher

TX WELLS

TXPLU5000164828

Database:	Submitted Drillers Reports Database (Plugged)			
Plugging Rpt #:	167925	Well Type:	Monitor	
Borehole Depth (ft):	30	Well Report #:	312371	

Map ID Direction Distance				
Elevation			Database	EDR ID Number
A7 North 1/4 - 1/2 Mile Higher			TX WELLS	TXPLU5000164836
Database: Plugging Rpt #: Borehole Depth (ft):	Submitted Drillers Reports Database (Plugg 167933 30	ged) Well Type: Well Report #:	Monitor 360879	
A8 North 1/4 - 1/2 Mile Higher			TX WELLS	TXPLU5000164837
Database: Plugging Rpt #: Borehole Depth (ft):	Submitted Drillers Reports Database (Plug 167934 30	ged) Well Type: Well Report #:	Monitor 386003	
A9 North 1/4 - 1/2 Mile Higher			TX WELLS	TXPLU5000164835
Database:	Submitted Drillers Reports Database (Pluge			
Plugging Rpt #: Borehole Depth (ft):	167932 30	Well Type: Well Report #:	Monitor 341683	
A10 North 1/4 - 1/2 Mile Higher			TX WELLS	TXPLU5000164833
Database: Plugging Rpt #: Borehole Depth (ft):	Submitted Drillers Reports Database (Pluge 167930 30	ged) Well Type: Well Report #:	Monitor 341681	
A11 North 1/4 - 1/2 Mile Higher			TX WELLS	TXPLU5000164834
Database: Plugging Rpt #: Borehole Depth (ft):	Submitted Drillers Reports Database (Plug 167931 30	ged) Well Type: Well Report #:	Monitor 341682	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
A12 North 1/4 - 1/2 Mile Higher			TX WELLS	TXMON5000356013
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Datab 360879 Monitor Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 30 1679	
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Suff Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2014-04-28 MW-9 Not Reported Not Reported 2014-04-21 Hand Mixed Not Reported Not Re	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not F New Not F Not F 2014 Not F Not F Yes Alter Not F Not F Vorte Not F	Petroleum Marketing Inc. Reported Well Reported Reported Reported I-04-21 Reported R
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	6 30	
Details Reports For:	Well Drilling Method	Drill Method:	Bore	d
Details Reports For:	Well Completion	Borehole Completion:	Filter	Packed
Details Reports For: Top Depth: Size:	Well Filter 8 12/20	Filter Material: Bottom Depth:	Grav 30	el
Details Reports For: Bottom Depth: Amount:	Well Seal Range 8 Not Reported	Top Depth: Annular Seal: Unit:		Bentonite Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:		Cement Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not F	Reported

Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-12" Asphalt/base	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 12"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plastic,@	Migrated Sort #: Bottom Depth: @22.5	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported v.moist	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-25 Brw.sandy clay,mod.plastic,s	Migrated Sort #: Bottom Depth: and	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 25-30 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 New Schedule 40 PVC .010 30 - 10 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 New Schedule 40 PVC 10 - 0 Riser Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2 New Top Cap Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info:	Well Casing Not Reported 2 New Bottom Cap	Migrated Sort #: Bottom Depth: Diameter:	4 Not Reported Not Reported

Casing Status: Casing Type: Gauge:

Not Reported Not Reported Not Reported Casing Material: Schedule:

Not Reported Not Reported

A13 North **TX WELLS** TXMON5000308111 1/4 - 1/2 Mile Higher Database: Submitted Drillers Reports Database (Monitoring) Well Rpt #: 312371 Well Type: New Well Proposed Use: Monitor Borehole Depth (ft): 30 Injurious Water Quality: Not Reported Plugging Rpt #: 167925 Submitted Date: 2013-02-28 Owner Name: Pak Petroleum Marketing Inc. Well #: MW-1 # Wells Drilled: Not Reported New Well Elevation: Not Reported Type of Work: Work Type Desc: Not Reported Original Well Rpt Track #: Not Reported Proposed Use: Monitor Proposed Use Desc: Not Reported TCEQ Approved Plans: PWS #: Not Reported Not Reported 2013-02-25 Drill End Date: 2013-02-25 Drill Start Date: Seal Method: Hand Mixed Seal Method Desc: Not Reported Dist to Septic/Other Contam: Not Reported Distance to Septic Tank: Not Reported Dist to Property Line: Not Reported Distance Verify Meth: Not Reported Sealed by Driller: Approved by Variance: Not Reported Yes Sealed by Name: Not Reported Surface Completion: Alternative Procedure Used Completed by Driller: Surf Complete Desc: Not Reported Not Reported Pump Type: Not Reported Pump Type Desc: Not Reported Pump Depth: Not Reported Chemical Analysis: Not Reported Injurious Water: Not Reported Company Name: Vortex Drilling, Inc. Driller Name: William A Clayton Comments: Not Reported Plugged within 48 hrs: No Plugging Rpt Tracking #: Not Reported Driller License #: 53420 Apprentice Reg #: 59318 Details Reports For: Well Bore Hole Diameter: 6 Top Depth: 0 Bottom Depth: 30 Well Drilling Method Drill Method: Details Reports For: Bored Details Reports For: Well Completion Borehole Completion: Filter Packed Details Reports For: Well Filter Filter Material: Gravel Top Depth: 3 Bottom Depth: 30 Size: 10/20 Details Reports For: Well Seal Range Top Depth: 0

Annular Seal:

Top Depth:

Annular Seal:

Unit:

Unit:

Details Reports For: Bottom Depth:

2

30

Not Reported

Well Seal Range

Not Reported

Bottom Depth:

Amount:

Amount:

2

TC5631236.11s Page A-18

0.60 Cement

Not Reported

8 Bentonite

Not Reported

Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For:	Well Plugback	Top Depth:	Not Reported
Bottom Depth: Plugback:	Not Reported N/A	Migrated Sort #:	1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-4" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 4"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plasti	Migrated Sort #: Bottom Depth: c	3 Not Reported
Details Reports For:	Well Lithology	Migrated Sort #:	4
Top Depth: Lithology:	Not Reported 22.5-23.5 Brw.clayey sand,v.moist	Bottom Depth:	Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 23.5-29 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 29-30 Brw.sandy clay,low plastic,v.	Migrated Sort #: Bottom Depth: moist	6 Not Reported
Details Reports For: Top Depth: Migrated Casing Info:	Well Casing Not Reported 2 New Schedule 40 PVC .010 30 -	Migrated Sort #: Bottom Depth: 5 Screen	1 Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material: Schedule:	Not Reported Not Reported	Casing Type: Gauge:	Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info:	Well Casing Not Reported 2 New Schedule 40 PVC 5 - 0 Rise	Migrated Sort #: Bottom Depth: r	2 Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material: Schedule:	Not Reported Not Reported	Casing Type: Gauge:	Not Reported Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	2 New Top Cap	Diameter:	Not Reported
Casing Status: Casing Type: Gauge:	Not Reported Not Reported Not Reported	Casing Material: Schedule:	Not Reported Not Reported

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

### A14 North 1/4 - 1/2 Mile Higher

Well Casing Not Reported 2 New Bottom Cap Not Reported Not Reported Not Reported Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule: 4 Not Reported Not Reported Not Reported Not Reported

### TX WELLS TXM

TXMON5000308113

Database:	Submitted Drillers Reports Da	atabase (Monitoring)	
Well Rpt #:	312373	Well Type:	New Well
Proposed Use:	Monitor	Borehole Depth (ft):	30
Injurious Water Quality:	Not Reported	Plugging Rpt #:	167926
Submitted Date:	2013-02-28	Owner Name:	Pak Petroleum Marketing Inc.
Well #:	MW-2	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Monitor	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2013-02-25	Drill End Date:	2013-02-25
Seal Method:	Hand Mixed	Seal Method Desc:	Not Reported
Dist to Septic/Other Contam:	Not Reported	Distance to Septic Tank:	Not Reported
Dist to Property Line:	Not Reported	Distance Verify Meth:	Not Reported
Approved by Variance:	Not Reported	Sealed by Driller:	Yes
Sealed by Name:	Not Reported	Surface Completion:	Alternative Procedure Used
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Not Reported	Pump Type Desc:	Not Reported
Pump Depth:	Not Reported	Chemical Analysis:	Not Reported
Injurious Water:	Not Reported	Company Name:	Vortex Drilling, Inc.
Driller Name:	William A Clayton	Comments:	Not Reported
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	53420	Apprentice Reg #:	59318
Details Reports For:	Well Bore Hole	Diameter:	6
Top Depth:	0	Bottom Depth:	30
Details Reports For:	Well Drilling Method	Drill Method:	Bored
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For:	Well Filter	Filter Material:	Gravel
Top Depth:	3	Bottom Depth:	30
Size:	10/20	Dottom Depth.	30
0120.	10/20		
Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	2	Annular Seal:	0.60 Cement
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Well Seal Range	Top Depth:	2
	Wen Ocal Mange		2

Bottom Depth: Amount:	30 Not Reported	Annular Seal: Unit:	8 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-4" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 4"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plastic	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-23.5 Brw.clayey sand,v.moist	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 23.5-25 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 25-26 Brw.clayey sand,fine grain	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 26-29 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	7 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 29-30 Brw.sandy clay low plastic,v.m	Migrated Sort #: Bottom Depth: noist	8 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 New Schedule 40 PVC .010 30 - 5 Not Reported Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2

Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

A15 North

1/4 - 1/2 Mile Higher 2 New Schedule 40 PVC 5 - 0 Riser Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Top Cap Not Reported Not Reported Not Reported

Not Reported

Well Casing Not Reported 2 New Bottom Cap Not Reported Not Reported Not Reported Bottom Depth: Casing Status: Casing Type:

Gauge:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule: Not Reported

Not Reported Not Reported Not Reported

3 Not Reported Not Reported Not Reported Not Reported

4 Not Reported Not Reported Not Reported

### TX WELLS TXMON5000277019

Database: Submitted Drillers Reports Database (Monitoring) Well Rpt #: 280881 New Well Well Type: Proposed Use: Environmental Soil Boring Borehole Depth (ft): 25 Injurious Water Quality: Not Reported Plugging Rpt #: Not Reported Submitted Date: 2012-03-12 Owner Name: Pak Petroleum Marketing Inc. Well #: SB-3A # Wells Drilled: Not Reported New Well Elevation: Not Reported Type of Work: Work Type Desc: Not Reported Original Well Rpt Track #: Not Reported Proposed Use: Environmental Soil Boring Proposed Use Desc: Not Reported TCEQ Approved Plans: Not Reported PWS #: Not Reported Drill End Date: Drill Start Date: 2012-03-08 2012-03-08 Seal Method: Hand Mixed Seal Method Desc: Not Reported Dist to Septic/Other Contam: Not Reported Distance to Septic Tank: Not Reported Dist to Property Line: Not Reported Distance Verify Meth: Not Reported Approved by Variance: Not Reported Sealed by Driller: Yes Sealed by Name: Not Reported Surface Completion: Alternative Procedure Used Not Reported Surf Complete Desc: Completed by Driller: Not Reported Pump Type: Not Reported Pump Type Desc: Not Reported Pump Depth: Not Reported Chemical Analysis: Not Reported Injurious Water: Not Reported Company Name: Vortex Drilling, Inc. Comments: Driller Name: Robert Joiner Not Reported Plugged within 48 hrs: No Plugging Rpt Tracking #: Not Reported Driller License #: 54776 Apprentice Reg #: Not Reported Well Bore Hole Details Reports For: Diameter: З 25 Top Depth: 0 Bottom Depth: Details Reports For: Well Drilling Method Drill Method: Driven

Details Reports For:	Well Completion	Borehole Completion:	Plugged
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 0.15 Cement Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 25 Not Reported	Top Depth: Annular Seal: Unit:	2 1.60 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-6" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 6"-2 Dk.gray sandy clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-7 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 7-25 Reddish brw.clay,mod.plastic,si	Migrated Sort #: Bottom Depth: mall calcar.	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported nodules	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported N/A Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported

Map ID Direction Distance				
Elevation		Da	atabase	EDR ID Number
A16 North 1/4 - 1/2 Mile Higher		נד	WELLS	TXMON5000078572
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Datab 79937 Monitor no	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	70	Well
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date:	2006-04-05 LCRA Wharton Not Reported Not Reported Monitor Not Reported 2006-03-30	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date:	Not New Not Not Not	er Colorado River Authority Reported Well Reported Reported Reported S-03-31
Seal Method: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis:	Other - poured from surface poured from surface Not Reported No Surface Slab Installed Not Reported Not Reported No	Dist to Septic/Other Contan Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water:	Not Not JED Not Not	Reported Reported I Reported Reported Reported
Company Name: Driller Name: Plugged within 48 hrs: Driller License #:	JEDI Drilling Contactors,Inc Jose I Medrano Jr No 4603	Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not	Reported Reported Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	10 70	
Details Reports For:	Well Drilling Method	Drill Method:	Hollo	ow Stem Auger
Details Reports For:	Well Completion	Borehole Completion:	Othe	er - Sand 20-40
Details Reports For: Bottom Depth: Amount:	Well Seal Range 24 Not Reported	Top Depth: Annular Seal: Unit:		is Cement Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 26 Not Reported	Top Depth: Annular Seal: Unit:	24 1 C Not	hips Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 70 Not Reported	Top Depth: Annular Seal: Unit:	26 40 S Not	and Reported
Details Reports For: Top Depth:	Well Lithology 0	Migrated Sort #: Bottom Depth:	0 30	

### Lithology:

Clay Tan

Details Reports For:	
Top Depth:	
Lithology:	

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

### Well Lithology 30 Sand

Well Casing Not Reported 4 N PVC Riser 0-28 Not Reported Not Reported Not Reported

Well Casing Not Reported 4 N PVC Screen 28-68 .010 Not Reported Not Reported Not Reported

Well Casing Not Reported 4 N PVC Riser 68-70 Not Reported Not Reported Not Reported

# Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Migrated Sort #:

Bottom Depth:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

0 70

1

Not Reported Not Reported Not Reported Not Reported

### 2 Not Reported Not Reported Not Reported Not Reported

3 Not Reported Not Reported Not Reported Not Reported

**TX WELLS** 

TXMON5000277018

### A17 North 1/4 - 1/2 Mile Higher

Database: Well Rpt #: Proposed Use: Injurious Water Quality:

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs:

Submitted Drillers Reports Database (Monitoring) 280880 **Environmental Soil Boring** Not Reported

2012-03-12 SB-2A Not Reported Not Reported **Environmental Soil Boring** Not Reported 2012-03-08 Hand Mixed Not Reported **Robert Joiner** No

Well Type: Borehole Depth (ft): Plugging Rpt #:

Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #:

New Well 25 Not Reported

Pak Petroleum Marketing Inc. Not Reported New Well Not Reported Not Reported Not Reported 2012-03-08 Not Reported Not Reported Not Reported Yes Alternative Procedure Used Not Reported Not Reported Not Reported Vortex Drilling, Inc. Not Reported Not Reported

Driller License #:	54776	Apprentice Reg #:	Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	3 25
Details Reports For:	Well Drilling Method	Drill Method:	Driven
Details Reports For:	Well Completion	Borehole Completion:	Plugged
Details Reports For: Bottom Depth: Amount:	Well Seal Range 25 Not Reported	Top Depth: Annular Seal: Unit:	2 1.60 Bentonite Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 0.15 Cement Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-6" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 6"-3 Dk.gray sandy clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 3-7.5 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 7.5-22.5 Reddish brw.clay,mod.plasti	Migrated Sort #: Bottom Depth: c,small	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported calcar.nodules	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-23.5 Brw.clayey sand,very mois	Migrated Sort #: Bottom Depth: t	6 Not Reported

Details Reports For:
Top Depth:
Lithology:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

### Well Lithology Not Reported 23.5-25 Brw.clay,mod.plastic

- Well Casing Not Reported N/A Not Reported Not Reported Not Reported
- Migrated Sort #: Bottom Depth:
- Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

### 7 Not Reported

1 Not Reported Not Reported Not Reported Not Reported

### TX WELLS TXMON5000308114

A18 North 1/4 - 1/2 Mile Higher

Ingrici			
Database:	Submitted Drillers Reports Da	atabase (Monitoring)	
Well Rpt #:	312374	Well Type:	New Well
Proposed Use:	Monitor	Borehole Depth (ft):	30
Injurious Water Quality:	Not Reported	Plugging Rpt #:	167927
Submitted Date:	2013-02-28	Owner Name:	Pak Petroleum Marketing Inc.
Well #:	MW-3	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Monitor	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2013-02-25	Drill End Date:	2013-02-25
Seal Method:	Hand Mixed	Seal Method Desc:	Not Reported
Dist to Septic/Other Contam:	Not Reported	Distance to Septic Tank:	Not Reported
Dist to Property Line:	Not Reported	Distance Verify Meth:	Not Reported
Approved by Variance:	Not Reported	Sealed by Driller:	Yes
Sealed by Name:	Not Reported	Surface Completion:	Alternative Procedure Used
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Not Reported	Pump Type Desc:	Not Reported
Pump Depth:	Not Reported	Chemical Analysis:	Not Reported
Injurious Water:	Not Reported	Company Name:	Vortex Drilling, Inc.
Driller Name:	William A Clayton	Comments:	Not Reported
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	53420	Apprentice Reg #:	59318
Details Reports For:	Well Bore Hole	Diameter:	6
Top Depth:	0	Bottom Depth:	30
Details Reports For:	Well Drilling Method	Drill Method:	Bored

Details Reports For:

Details Reports For:

Top Depth:

Size:

Details Reports For:

Well Seal Range

Well Completion

Well Filter

3

10/20

Top Depth:

Borehole Completion:

Filter Material:

Bottom Depth:

0

Filter Packed

Gravel

30

Bottom Depth: Amount:	2 Not Reported	Annular Seal: Unit:	0.60 Cement Not Reported
Details Reports For: Bottom Depth:	Well Seal Range 30	Top Depth: Annular Seal:	2 8 Bentonite
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Well Packers	Migrated Sort #:	1
Packers:	N/A	Depth:	Not Reported
Details Reports For: Bottom Depth:	Well Plugback Not Reported	Top Depth: Migrated Sort #:	Not Reported 1
Plugback:	N/A	C C	
Details Reports For: Top Depth:	Well Lithology Not Reported	Migrated Sort #: Bottom Depth:	1 Not Reported
Lithology:	0-4" Concrete	·	
Dataila Paparta For	Wall Lithology	Migratad Sart #:	2
Details Reports For: Top Depth:	Well Lithology Not Reported	Migrated Sort #: Bottom Depth:	∠ Not Reported
Lithology:	4"-2 Dk.gray clay,low plastic		
Details Reports For:	Well Lithology	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Lithology:	2-22.5 Reddish clay,low/mod.plastic		
Details Reports For:	Well Lithology	Migrated Sort #:	4
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Lithology:	22.5-23.5 Brw.clayey sand,v.moist		
Details Reports For:	Well Lithology	Migrated Sort #:	5
Top Depth: Lithology:	Not Reported 23.5-29 Brw.clay,mod.plastic	Bottom Depth:	Not Reported
	,,,,,		
Details Reports For:	Well Lithology	Migrated Sort #:	6
Top Depth: Lithology:	Not Reported 29-30 Brw.sandy clay,low plastic,v.m	Bottom Depth: oist	Not Reported
	,,,,,,,,,,,,,,,,		
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth: Migrated Casing Info:	Not Reported 2 New Schedule 40 PVC .010 30 - 5	Bottom Depth: Screen	Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth: Migrated Casing Info:	Not Reported 2 New Schedule 40 PVC 5 - 0 Riser	Bottom Depth:	Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported

Details Reports For:
Top Depth:
Migrated Casing Info:
Casing Status:
Casing Type:
Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

### A19 North 1/4 - 1/2 Mile Higher

Database:

Well Rpt #:

Proposed Use:

Well Casing Not Reported 2 New Top Cap Not Reported Not Reported Not Reported

> Well Casing Not Reported 2 New Bottom Cap Not Reported Not Reported Not Reported

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

3 Not Reported Not Reported Not Reported Not Reported

4 Not Reported Not Reported Not Reported Not Reported

#### TX WELLS TXMON5000337059

Submitted Drillers Reports Database (Monitoring) New Well 341682 Well Type: Monitor Borehole Depth (ft): 30 Injurious Water Quality: Not Reported Plugging Rpt #: 167931

Filter Material:

Bottom Depth:

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:

Details Reports For:

Details Reports For:

Details Reports For:

Details Reports For:

Top Depth:

Size:

Top Depth:

MW-7 Not Reported Not Reported Monitor Not Reported 2013-09-17 Hand Mixed Not Reported James E Neal No 4868

Well Bore Hole

Well Drilling Method

Well Completion

0

2013-09-25

Owner Name: Pak Petroleum Marketing Inc. # Wells Drilled: Not Reported Type of Work: New Well Original Well Rpt Track #: Not Reported Proposed Use Desc: Not Reported PWS #: Not Reported Drill End Date: 2013-09-17 Seal Method Desc: Not Reported Not Reported Distance to Septic Tank: Not Reported Distance Verify Meth: Sealed by Driller: Yes Surface Completion: Alternative Procedure Used Completed by Driller: Not Reported Pump Type Desc: Not Reported Not Reported Chemical Analysis: Vortex Drilling, Inc. Company Name: Comments: Not Reported Plugging Rpt Tracking #: Not Reported Apprentice Reg #: 59318 Diameter: 6 30 Bottom Depth: Drill Method: Bored Borehole Completion: Filter Packed

Well Filter 3 10/20

Gravel

30

Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 0.60 Cement Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 3 Not Reported	Top Depth: Annular Seal: Unit:	2 0.30 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-6" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 6"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plastic,	Migrated Sort #: Bottom Depth: @22.5 v.	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported moist	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-25 Brw.sandy clay,mod.plastic	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 25-30 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 New Schedule 40 PVC .010 30 - 5 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material:	Well Casing Not Reported 2 New Schedule 40 PVC 5 - 0 Riser Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type:	2 Not Reported Not Reported Not Reported

Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2 New Top Cap Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2 New Bottom Cap Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	4 Not Reported Not Reported Not Reported
A20 North 1/4 - 1/2 Mile Higher		TX V	VELLS TXMON5000337060
Database:	Submitted Drillers Reports D	atabase (Monitoring)	
Well Rpt #:	341683	Well Type:	New Well
Proposed Use:	Monitor	Borehole Depth (ft):	30
Injurious Water Quality:	Not Reported	Plugging Rpt #:	167932
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2013-09-25 MW-8 Not Reported Not Reported 2013-09-17 Hand Mixed Not Reported Not Re	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Pak Petroleum Marketing Inc. Not Reported New Well Not Reported Not Reported 2013-09-17 Not Reported Not Reported Sy318
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	6 30
Details Reports For:	Well Drilling Method	Drill Method:	Bored
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed

Details Reports For: Top Depth: Size:	Well Filter 3 10/20	Filter Material: Bottom Depth:	Gravel 30
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 0.60 Cement Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 3 Not Reported	Top Depth: Annular Seal: Unit:	2 0.30 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-6" Grass	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 6"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plastic,	Migrated Sort #: Bottom Depth: @22.5 v.	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported moist	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-25 Brw.sandy clay,mod.plastic	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 25-30 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 New Schedule 40 PVC .010 30 - 5 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

A21 North 1/4 - 1/2 Mile Higher Well Casing Not Reported 2 New Schedule 40 PVC 5 - 0 Riser Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Top Cap Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Bottom Cap Not Reported Not Reported Not Reported Migrated Sort #: Bottom Depth: Casing Status: Casing Type:

Gauge:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule: 2 Not Reported

Not Reported Not Reported Not Reported

3 Not Reported Not Reported Not Reported Not Reported

4 Not Reported Not Reported Not Reported Not Reported

TX WELLS TXMON5000337058

Database:	Submitted Drillers Reports Database (Monitoring)			
Well Rpt #:	341681	Well Type:	New Well	
Proposed Use:	Monitor	Borehole Depth (ft):	30	
Injurious Water Quality:	Not Reported	Plugging Rpt #:	167930	
	·			
Submitted Date:	2013-09-25	Owner Name:	Pak Petroleum Marketing Inc.	
Well #:	MW-6	# Wells Drilled:	Not Reported	
Elevation:	Not Reported	Type of Work:	New Well	
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported	
Proposed Use:	Monitor	Proposed Use Desc:	Not Reported	
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported	
Drill Start Date:	2013-09-17	Drill End Date:	2013-09-17	
Seal Method:	Hand Mixed	Seal Method Desc:	Not Reported	
Dist to Septic/Other Contam:	Not Reported	Distance to Septic Tank:	Not Reported	
Dist to Property Line:	Not Reported	Distance Verify Meth:	Not Reported	
Approved by Variance:	Not Reported	Sealed by Driller:	Yes	
Sealed by Name:	Not Reported	Surface Completion:	Alternative Procedure Used	
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported	
Pump Type:	Not Reported	Pump Type Desc:	Not Reported	
Pump Depth:	Not Reported	Chemical Analysis:	Not Reported	
Injurious Water:	Not Reported	Company Name:	Vortex Drilling, Inc.	
Driller Name:	James E Neal	Comments:	Not Reported	
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported	
Driller License #:	4868	Apprentice Reg #:	59318	
Details Reports For:	Well Bore Hole	Diameter:	6	
Top Depth:	0	Bottom Depth:	30	
· ·		•		
Details Reports For:	Well Drilling Method	Drill Method:	Bored	

Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 3 10/20	Filter Material: Bottom Depth:	Gravel 30
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 0.60 Cement Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 3 Not Reported	Top Depth: Annular Seal: Unit:	2 0.30 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-6" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 6"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plastic,	Migrated Sort #: Bottom Depth: @22.5 v.	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported moist	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-25 Brw.sandy clay,mod.plastic	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 25-30 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material:	Well Casing Not Reported 2 New Schedule 40 PVC .010 30 - 5 Not Reported Not Reported	Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type:	1 Not Reported Not Reported Not Reported

Schedule:	Not Reported	Gauge:	Not Reported
Detaile Deports For	Well Cooing	Migrotod Cost #	2
Details Reports For:	Well Casing Not Reported	Migrated Sort #:	
Top Depth:	•	Bottom Depth:	Not Reported
Migrated Casing Info:	2 New Schedule 40 PVC 5 - 0 Riser	Coolog Status	Not Donortod
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material: Schedule:	Not Reported	Casing Type:	Not Reported
Schedule.	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	2 New Top Cap	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type:	Not Reported	Schedule:	Not Reported
Gauge:	Not Reported		
Details Reports For:	Well Casing	Migrated Sort #:	4
Top Depth:	Not Reported	Bottom Depth:	4 Not Reported
Migrated Casing Info:	2 New Bottom Cap	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
0	Not Reported	Schedule:	Not Reported
Casing Type: Gauge:	Not Reported	Schedule.	Not Reported
orth			VELLS TXMON500030811
4 - 1/2 Mile gher			VELLS TXMON500030811
<b>gher</b> Database:	Submitted Drillers Reports Database	(Monitoring)	
<b>gher</b> Database: Well Rpt #:	312375	(Monitoring) Well Type:	New Well
<b>gher</b> Database: Well Rpt #: Proposed Use:	312375 Monitor	(Monitoring) Well Type: Borehole Depth (ft):	New Well 30
<b>gher</b> Database: Well Rpt #:	312375	(Monitoring) Well Type:	New Well
<b>gher</b> Database: Well Rpt #: Proposed Use:	312375 Monitor	(Monitoring) Well Type: Borehole Depth (ft):	New Well 30 Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality:	312375 Monitor Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New Well 30 Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date:	312375 Monitor Not Reported 2013-02-28	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name:	New Well 30 Not Reported Pak Petroleum Marketing I
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc:	312375 Monitor Not Reported 2013-02-28 MW-4	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported New Well Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported New Well Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported New Well Not Reported Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported New Well Not Reported Not Reported Not Reported 2013-02-25
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported New Well Not Reported Not Reported Not Reported 2013-02-25 Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported New Well Not Reported Not Reported Not Reported 2013-02-25 Not Reported Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported Not Reported Not Reported 2013-02-25 Not Reported Not Reported Not Reported Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Reported Not Reported Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported Not Reported Not Reported 2013-02-25 Not Reported Not Reported Not Reported Not Reported Not Reported Yes
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported Not Reported Not Reported 2013-02-25 Not Reported Not Reported Not Reported Not Reported Not Reported Yes Alternative Procedure Used
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported Not Reported Not Reported 2013-02-25 Not Reported Not Reported Not Reported Not Reported Yes Alternative Procedure Used Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported Not Reported Not Reported 2013-02-25 Not Reported Not Reported Not Reported Not Reported Yes Alternative Procedure User Not Reported Not Reported Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Reported	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Re
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Repor	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Repor	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #:	New Well 30 Not Reported Pak Petroleum Marketing I Not Reported Not Reported
gher Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name:	312375 Monitor Not Reported 2013-02-28 MW-4 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported Not Repor	(Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments:	New Well 30 Not Reported Pak Petroleum Marketing In Not Reported Not Reported

Details Reports For: Top Depth: Well Bore Hole 0 Diameter: Bottom Depth:

6

30

Details Reports For:	Well Drilling Method	Drill Method:	Bored
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 3 10/20	Filter Material: Bottom Depth:	Gravel 30
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 0.60 Cement Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 30 Not Reported	Top Depth: Annular Seal: Unit:	2 8 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-4" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 4"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plastic	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-23.5 Brw.clayey sand,v.moist	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 23.5-29 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 29-30 Brw.sandy clay,low plastic,v.m	Migrated Sort #: Bottom Depth: noist	6 Not Reported
Details Reports For: Top Depth:	Well Casing Not Reported	Migrated Sort #: Bottom Depth:	1 Not Reported

Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

A23 North

1/4 - 1/2 Mile Higher

Database:

Well Rpt #:

Proposed Use:

Injurious Water Quality:

Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Schedule 40 PVC 5 - 0 Riser Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Top Cap Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Bottom Cap Not Reported Not Reported Not Reported

2 New Schedule 40 PVC .010 30 - 5 Screen Casing Status: Casing Type: Gauge:

Migrated Sort #:

Bottom Depth: Casing Status: Casing Type: Gauge:

> Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

> Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Not Reported Not Reported Not Reported

Not Reported

Not Reported Not Reported Not Reported

3 Not Reported Not Reported Not Reported Not Reported

Δ Not Reported Not Reported Not Reported Not Reported

**TX WELLS** TXMON5000308116

Submitted Drillers Reports Database (Monitoring) 312376 Well Type: New Well Monitor Borehole Depth (ft): 30 167929 Not Reported Plugging Rpt #:

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:

2013-02-28 MW-5 Not Reported Not Reported Monitor Not Reported 2013-02-25 Hand Mixed Not Reported William A Clayton No 53420

**Owner Name:** # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:

Pak Petroleum Marketing Inc. Not Reported New Well Not Reported Not Reported Not Reported 2013-02-25 Not Reported Not Reported Not Reported Yes Alternative Procedure Used Not Reported Not Reported Not Reported Vortex Drilling, Inc. Not Reported Not Reported 59318

Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	6 30
Details Reports For:	Well Drilling Method	Drill Method:	Bored
Details Reports For:	Well Completion	Borehole Completion:	Filter Packed
Details Reports For: Top Depth: Size:	Well Filter 3 10/20	Filter Material: Bottom Depth:	Gravel 30
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 0.60 Cement Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 30 Not Reported	Top Depth: Annular Seal: Unit:	2 8 Bentonite Not Reported
Details Reports For: Packers:	Well Packers N/A	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported N/A	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-4" Concrete	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 4"-2 Dk.gray clay,low plastic	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 2-22.5 Reddish clay,low/mod.plastic	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 22.5-23.5 Brw.clayey sand,v.moist	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 23.5-29 Brw.clay,mod.plastic	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 29-30 Brw.sandy clay,low plastic,v.m	Migrated Sort #: Bottom Depth: oist	6 Not Reported

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge: Well CasingMigraNot ReportedBotto2 New Schedule 40 PVC .010 30 - 5 ScreenNot ReportedCasirNot ReportedCasirNot ReportedCasirNot ReportedGaug

Well Casing Not Reported 2 New Schedule 40 PVC 5 - 0 Riser Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Top Cap Not Reported Not Reported Not Reported

Well Casing Not Reported 2 New Bottom Cap Not Reported Not Reported Not Reported Migrated Sort #: Bottom Depth: Screen Casing Status: Casing Type: Gauge:

Migrated Sort #: Bottom Depth: Casing Status: Casing Type:

Gauge:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

# Not Reported

Not Reported Not Reported

2 Not Reported

Not Reported Not Reported Not Reported

### 3 Not Reported Not Reported Not Reported Not Reported

4 Not Reported Not Reported Not Reported Not Reported

TX WELLS TXDOL2000163675

163674 79937 LCRA Wharton 66-48-4

Wharton No Data New Well Not Reported 10 in From Surface To 70 ft Not Reported Not Reported

JEDI No Data No Data No Data No Data No Data No Data No Data

### A24 North 1/4 - 1/2 Mile Higher

Database: Rec id: Owner: Address: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Tinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Stratadept:

#### Well Report Database Fid: 163671 Edr site i: Lower Colorado River Authority Ownerwell: P.O. Box 220, Austin, TX 78767 Grid: Colorado St. & Richmond Rd., Wharton, TX 77488 29 18 41 N County: 096 06 09 W Elevation: No Data Typeofwork: Sdate: Monitor Not Reported Diameter: Hollow Stem Auger Bcompletio: Not Reported Packsize: From 2 ft to 24 ft with 5 Bgs Cement (#sacks and material) From 24 ft to 26 ft with 1 Chips (#sacks and material) From 26 ft to 70 ft with 40 Sand (#sacks and material) poured from surface Cementedby: No Data Propertyli: No Data Varriance: Surface Slab Installed Staticleve: No Data Packers: No Data Typepump: Not Reported Welltests: Not Reported Watertype: No Data Chemicalma:

Undesirabl: Companyadd: Licensenum: Dsignature: Comments:

No 1911 N. Lexington Blvd. 4603 Oscar D. Garcia No Data

Companynam: Ccitystate: Wsignature: Regnum: Site id:

JEDI Drilling Contactors, Inc C.C., TX 78409 Jose I Medrano, Jr. No Data TXDOL2000163675

A25 NNW I/4 - 1/2 Mile Higher			FRDS PWS TX2410013
Epa region:	06	State:	ТХ
Pwsid:	TX2410013	Pwsname:	BRIAR GROVE WS
Cityserved:	Not Reported	Stateserved:	ТХ
Zipserved:	Not Reported	Fipscounty:	48481
Status:	Closed	Retpopsrvd:	150
Pwssvcconn:	44	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	BRIAR GROVE WS	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	Not Reported
Contactaddress2:	1210 N RICHMOND RD	Contactcity:	WHARTON
Contactstate:	ТХ	Contactzip:	77488
Pwsactivitycode:	I		
PWS ID:	TX2410013	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	TX2410013
Activity status:	Active	Date system activated:	7706
Date system deactivated:	Not Reported	Retail population:	00000150
System name:	BRIAR GROVE WS	System address:	Not Reported
System address:	1210 N RICHMOND RD	System city:	WHARTON
System state:	ТХ	System zip:	77488
Population served:	101 - 500 Persons	Treatment:	Untreated
Latitude:	291841	Longitude:	0960609

# A26 NNW 1/4 - 1/2 Mile Higher

Database: Well Rpt #: Proposed Use: Injurious Water Quality:

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line:

Submitted Drillers Reports Database (Monitoring) 169550 Well Type: **Environmental Soil Boring** Not Reported

2009-02-27 TMW-1 Not Reported Not Reported **Environmental Soil Boring** Not Reported 2009-02-14 Other - hand mix Not Reported Not Reported

Borehole Depth (ft): Plugging Rpt #:

Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth:

#### **TX WELLS** TXMON5000166931

40 123406 St. Thomas Episcopal Church Not Reported

New Well

New Well Not Reported Not Reported Not Reported 2009-02-14 hand mix Not Reported Not Reported

Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	Not Reported MEDI Not Reported Not Reported Not Reported Not Reported Shannon Mathers Yes 54933	Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	No Alternative Procedure Used Not Reported Not Reported Mathers Environmental Drilling Inc. Not Reported 123406 Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	2 40
Details Reports For:	Well Drilling Method	Drill Method:	Direct Push
Details Reports For:	Well Completion	Borehole Completion:	Open Hole
Details Reports For: Bottom Depth: Amount:	Well Seal Range 2 Not Reported	Top Depth: Annular Seal: Unit:	0 .5, concrete Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 40 Not Reported	Top Depth: Annular Seal: Unit:	2 4,bentonite Not Reported
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported 0 - 0 40 - 2 4 bentonite	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported 2 - 0 .5 concrete	Top Depth: Migrated Sort #:	Not Reported 2
Details Reports For: Top Depth: Lithology:	Well Lithology 0 reddish brown silty clay	Migrated Sort #: Bottom Depth:	0 16
Details Reports For: Top Depth: Lithology:	Well Lithology 16 gray clayey sand	Migrated Sort #: Bottom Depth:	0 23
Details Reports For: Top Depth: Lithology:	Well Lithology 23 fine gray sand	Migrated Sort #: Bottom Depth:	0 40
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 1 new sch. 80 pvc screen 40 - 20 0 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: 0.010 slot Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

#### A27 NNW 1/4 - 1/2 Mile Higher

Database: Plugging Rpt #: Borehole Depth (ft):

Details Reports For: Owner Name: Well #: Elevation: Original Driller: Original Well Use: Plug Method: Variance #: Plugger Name: Apprentice Reg #: Comments:

Details Reports For: Top Depth:

Details Reports For: Bottom Depth: Amount:

Details Reports For: Bottom Depth: Amount:

Well Casing Not Reported 1 new sch. 80 pvc riser 20 - 0 Not Reported Not Reported Not Reported

Migrated Sort #: Bottom Depth: Casing Status:

Casing Type:

Gauge:

### Not Reported

Not Reported Not Reported Not Reported

#### **TX WELLS**

TXPLU5000121443

Submitted Drillers Reports Database (Plugged) 123406 Well Type: **Environmental Soil Boring** 40 Well Report #: 169550 Plug Data Submitted Date: 2009-02-27 St. Thomas Episcopal Church TMW-1 # Wells Plugged: Not Reported Not Reported Original Company Name: Mathers Environmental Drilling Inc. Original License #: Shannon Mathers 54933 Environmental Soil Boring Original Drill Date: 2009-02-14 Unknown Plug Date: 2009-02-14 Not Reported Company Name: Mathers Environmental Drilling Inc. Driller License: Shannon Mathers 54933 Not Reported Comments: Not Reported Not Reported Diameter: 2 Plug Bore Hole Bottom Depth: 40 0 Top Depth: Plug Range Not Reported 0 - 0 40 - 2 4 bentonite Plug Seal: Not Reported Not Reported Unit: Not Reported Plug Range Top Depth: Not Reported Not Reported 2 - 0 .5 concrete Plug Seal: Not Reported Unit: Not Reported

#### A28 NNW 1/4 - 1/2 Mile

Higher

Database: Rec id: Owner: Address: Waddress: County: Elevation: Typeofwork: Sdate: Diameter:

Well Report Database 163298 St. Thomas Episcopal Church 530 Milam, Wharton , TX 530 W. Milam, Wharton , TX Wharton No Data New Well Not Reported 2 in From Surface To 40 ft

Fid: Edr site i: Ownerwell: Grid: Lat: Long: Gpsused: Propuse: Completedd: Dmethod:

**TX WELLS** 

TXDOL2000163305

163304 169550 TMW-1 66-48-4 29 18 42 N 096 06 11 W magellan GPS **Environmental Soil Boring** Not Reported Not Reported

Bcompletio:	Open Hole	Packedfrom:	Not Repor	ted
Packsize:	Not Reported			
Finterval:	From 40 ft to 2 ft with 4,bentonite (#sac			
Sinterval:	From 2 ft to 0 ft with .5, concrete (#sac			
Tinterval:	No Data	Usedmethod:	hand mix	
Cementedby:	MEDI	Contaminat:	No Data	
Propertyli:	No Data	Verrimetho:	No Data	
Varriance:	No Data	Surface:		Procedure Used
Staticleve:	No Data	Flow:	No Data	
Packers:	No Data	Cementinwe:	Not Repor	
Typepump:	No Data	Pumpbowl:	Not Repor	
Welltests:	No Data	Yield:	Not Repor	ted
Watertype:	No Data	Stratadept:	No Data	
Chemicalma:	No Data	Undesirabl:	No Data	
Companynam:	Mathers Environmental Drilling Inc.	Companyadd:	12243 B. F	FM 529
Ccitystate:	Houston, TX 77041	Licensenum:	54933	
Wsignature:	Shannon Mathers	Dsignature:	No Data	
Regnum:	No Data	Comments:	No Data	
Site id:	TXDOL2000163305			
A29 NNW 1/4 - 1/2 Mile Higher			TX WELLS	TXWDB7000112441
Database:	Groundwater Database	Well #:	6648405	
Primary Water Use:	Plugged or Destroyed	Elevation:	100	
Well Depth:	393	Observation Type:	Historical (	Observation Well
Water Quality Review:	Y	Aquifer:	112CHCT	- Chicot Aquifer
Well Type:	Withdrawal of Water			
B30 SSW 1/4 - 1/2 Mile Higher			TX WELLS	TXDOL2000163497
Database:	Wall Bapart Databaga	Fid:	163496	
Rec id:	Well Report Database 163488	Edr site i:	132013	
Owner:	Apache Corporation	Ownerwell:	No Data	
Address:	2000 Post Oak Blvd Ste 100, Houston		NO Dala	
Grid:		,	Diorco Do	nch Rd, Pierce , TX 77467
	66-48-4 20, 18, 00 N	Waddress:		ICH RU, FIEICE, IX 77407
Lat:	29 18 09 N 096 06 11 W	County: Elevation:	Wharton No Data	
Long:				
Gpsused:	No Data Bia Supply	Typeofwork: Sdate:	New Well	tod
Propuse:	Rig Supply		Not Repor	
Completedd:	Not Reported	Diameter:		om Surface To 160 ft
Dmethod:	Mud Rotary	Bcompletio:	Straight W	
Packedfrom:	Not Reported	Packsize:	Not Repor	lea
Finterval:	From 0 ft to 15 ft with 16 3500 (#sacks	,	No Detr	
Sinterval:	No Data	Tinterval:	No Data	
Usedmethod:	slurry	Cementedby:	n/a	
Contaminat:	n/a ft	Propertyli:	n/a ft	
Verrimetho:	n/a	Varriance:	No Data	
Surface:	Surface Sleeve Installed	Staticleve:		w land surface on 12/12/200
Flow:	No Data	Packers:	1 shale 15	
Cementinwe:	No Data	Typepump:	No Data	
Pumphowl <sup>.</sup>	Not Reported	Welltests	letted	

Welltests:

Pumpbowl:

Yield:

Not Reported

80 GPM with 20 ft drawdown after 2 hours

Jetted

Watertype: Chemicalma: Companynam: Ccitystate: Wsignature: Regnum: Site id:

B31 SSW

1/4 - 1/2 Mile

Measurement Method:

Unknown

No Data No Burleson Services Inc. Sealy , TX 77474 David Burleson No Data TXDOL2000163497 Stratadept: Undesirabl: Companyadd: Licensenum: Dsignature: Comments: No Data No P.O.Box 1091 3039 No Data \$mb

#### TX WELLS TXMON5000129904

Higher Database: Submitted Drillers Reports Database (Monitoring) Well Rpt #: 132013 Well Type: New Well Proposed Use: Borehole Depth (ft): **Rig Supply** 160 Injurious Water Quality: Plugging Rpt #: Not Reported no Submitted Date: 2008-01-18 Owner Name: Apache Corporation Well #: Not Reported # Wells Drilled: Not Reported Not Reported New Well Elevation: Type of Work: Work Type Desc: Not Reported Original Well Rpt Track #: Not Reported Proposed Use: **Rig Supply** Proposed Use Desc: Not Reported PWS #: TCEQ Approved Plans: Not Reported Not Reported Drill Start Date: 2005-12-12 Drill End Date: 2005-12-12 Seal Method: Slurry Seal Method Desc: Not Reported Dist to Septic/Other Contam: Not Reported n/a Distance to Septic Tank: Dist to Property Line: Distance Verify Meth: n/a n/a Approved by Variance: Not Reported Sealed by Driller: No Surface Completion: Surface Sleeve Installed Sealed by Name: n/a Surf Complete Desc: Completed by Driller: Not Reported Not Reported Pump Type: Not Reported Pump Type Desc: Not Reported Pump Depth: Not Reported Chemical Analysis: No Injurious Water: Company Name: Burleson Services Inc. No Driller Name: David R Burleson Comments: \$mb Plugged within 48 hrs: Plugging Rpt Tracking #: Not Reported No Driller License #: 3039 Apprentice Reg #: Not Reported Details Reports For: Well Bore Hole 7.875 Diameter: Top Depth: 0 Bottom Depth: 160 Details Reports For: Well Drilling Method Drill Method: Mud (Hydraulic) Rotary Details Reports For: Well Completion Borehole Completion: Straight Wall Details Reports For: Well Seal Range Top Depth: 0 Bottom Depth: Annular Seal: 3500 15 16 Amount: Not Reported Unit: Not Reported Details Reports For: Well Levels Measurement: 35 Measurement Date: 2005-12-12 Artesian Flow: Not Reported

Details Reports For: Packers:	Well Packers 1 shale 15'	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Yield: Hours:	Well Test 80 2	Test Type: Drawdown:	Jetted 20
Details Reports For: Top Depth: Lithology:	Well Lithology 0 red clay	Migrated Sort #: Bottom Depth:	0 35
Details Reports For: Top Depth: Lithology:	Well Lithology 35 gravel	Migrated Sort #: Bottom Depth:	0 80
Details Reports For: Top Depth: Lithology:	Well Lithology 80 red clay	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 sand	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 blue clay	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4 n pvc 0 120 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4 n pvc screen 120 140 20 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	2 Not Reported Not Reported Not Reported Not Reported

B32 SSW 1/4 - 1/2 Mile Higher

Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Drillers Reports Database (Monitoring) 355405 Well Type: Borehole Depth (ft): Closed-Loop Geothermal Plugging Rpt #: no

New Well 105 Not Reported

TXMON5000350598

**TX WELLS** 

Submitted Date:	2014-02-28	Owner Name:	Pierce Ranch
Well #:	Not Reported	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Closed-Loop Geothermal	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2014-01-02	Drill End Date:	2014-01-03
Seal Method:	Poured	Seal Method Desc:	Not Reported
	NONE		Not Reported
Dist to Septic/Other Contam: Dist to Property Line:		Distance to Septic Tank: Distance Verify Meth:	•
	100+ Not Departed	<b>,</b>	ESTIMATED Yes
Approved by Variance:	Not Reported	Sealed by Driller:	
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Submersible	Pump Type Desc:	Not Reported
Pump Depth:	80.00	Chemical Analysis:	No
Injurious Water:	No	Company Name:	RONNIE GOOLSBY WATER WELL
Driller Name:	George R Goolsby	Comments:	Registered 11-21-13 CBGCD
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	1765	Apprentice Reg #:	Not Reported
		-	
Details Reports For:	Well Bore Hole	Diameter:	7
Top Depth:	0	Bottom Depth:	110
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
·	0		
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
		<b>T D</b> 4	<u>^</u>
Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	70	Annular Seal:	6 PRT 2 RM
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Well Levels	Measurement:	40
Measurement Date:	2014-01-03	Artesian Flow:	Not Reported
	Unknown	Allesian Flow.	Not Reported
Measurement Method:	UTIKITOWIT		
Details Reports For:	Well Packers	Migrated Sort #:	1
Packers:	Rubber Shale 70	Depth:	Not Reported
Details Reports For:	Well Packers	Migrated Sort #:	2
Packers:	Wash Valve 105	Depth:	Not Reported
Details Reports For:	Well Test	Test Type:	Jetted
Yield:	70	Drawdown:	Not Reported
Hours:	Not Reported		
Dataila Baparta Carr	Wall Strata	Migrotod Strate Depth.	25 80
Details Reports For:	Well Strata	Migrated Strata Depth:	25 - 80
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Water Type:	FRESH		
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	0	Bottom Depth:	25
Lithology:	Clay	Bottom Deptil.	20
Littloogy.	Jidy		

Details Reports For:	Well Lithology	Migrated Sort #:	0	
Top Depth:	25	Bottom Depth:	80	
Lithology:	Sand			
Details Reports For:	Well Lithology	Migrated Sort #:	0	
Top Depth:	80	Bottom Depth:	110	
Lithology:	Clay TD	Dottom Deptil.	110	
Details Reports For:	Well Casing	Migrated Sort #:	1	
Top Depth:	Not Reported	Bottom Depth:	Not Reported	
Migrated Casing Info:	4 N PVC Casing +2 - 70	Diameter:	Not Reported	
Casing Status:	Not Reported	Casing Material:	Not Reported	
Casing Type:	Not Reported	Schedule:	Not Reported	
Gauge:	Not Reported			
Details Reports For:	Well Casing	Migrated Sort #:	2	
Top Depth:	Not Reported	Bottom Depth:	– Not Reported	
Migrated Casing Info:	4 N PVC Screen 70 - 80 Screen .008			
Diameter:	Not Reported	Casing Status:	Not Reported	
Casing Material:	Not Reported	Casing Type:	Not Reported	
Schedule:	Not Reported	Gauge:	Not Reported	
Details Reports For:	Well Casing	Migrated Sort #:	3	
Top Depth:	Not Reported	Bottom Depth:	Not Reported	
Migrated Casing Info:	4 N PVC Tail 80 -105	Diameter:	Not Reported	
Casing Status:	Not Reported	Casing Material:	Not Reported	
Casing Type:	Not Reported	Schedule:	Not Reported	
Gauge:	Not Reported			
B33 SSW 1/4 - 1/2 Mile Higher		TX V	VELLS TXMON5000350601	
Database:	Submitted Drillers Reports Database	(Monitoring)		
Well Rpt #:	355408	Well Type:	New Well	
Proposed Use:	Domestic	Borehole Depth (ft):	335	
Injurious Water Quality:	no	Plugging Rpt #:	Not Reported	
Submitted Date:	2014-02-28	Owner Name:	Pierce Ranch	
Well #:	Not Reported	# Wells Drilled:	Not Reported	
Elevation:	Not Reported	Type of Work:	New Well	
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported	
Proposed Use:	Domestic	Proposed Use Desc:	Not Reported	
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported	
Drill Start Date:	2014-01-02	Drill End Date:	2014-01-03	
Seal Method:	Other - TRIMMIE	Seal Method Desc:	TRIMMIE	
Dist to Septic/Other Contam:	NONE	Distance to Septic Tank:		
Dist to Property Line:	100+	Distance Verify Meth:	ESTIMATED	
Approved by Variance:	Not Reported	Sealed by Driller:	Yes	
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed	
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported	
Pump Type: Pump Depth:	Submersible	Pump Type Desc: Chemical Analysis:	Not Reported	
Injurious Water:	Not Reported No	Company Name:	No RONNIE GOOLSBY WATER	
		Company Marile.	INCIVINE GOULDET WATER	

Injurious Water:

No

Company Name:

Driller Name: Plugged within 48 hrs: Driller License #:	George R Goolsby No 1765	Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Registered 11-21-13 CBGCD Not Reported Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7 340
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 340 Not Reported	Top Depth: Annular Seal: Unit:	0 8 PRT 2 RDY Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2014-01-03 Unknown	Measurement: Artesian Flow:	72 Not Reported
Details Reports For: Packers:	Well Packers Rubber Shale 315 295 100	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers Wash Valve 335	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 60 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported FRESH	Migrated Strata Depth: Bottom Depth:	300 - 325 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Clay	Migrated Sort #: Bottom Depth:	0 20
Details Reports For: Top Depth: Lithology:	Well Lithology 20 Sand	Migrated Sort #: Bottom Depth:	0 80
Details Reports For: Top Depth: Lithology:	Well Lithology 80 Clay	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Lithology:	Well Lithology 200 Sand	Migrated Sort #: Bottom Depth:	0 210

Details Reports For: Top Depth: Lithology:	Well Lithology 210 Clay	Migrated Sort #: Bottom Depth:	0 230
Details Reports For: Top Depth: Lithology:	Well Lithology 230 Sand	Migrated Sort #: Bottom Depth:	0 240
Details Reports For: Top Depth: Lithology:	Well Lithology 240 Clay	Migrated Sort #: Bottom Depth:	0 300
Details Reports For: Top Depth: Lithology:	Well Lithology 300 Sand	Migrated Sort #: Bottom Depth:	0 330
Details Reports For: Top Depth: Lithology:	Well Lithology 330 Clay TD	Migrated Sort #: Bottom Depth:	0 340
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4 N PVC Casing +2 - 315 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 N PVC Screen 315 - 325 Slot .008 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4 N PVC Tail 325 - 335 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported

C34 NNW 1/4 - 1/2 Mile Higher

Database:

Locating Agency:

PWS ID:

#### Public Water Supply Sources Databases 2410005 UTEP

Water Source: Elevation: G2410005B 0 TXEQ60000023294

TX WELLS

C35 NNW I/4 - 1/2 Mile Higher Database: Primary Water Use: Well Depth: Water Quality Review:	Groundwater Database		TX WELLS	TXWDB7000112440
Primary Water Use: Well Depth: Water Quality Review:				
Well Type:	Public Supply 760 Y Withdrawal of Water	Well #: Elevation: Observation Type: Aquifer:		bservation Well Chicot Aquifer
D36 South I/4 - 1/2 Mile Lower			TX WELLS	TXDOL2000163642
Database:	Well Report Database	Fid:	163641	
Rec id:	163640	Edr site i:	88711	
Owner:	A Bar F Polo Farm	Ownerwell:	I-1	
Address:	P.O. Box 600, Pierce , TX 77467	Grid:	66-48-4	
Waddress:	977 W Bus. Hwy 59 R, Wharton , TX 77488			
Lat:	29 18 03 N	County:	Wharton	
Long:	096 06 06 W	Elevation:	57 ft.	
Gpsused:	No Data	Typeofwork:	New Well	
Propuse:	Irrigation	Sdate:	Not Reporte	≱d
Completedd:	Not Reported	Diameter:	121/2 in Fro	om Surface To 350 ft
Dmethod:	Mud Rotary	Bcompletio:	Straight Wa	.11
Packedfrom:	Not Reported	Packsize:	Not Reporte	ed and a set of the se
Finterval:	From 0 ft to 10 ft with 14 cement (#sacks and			
Sinterval:	No Data	Tinterval:	No Data	
Usedmethod:	handmix	Cementedby:	LDI	
Contaminat:	none ft	Propertyli:	50+++ ft	
Verrimetho:	Pierce Ranch	Varriance:	No Data	
Surface:	Surface Sleeve Installed	Staticleve:		land surface on 6/12/2006
Flow:	No Data	Packers:		e traps 10,215,220,245.275,280,28
Cementinwe:	No Data 210 ft	Typepump: Welltests:	Submersible	3
Pumpbowl: Yield:	400 GPM with 112 ft drawdown after 6 hours		Pump	
	fresh	Stratadept:	225-245.28	5 245 ft
Watertype: Chemicalma:	No	Undesirabl:	No	5-545 H.
Companynam:	Lynch Water Well Drilling Inc	Companyadd:		Nalley Acres Rd.
Ccitystate:	Victoria , TX 77905	Licensenum:	1715	Valley Acres Ra.
Wsignature:	Kenneth W Lynch	Dsignature:	Sterling C L	vnch
Regnum:	1467		g o L	<b>,</b> -
Comments: Site id:	Original lat/long out of range. Updated by TV TXDOL2000163642	WDB on 8/3/06 by And	erson.	

South 1/4 - 1/2 Mile Lower

> Database: Well Rpt #: Proposed Use: Injurious Water Quality:

Submitted Drillers Reports Database (Monitoring)88711Well Type:IrrigationBorehole Depth (ft):noPlugging Rpt #:

New Well 350 Not Reported

Submitted Date:	2006-07-27	Owner Name:	A Bar F Polo Farm
Well #:	I-1	# Wells Drilled:	Not Reported
Elevation:	57	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Irrigation	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2006-05-24	Drill End Date:	2006-06-12
Seal Method:	Other - handmix	Seal Method Desc:	handmix
Dist to Septic/Other Contam:	none	Distance to Septic Tank:	Not Reported
Dist to Property Line:	50+++	Distance Verify Meth:	Pierce Ranch
Approved by Variance:	Not Reported	Sealed by Driller:	No
Sealed by Name:	LDI	Surface Completion:	Surface Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Submersible	Pump Type Desc:	Not Reported
Pump Depth:	210.00	Chemical Analysis:	No
Injurious Water:	No	Company Name:	Lynch Water Well Drilling Inc
Driller Name:	Kenneth W Lynch		,
Comments:	Original lat/long out of range. Update	ed by TWDB on 8/3/06 by Anderso	n.
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	1715	Apprentice Reg #:	1467
		, approntion rog ".	
Details Reports For:	Well Bore Hole	Diameter:	12.5
Top Depth:	0	Bottom Depth:	350
	0	Bottom Depth.	550
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For.		Dim Method.	
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For.	Weil Completion	Dorenole Completion.	Straight Wall
Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	10	Annular Seal:	14 cement
Amount:	-	Unit:	
Amount.	Not Reported	Unit.	Not Reported
Dataila Danarta Fari		Magguramont	64
Details Reports For:	Well Levels	Measurement: Artesian Flow:	64 Not Departed
Measurement Date:	2006-06-12	Artesian Flow.	Not Reported
Measurement Method:	Unknown		
Data'la Danasta Fan		Mississian de Carata //	
Details Reports For:	Well Packers	Migrated Sort #:	1
Packers:	rubber shale traps 10,215,220,245.27	75,280,285	
Depth:	Not Reported		
Datalla Davisata Es		Toot Turney	Duran
Details Reports For:	Well Test	Test Type:	Pump
Yield:	400	Drawdown:	112
Hours:	6		
			005 0 45 005 0 15
Details Reports For:	Well Strata	Migrated Strata Depth:	225-245,285-345
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Water Type:	fresh		
			•
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	0	Bottom Depth:	3
Lithology:	surface		

Details Reports For: Top Depth: Lithology:	Well Lithology 3 clay	Migrated Sort #: Bottom Depth:	0 11
Details Reports For: Top Depth: Lithology:	Well Lithology 11 sandy red clay	Migrated Sort #: Bottom Depth:	0 68
Details Reports For: Top Depth: Lithology:	Well Lithology 68 sand/gravel strks.	Migrated Sort #: Bottom Depth:	0 79
Details Reports For: Top Depth: Lithology:	Well Lithology 79 sticky clay	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 sand strks.	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 clay	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 med. grey sand	Migrated Sort #: Bottom Depth:	0 210
Details Reports For: Top Depth: Lithology:	Well Lithology 210 sandstone	Migrated Sort #: Bottom Depth:	0 210
Details Reports For: Top Depth: Lithology:	Well Lithology 210 fine grey sand	Migrated Sort #: Bottom Depth:	0 220
Details Reports For: Top Depth: Lithology:	Well Lithology 220 med white sand	Migrated Sort #: Bottom Depth:	0 250
Details Reports For: Top Depth: Lithology:	Well Lithology 250 clay	Migrated Sort #: Bottom Depth:	0 290
Details Reports For: Top Depth: Lithology:	Well Lithology 290 sand strks.	Migrated Sort #: Bottom Depth:	0 340
Details Reports For: Top Depth:	Well Lithology 340	Migrated Sort #: Bottom Depth:	0 360

#### Lithology:

clay

Well Casing

Details Reports For:
Top Depth:
Migrated Casing Info:
Diameter:
Casing Material:
Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Not Reported 8 new pvc casing +2-225 SDR-17 Not Reported Not Reported Not Reported Well Casing Not Reported

8 new pvc screen 225-245 .014 slot Not Reported Not Reported Not Reported

Well Casing Not Reported 8 new pvc casing 245-285 SDR-17 Not Reported Not Reported Not Reported

Well Casing Migrated Sort #: Not Reported Bottom Depth: 8 new pvc screen 285-345 .014 slot/bha/wv Casing Status: Not Reported Not Reported Casing Type: Not Reported Gauge:

Submitted Drillers Reports Database (Plugged)

Bottom Depth: Casing Status: Casing Type: Gauge:

Migrated Sort #:

Migrated Sort #: Bottom Depth:

Casing Status: Casing Type: Gauge:

Migrated Sort #: Bottom Depth: Casing Status:

Casing Type:

Gauge:

Not Reported

1

2

3

Not Reported

Not Reported Not Reported Not Reported

TXPLU5000069765

**TX WELLS** 

#### D38 South 1/4 - 1/2 Mile Lower

#### Database: Plugging Rpt #: Borehole Depth (ft):

Details Reports For: **Owner Name:** # Wells Plugged: **Original Company Name:** Original License #: Original Drill Date: Plug Date: Company Name: Plugger Name: Apprentice Reg #: Comments:

Comments:

Details Reports For:

Plug Bore Hole

Not Reported

32727

Plug Data

Not Reported

Not Reported

2006-05-13

2006-05-22

A Bar F Polo Farm

Kenneth W Lynch

Lynch Water Well Drilling Inc.

360

1715

1467

Diameter:

Well Type:

Well #:

Elevation:

Well Report #:

Submitted Date:

Original Driller:

Plug Method:

Driller License:

Hole filled with high visc. mud with 10ft. cement cap. Abandond hole because of surface slump caused by heavy rains and old bricks buired at location that fell into drilled hole .... not a good day Upd

Variance #:

Original Well Use:

7.875

1715

#### Withdrawal of Water

Other - See Comments

Lynch Water Well Drilling Inc

Withdrawal of Water

Not Reported

2006-07-27

Not Reported

Not Reported

Not Reported

TC5631236.11s Page A-53

Top Depth:	Not Reported	Bottom Depth:	360	
Details Reports For: Bottom Depth: Amount:	Plug Range 13 Not Reported	Top Depth: Plug Seal: Unit:	3 6 cement Not Reported	
C39 NNW 1/4 - 1/2 Mile Higher		хт	WELLS	 TXWDB7000112439
Database: Primary Water Use: Well Depth: Water Quality Review: Well Type:	Groundwater Database Plugged or Destroyed 940 Y Withdrawal of Water			Dbservation Well - Chicot Aquifer
40 SSW 1/4 - 1/2 Mile Higher		тх	WELLS	 TXMON5000200132
Database:	Submitted Drillers Reports	Database (Monitoring)		
Well Rpt #:	203096	Well Type:	New	Well
Proposed Use:	Stock	Borehole Depth (ft):	105	
Injurious Water Quality:	no	Plugging Rpt #:	Not	Reported
Submitted Date:	2009-12-29	Owner Name:		beth Brown
Well #:	1	# Wells Drilled:		Reported
Elevation:	Not Reported	Type of Work:		Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:		Reported
Proposed Use:	Stock	Proposed Use Desc:		Reported
TCEQ Approved Plans:	Not Reported	PWS #:		Reported
Drill Start Date: Seal Method:	2007-08-23 Other - hand mix	Drill End Date: Seal Method Desc:	2007 hand	7-08-23
Dist to Septic/Other Contam		Distance to Septic Tank:		Reported
Dist to Property Line:	60	Distance Verify Meth:		sured
Approved by Variance:	Not Reported	Sealed by Driller:	No	
Sealed by Name:	Jimmy Davis	Surface Completion:		ace Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:		Reported
Pump Type:	Jet	Pump Type Desc:	Not	Reported
Pump Depth:	40.00	Chemical Analysis:	No	
Injurious Water:	No	Company Name:	JRI	Davis Water Well Co.
Driller Name:	Jimmy Ray Davis Jr			
Comments: Plugged within 48 hrs:	\$mb Coordinates corrected No		Not	Reported
Driller License #:	3251	Plugging Rpt Tracking #: Apprentice Reg #:		Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	5.5 110	
Details Reports For:	Well Drilling Method	Drill Method:	Mud	(Hydraulic) Rotary

Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 10 Not Reported	Top Depth: Annular Seal: Unit:	0 2 cement Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2007-08-23 Unknown	Measurement: Artesian Flow:	18 Not Reported
Details Reports For: Yield: Hours:	Well Test Not Reported Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 surface gumbo	Migrated Sort #: Bottom Depth:	0 5
Details Reports For: Top Depth: Lithology:	Well Lithology 5 red clay	Migrated Sort #: Bottom Depth:	0 35
Details Reports For: Top Depth: Lithology:	Well Lithology 35 sand	Migrated Sort #: Bottom Depth:	0 47
Details Reports For: Top Depth: Lithology:	Well Lithology 47 brown clay	Migrated Sort #: Bottom Depth:	0 58
Details Reports For: Top Depth: Lithology:	Well Lithology 58 med coarse sand	Migrated Sort #: Bottom Depth:	0 72
Details Reports For: Top Depth: Lithology:	Well Lithology 72 shale	Migrated Sort #: Bottom Depth:	0 90
Details Reports For: Top Depth: Lithology:	Well Lithology 90 coarse water sand	Migrated Sort #: Bottom Depth:	0 110
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 n pvc certainteed 0 95 40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2

Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule: Not Reported 2 n pvc slotted 95 105 .010 Not Reported Not Reported Not Reported Bottom Depth:

Casing Status: Casing Type: Gauge:

#### Not Reported

Not Reported Not Reported Not Reported

#### 41 SSW 1/2 - 1 Mile Higher

#### TX WELLS TXPLU5000001940

Database:	Submitted Drillers Reports Database	(Plugged)	
Plugging Rpt #:	9584	Well Type:	Monitor
Borehole Depth (ft):	0	Well Report #:	Not Reported
Details Reports For:	Plug Data	Submitted Date:	2003-01-30
Owner Name:	Eastern Pipeline	Well #:	Mw 1-4
# Wells Plugged:	Not Reported	Elevation:	Not Reported
Original Company Name:	Not Reported	Original Driller:	Not Reported
Original License #:	Not Reported	Original Well Use:	Monitor
Original Drill Date:	Not Reported	-	
Plug Method:	Tremmie pipe cement from bottom to	top	
Plug Date:	2002-10-03	Variance #:	Not Reported
Company Name:	Best Drilling	Plugger Name:	Alfredo
Driller License:	5036	Apprentice Reg #:	Not Reported
Comments:	Entered by DG	Comments:	Not Reported
Details Reports For:	Plug Casing	Top Depth:	0
Bottom Depth:	0	Diameter:	0.75
Details Reports For:	Plug Range	Top Depth:	0
Bottom Depth:	10	Plug Seal:	1
Amount:	Not Reported	Unit:	Not Reported

#### E42 NNW 1/2 - 1 Mile Higher

Dist to Property Line:

N/A

Submitted Drillers Reports Database (Monitoring) Database: Well Rpt #: 73990 Well Type: New Well Borehole Depth (ft): Proposed Use: **Rig Supply** 180 Injurious Water Quality: Not Reported Plugging Rpt #: Not Reported Submitted Date: BALLARD EXPLORATION INC 2006-01-12 Owner Name: Well #: Not Reported # Wells Drilled: Not Reported Elevation: Not Reported Type of Work: New Well Original Well Rpt Track #: Work Type Desc: Not Reported Not Reported Proposed Use: **Rig Supply** Proposed Use Desc: Not Reported Not Reported PWS #: Not Reported TCEQ Approved Plans: Drill Start Date: 2004-08-04 Drill End Date: 2004-08-05 Seal Method: Unknown Seal Method Desc: Not Reported Dist to Septic/Other Contam: Distance to Septic Tank: Not Reported N/A

Distance Verify Meth:

Not Reported

**TX WELLS** 

TXMON5000072672

Approved by Variance:	Not Reported	Sealed by Driller:	Yes
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Submersible	Pump Type Desc:	Not Reported
Pump Depth:	147.00	Chemical Analysis:	No
Injurious Water:	Not Reported	Company Name:	<b>B &amp; L WATER WELL SERVICE INC</b>
Driller Name:	John Bryson	Comments:	LCS\$
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	1315	Apprentice Reg #:	Not Reported
Details Reports For:	Well Bore Hole	Diameter:	7.25
Top Depth:	0	Bottom Depth:	180
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	10	Annular Seal:	10
Amount:	Not Reported	Unit:	Not Reported
Anount.	Not Reported	onit.	NorNeponed
Details Reports For:	Well Levels	Measurement:	50
Measurement Date:	2004-08-05	Artesian Flow:	Not Reported
Measurement Method:	Unknown		
Details Reports For:	Well Strata	Migrated Strata Depth:	Not Reported
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Water Type:	Fresh		
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	0	Bottom Depth:	31
Lithology:	Clay		
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	31	Bottom Depth:	42
Lithology:	Sand & Mix Gravel		
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	42	Bottom Depth:	160
Lithology:	Clay	Bottom Depth.	100
Lithology.	Clay		
Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	160	Bottom Depth:	180
Lithology:	Sand		
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4 New Plastic 0 160 Sch 40		
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule: Well Casing Not Reported 4 New Plastic Slotted 160 180 016 Not Reported Not Reported Not Reported Migrated Sort #: Bottom Depth: Casing Status: Casing Type:

Gauge:

#### 2 Not Reported

Not Reported Not Reported Not Reported

#### E43 NNW 1/2 - 1 Mile Higher

Database: Rec id: Owner: Address: Grid: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Stratadept: Undesirabl: Companyadd: Licensenum: Dsignature: Comments:

Fid: 163708 Well Report Database 163703 Edr site i: 73990 BALLARD EXPLORATION INC Ownerwell: No Data 1021 Main St Ste 2310, Houston , TX 77002 66-48-4 1 Mi N Intersect FM 102 & CR 231 Just SW from US 59, Wharton , TX 29 18 59 N County: Wharton 096 06 30 W Elevation: No Data No Data Typeofwork: New Well **Rig Supply** Sdate: Not Reported Not Reported Diameter: 7 1/4 in From Surface To 180 ft Mud Rotary Bcompletio: Straight Wall Not Reported Packsize: Not Reported From 0 ft to 10 ft with 10 (#sacks and material) No Data Tinterval: No Data No Data Cementedby: John E Bryson N/A ft Propertyli: N/A ft No Data Varriance: No Data Surface Sleeve Installed 50 ft. below land surface on 8/5/2004 Staticleve: No Data Packers: No Data No Data Typepump: Submersible 147 ft Welltests: No Data Not Reported Watertype: Fresh No Data Chemicalma: No **B & L WATER WELL SERVICE INC** No Data Companynam: P O Box 213 Ccitystate: Winnie, TX 77665 1315 Wsignature: John E Bryson No Data Regnum: No Data TXDOL2000163709 Site id: LCS\$

#### 44 WSW 1/2 - 1 Mile Higher

Database: Plugging Rpt #: Borehole Depth (ft):

Details Reports For: Owner Name: Well #: Elevation: Original Driller: Original Well Use: Plug Data Ernest H Wittig & Linda Hunter 1 Not Reported NA Withdrawal of Water

79454

75

Submitted Drillers Reports Database (Plugged)

#### Submitted Date:

Well Report #:

Well Type:

# Wells Plugged: Original Company Name: Original License #: Original Drill Date: Withdrawal of Water Not Reported

TXPLU5000079216

2012-01-13

Not Reported Not Reported Not Reported Not Reported

**TX WELLS** 

#### TX WELLS TXDOL2000163709

= - 1 Mile			TX WELLS TXDOL200016
Amount:	Not Reported	Unit:	Not Reported
Details Reports For: 3ottom Depth:	Plug Range 75	Top Depth: Plug Seal:	2 2
Amount:	Not Reported	Unit:	Not Reported
Details Reports For: Bottom Depth:	Plug Range 2	Top Depth: Plug Seal:	0 1
		<b>T D</b> 4	
Bottom Depth:	75	Diameter:	2
Details Reports For:	Plug Casing	Top Depth:	0
Top Depth:	Not Reported	Bottom Depth:	75
Details Reports For:	Plug Bore Hole	Diameter:	2
Comments:	No Data	Comments:	Not Reported
Driller License:	4729	Apprentice Reg #:	Not Reported
Company Name:	G W Davis Waterwell Co	Plugger Name:	Gary Davis
Plug Date:	feet 2012-01-09	Variance #:	an 100 feet depth, cement top 2 Not Reported

F4 S3 1/ Hi

ligner			
Database:	Well Report Database	Fid:	163471
Rec id:	163463	Edr site i:	137213
Owner:	Natividad L. Garcia	Ownerwell:	No Data
Address:	1264 CR 188, Wharton , TX 77488	Grid:	66-48-4
Waddress:	1264 CR 188, Wharton , TX 77488	Lat:	29 17 46 N
County:	Wharton	Long:	096 05 38 W
Elevation:	No Data	Gpsused:	No Data
Typeofwork:	New Well	Propuse:	Domestic
Sdate:	Not Reported	Completedd:	Not Reported
Diameter:	5 in From Surface To 100 ft	Dmethod:	Mud Rotary
Bcompletio:	Straight Wall	Packedfrom:	Not Reported
Packsize:	Not Reported		
Finterval:	From 0 ft to 80 ft with 40 (#sacks and m	aterial)	
Sinterval:	No Data	Tinterval:	No Data
Usedmethod:	Pressure Cement	Cementedby:	Spradley
Contaminat:	70 ft	Propertyli:	40 ft
Verrimetho:	Measured	Varriance:	No Data
Surface:	Surface Slab Installed	Staticleve:	40 ft. below land surface on 3/25/2005
Flow:	No Data	Packers:	Formation Packer 80
Cementinwe:	No Data	Typepump:	Jet
Pumpbowl:	60 ft	Welltests:	Jetted
Yield:	(No Data) GPM with (No Data) ft drawdd	own after (No Data) hours	
Watertype:	No Data	Stratadept:	No Data
Chemicalma:	No	Undesirabl:	No
Companynam:	Spradley Water Wells	Companyadd:	P. O. Box 683
Ccitystate:	Boling, TX 77420	Licensenum:	54747
Wsignature:	Raymond Spradley	Dsignature:	No Data
Regnum:	No Data	Comments:	\$dfs
Site id:	TXDOL2000163472		

Map ID Direction Distance				
Elevation			Database	EDR ID Number
F46 SSE 1/2 - 1 Mile Higher			TX WELLS	TXMON5000135011
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Datal 137213 Domestic no	base (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 100 Not F	Well Reported
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs:	2008-03-19 Not Reported Not Reported Domestic Not Reported 2005-02-28 Other - Pressure Cement 70 40 Not Reported Spradley Not Reported Jet 60.00 No Raymond Spradley No	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #:	Not F New Not F Not F 2005 Pres Not F Meas No Surfa Not F Not F No Spra \$dfs Not F	Reported Reported Reported -03-25 sure Cement Reported sured Reported Reported dley Water Wells Reported
Driller License #: Details Reports For: Top Depth:	54747 Well Bore Hole 0	Apprentice Reg #: Diameter: Bottom Depth:	Not F 5 100	Reported
Details Reports For:	Well Drilling Method	Drill Method:	Mud	(Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Strai	ght Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 80 Not Reported	Top Depth: Annular Seal: Unit:	0 40 Not F	Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2005-03-25 Unknown	Measurement: Artesian Flow:	40 Not F	Reported
Details Reports For: Packers:	Well Packers Formation Packer 80'	Migrated Sort #: Depth:	1 Not F	Reported
Details Reports For: Yield: Hours:	Well Test Not Reported Not Reported	Test Type: Drawdown:	Jette Not F	d Reported

Details Reports For: Top Depth: Lithology:	Well Lithology 0 Top Soil	Migrated Sort #: Bottom Depth:	0 4
Details Reports For: Top Depth: Lithology:	Well Lithology 4 Brown Clay	Migrated Sort #: Bottom Depth:	0 20
Details Reports For: Top Depth: Lithology:	Well Lithology 20 Brown Clay	Migrated Sort #: Bottom Depth:	0 40
Details Reports For: Top Depth: Lithology:	Well Lithology 40 Brown Clay	Migrated Sort #: Bottom Depth:	0 100
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2 New PVC Casing 0 Sch40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2 New Slotted Sch40 .06 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	2 Not Reported Not Reported Not Reported
G47 NE 1/2 - 1 Mile Higher			TX WELLS TXEQ60000023295
Database: PWS ID: Locating Agency:	Public Water Supply Sources Databases 2410005 UTEP	Water Source: Elevation:	G2410005C 0
G48 NE 1/2 - 1 Mile Higher			TX WELLS TXEQ60000023293
Database: PWS ID: Locating Agency:	Public Water Supply Sources Databases 2410005 TCEQ	Water Source: Elevation:	G2410005A 100

		Database	EDR ID Number
		OIL_GAS	TXOG70000221054
192196 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:		
		OIL_GAS	TXOG70000221045
192193 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:		
		OIL_GAS	TXOG70000221034
192195 1 Not Reported Dry Hole	Well ID: API #: Side Track:	42481	
		OIL_GAS	TXOG70000221060
192296 1 Not Reported Dry Hole	Well ID: API #: Side Track:	42481	
	1 Not Reported Plugged Gas Well 192193 1 Not Reported Plugged Gas Well 192195 1 Not Reported Dry Hole	1       API #: Side Track:         192193       Well ID: 1         1       API #: Not Reported         Not Reported       Side Track:         Plugged Gas Well       Well ID: API #: Side Track:         192195       Well ID: API #: Not Reported         192195       Well ID: API #: Not Reported         192195       Well ID: API #: Not Reported         192296       Well ID: API #: Not Reported         192296       Well ID: API #: Not Reported	192196       Well ID:       32347         1       API #:       424813234         Not Reported       Side Track:       Not Report         Plugged Gas Well       OIL_GAS         192193       Well ID:       31849         1       API #:       424813184         Not Reported       Side Track:       Not Report         Plugged Gas Well       OIL_GAS       Side Track:         192195       Well ID:       API #:         192195       Well ID:       Not Report         192195       Mot Reported       Side Track:       Not Report         192195       Well ID:       Not Report       DIL_GAS         192195       Well ID:       Not Report         1       API #:       42481         Not Reported       Side Track:       Not Report         Dry Hole       Vell ID:       Not Report

### AREA RADON INFORMATION

State Database: TX Radon

Radon Test Results

County	Mean	Total Sites	%>4 pCi/L	%>20 pCi/L	Min pCi/L	Max pCi/L
WHARTON	<.5	4	.0	.0	<.5	1.9

#### Federal EPA Radon Zone for WHARTON County: 3

Note: Zone 1 indoor average level > 4 pCi/L. : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L. : Zone 3 indoor average level < 2 pCi/L.

#### Federal Area Radon Information for WHARTON COUNTY, TX

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water Supply Sources Databases Source: Texas Commission on Environmental Quality Telephone: 512-239-6199 Locations of public drinking water sources maintained by the TCEQ.

Groundwater Database Source: Texas Water Development Board Telephone: 512-936-0837

Well Report Database Source: Department of Licensing and Regulation Telephone: 512-936-0833

Water Well Database Source: Harris-Galveston Coastal Subsidence District Telephone: 281-486-1105

Brackish Resources Aquifer Characterization System Database

Source: Texas Water Development Board

WDB's Brackish Resources Aquifer Characterization System (BRACS) was designed to map and characterize the brackish aquifers of Texas in greater detail than previous studies. The information is contained in the BRACS Database and project data are summarized in a project report with companion geographic information system data files.

Submitted Driller's Reports Database

Source: Texas Water Development Board

Telephone: 512-936-0833

The Submitted Driller's Report Database is populated from the online Texas Well Report Submission and Retrieval System which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports.

#### OTHER STATE DATABASE INFORMATION

Texas Oil and Gas Wells Source: Texas Railroad Commission Telephone: 512-463-6882 Oil and gas well locations.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### RADON

State Database: TX Radon Source: Department of Health Telephone: 512-834-6688 Rinal Report of the Texas Indoor Radon Survey

Area Radon Information Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

#### STREET AND ADDRESS INFORMATION

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# Wharton 2

Unknown Wharton, TX 77488

Inquiry Number: 5631236.16 April 26, 2019

# **The EDR Aerial Photo Decade Package**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

# EDR Aerial Photo Decade Package

### Site Name:

#### Client Name:

04/26/19

Wharton 2 Unknown Wharton, TX 77488 EDR Inquiry # 5631236.16 U.S. Army Corps of Engineers 819 Taylor Street Fort Worth, TX 76102-0300 Contact: David Clark



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search	Results:			
Year	Scale	Details	Source	
2016	1"=500'	Flight Year: 2016	USDA/NAIP	
2012	1"=500'	Flight Year: 2012	USDA/NAIP	
2008	1"=500'	Flight Year: 2008	USDA/NAIP	
2005	1"=500'	Flight Year: 2005	USDA/NAIP	
1995	1"=500'	Acquisition Date: February 04, 1995	USGS/DOQQ	
1981	1"=500'	Flight Date: January 01, 1981	USGS	
1972	1"=500'	Flight Date: January 01, 1972	ASCS	
1962	1"=500'	Flight Date: January 01, 1962	ASCS	
1956	1"=500'	Flight Date: January 01, 1956	ASCS	
1953	1"=500'	Flight Date: January 01, 1953	USGS	

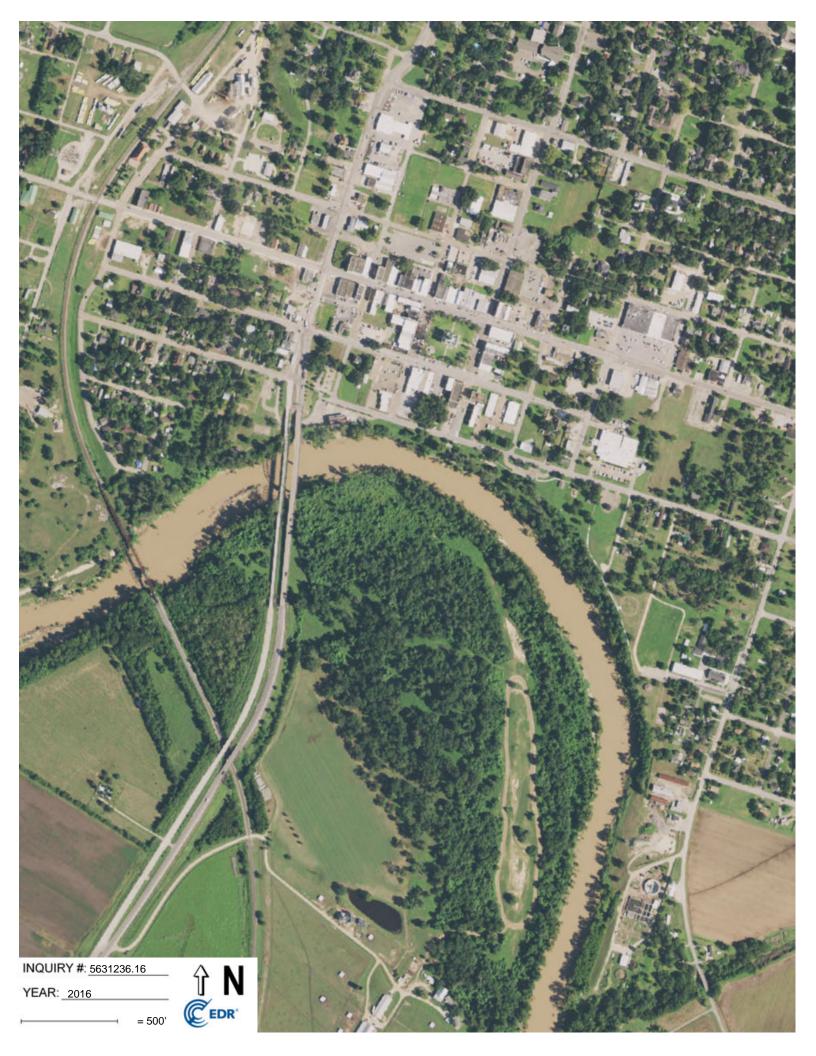
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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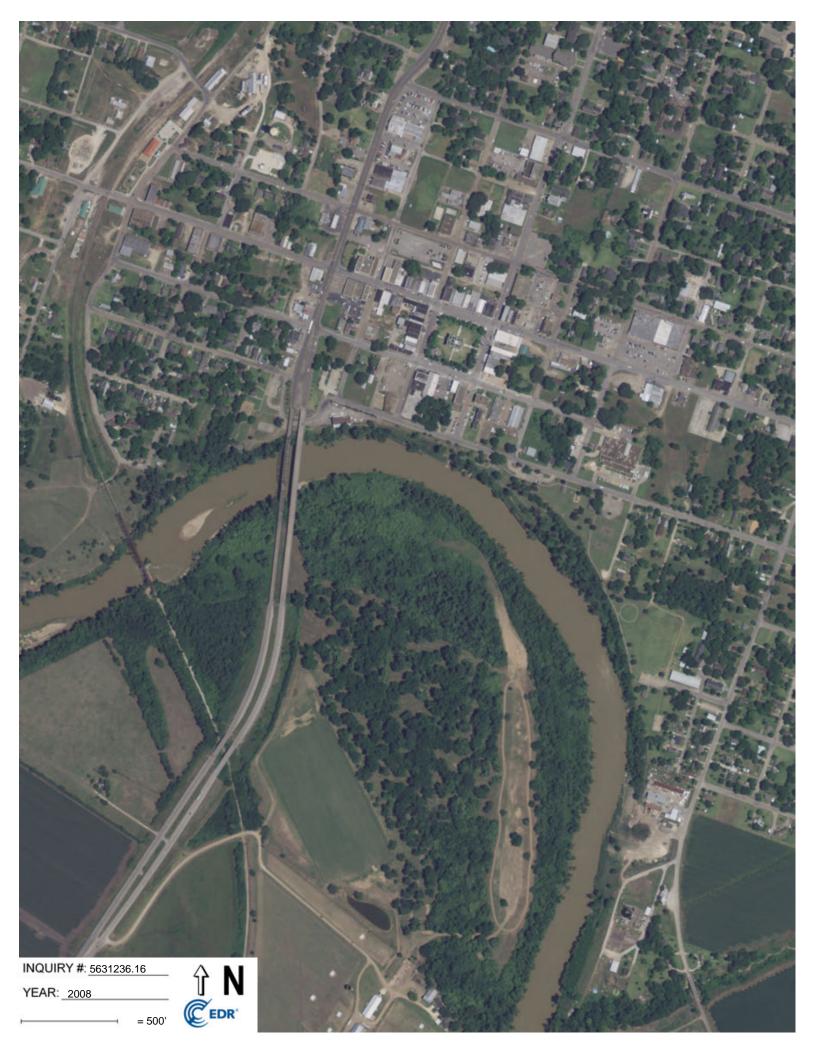
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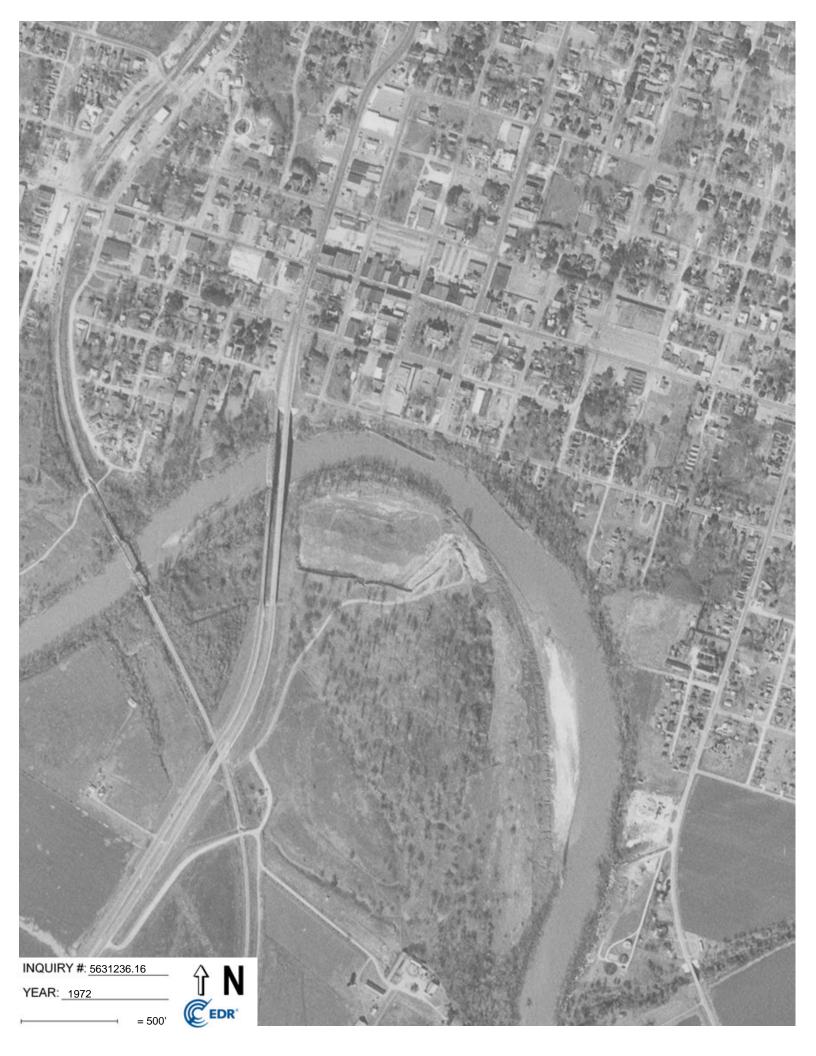






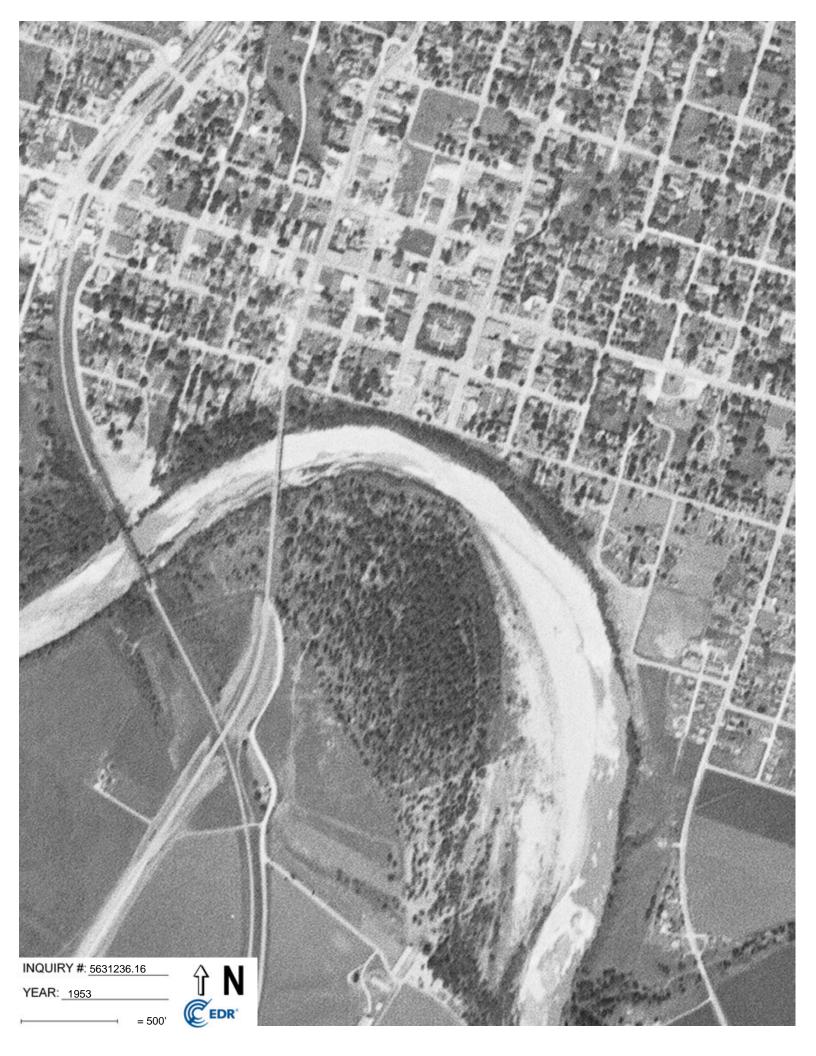












Wharton 2 Unknown Wharton, TX 77488

Inquiry Number: 5631236.13 April 24, 2019

# EDR Historical Topo Map Report with QuadMatch™



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

EDR Historical Topo Map Report		04/24/19
Site Name:	Client Name:	

### Wharton 2 Unknown Wharton, TX 77488 EDR Inquiry # 5631236.13

U.S. Army Corps of Engineers 819 Taylor Street Fort Worth, TX 76102-0300 Contact: David Clark



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by U.S. Army Corps of Engineers were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Res	ults:	Coordinates:	
P.O.#	NA	Latitude:	29.307581 29° 18' 27" North
Project:	NA	Longitude:	-96.101672 -96° 6' 6" West
-		UTM Zone:	Zone 14 North
		UTM X Meters:	781520.14
		UTM Y Meters:	3245551.05
		Elevation:	100.25' above sea level
Maps Provid	led:		
2013			

1980 1953

1929

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### **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2013 Source Sheets





7.5-minute, 24000

2013

Glen Flora 2013 7.5-minute, 24000





Glen Flora 1980 7.5-minute, 24000 Aerial Photo Revised 1977

### **1953 Source Sheets**



Wharton 1953 7.5-minute, 24000 Aerial Photo Revised 1951

### **1929 Source Sheets**



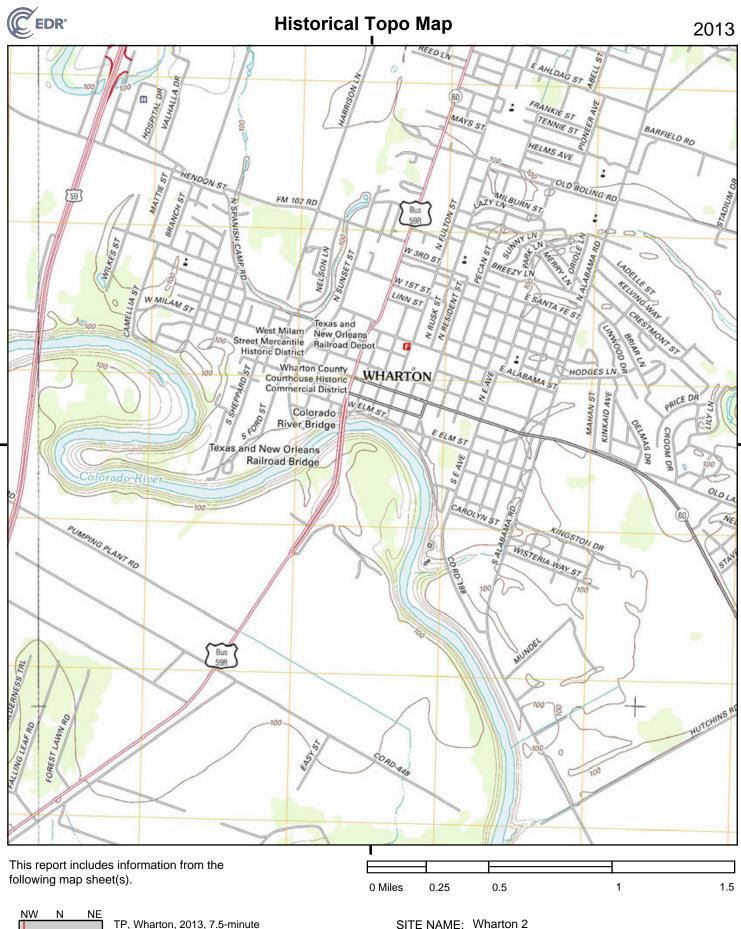
WHARTON 1929 30-minute, 125000

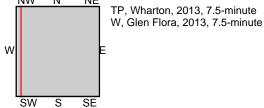


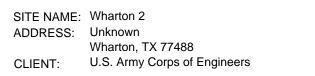
Wharton 1980 7.5-minute, 24000 Aerial Photo Revised 1977

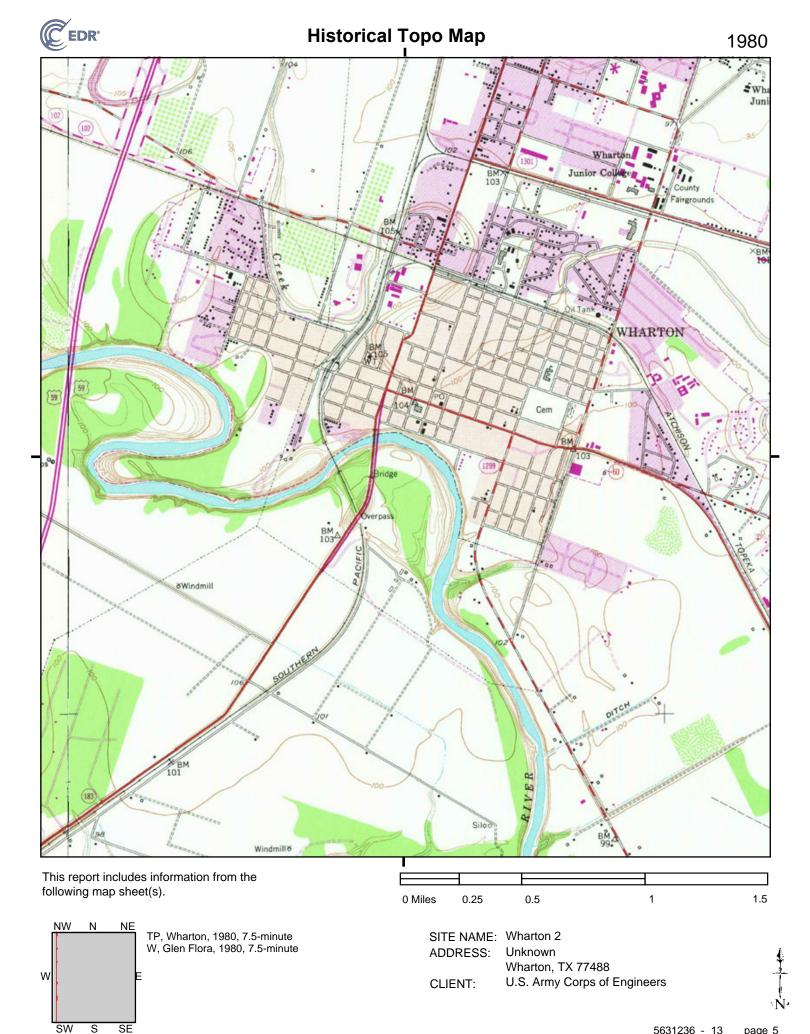


Glen Flora 1953 7.5-minute, 24000 Aerial Photo Revised 1951



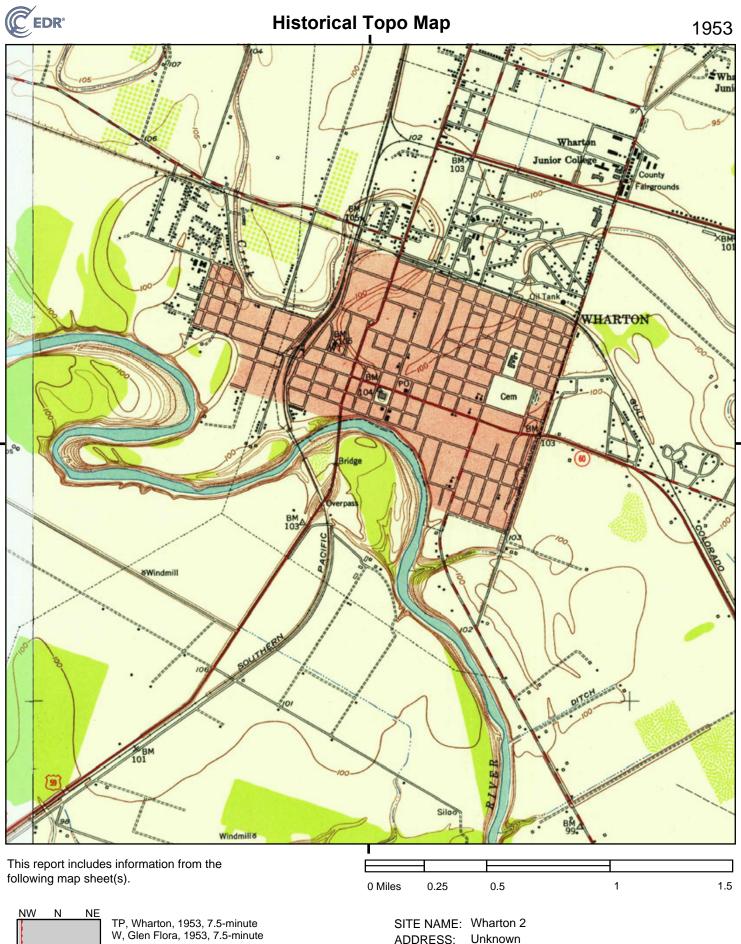


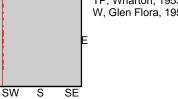




### 5631236 - 13

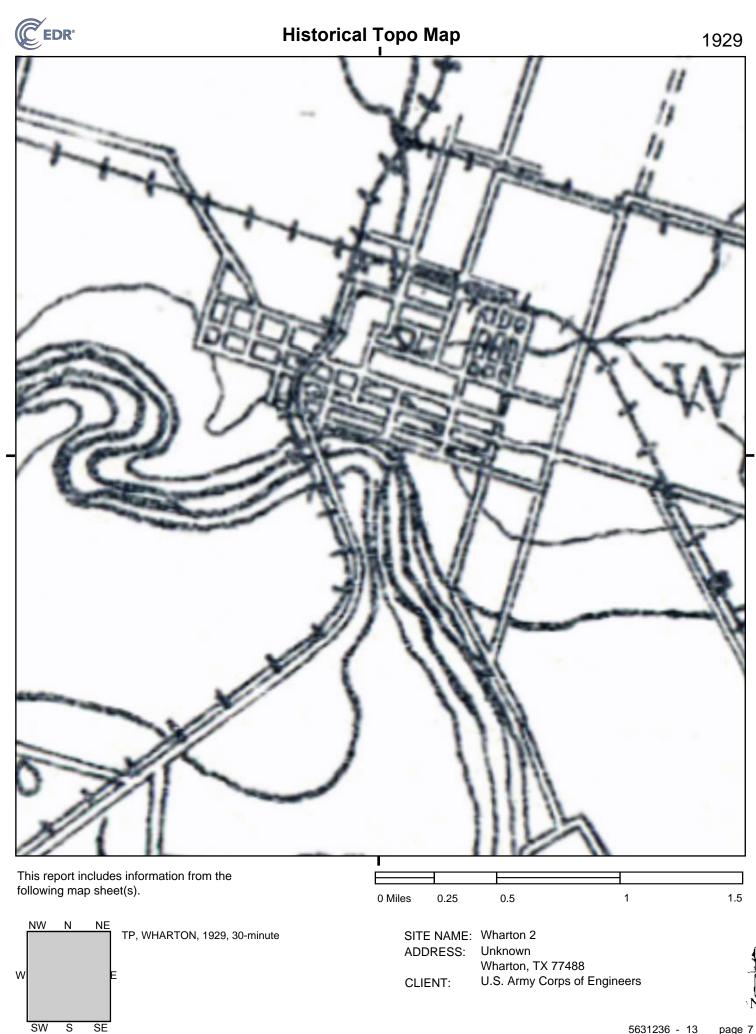
page 5





W

SITE NAME:	Wharton 2
ADDRESS:	Unknown
	Wharton, TX 77488
CLIENT:	U.S. Army Corps of Engineers



# Wharton 3 Unknown Wharton, TX 77488

Inquiry Number: 5631236.20s April 24, 2019

# The EDR Radius Map<sup>™</sup> Report with GeoCheck®



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Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1

### **GEOCHECK ADDENDUM**

Physical Setting Source Addendum	A-1
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Physical Setting SSURGO Soil Map	A-5
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Physical Setting Source Map Findings	A-10
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*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

### ADDRESS

UNKNOWN WHARTON, TX 77488

### COORDINATES

Latitude (North):	29.3434600 - 29° 20' 36.45''
Longitude (West):	96.0800740 - 96° 4' 48.26''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	783525.2
UTM Y (Meters):	3249404.0
Elevation:	96 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: Version Date: 5937251 WHARTON, TX 2013

### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: Source: 20140813 USDA DATABASE ACRONYMS

Target Property Address: UNKNOWN WHARTON, TX 77488

Click on Map ID to see full detail.

MAP ID

SITE NAME

ADDRESS

NO MAPPED SITES FOUND

5631236.20s Page 2

DIST (ft. & mi.) DIRECTION

RELATIVE

ELEVATION

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens

### Federal Delisted NPL site list

Delisted NPL\_\_\_\_\_ National Priority List Deletions

### Federal CERCLIS list

FEDERAL FACILITY\_\_\_\_\_\_ Federal Facility Site Information listing SEMS\_\_\_\_\_\_ Superfund Enterprise Management System

### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE...... Superfund Enterprise Management System Archive

### Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### Federal RCRA generators list

RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator

### Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
US ENG CONTROLS	Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

### Federal ERNS list

ERNS..... Emergency Response Notification System

### State- and tribal - equivalent NPL

SHWS\_\_\_\_\_ State Superfund Registry

### State and tribal landfill and/or solid waste disposal site lists

SWF/LF	Permitted Solid Waste Facilities
DEBRIS	DEBRIS
CLI	Closed Landfill Inventory
WASTE MGMT	Commercial Hazardous & Solid Waste Management Facilities

### State and tribal leaking storage tank lists

INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
LPST	Leaking Petroleum Storage Tank Listing

### State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
UST	Petroleum Storage Tank Database
AST	Petroleum Storage Tank Database
INDIAN UST	Underground Storage Tanks on Indian Land

### State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

### State and tribal voluntary cleanup sites

INDIAN VCP...... Voluntary Cleanup Priority Listing VCP...... Voluntary Cleanup Program Database

### State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Assessments

### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

### Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY	Recycling Facility Listing
	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
PRIORITYCLEANERS	. Dry Cleaner Remediation Program Prioritization List
	. Deleted Superfund Registry Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

### Local Lists of Registered Storage Tanks

NON REGIST PST..... Petroleum Storage Tank Non Registered

### Local Land Records

HIST LIENS	Environmental Liens Listing
LIENS	
LIENS 2	CERCLA Lien Information

### Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	
SPILLS 90	. SPILLS 90 data from FirstSearch
SPILLS 80	. SPILLS 80 data from FirstSearch

### Other Ascertainable Records

FUDS. DOD. SCRD DRYCLEANERS. US FIN ASSUR. EPA WATCH LIST. 2020 COR ACTION. TSCA. TRIS. SSTS. ROD. RMP. RAATS. PRP. PADS. ICIS. FTTS. MLTS. COAL ASH DOE. COAL ASH EPA.	<ul> <li>2020 Corrective Action Program List</li> <li>Toxic Substances Control Act</li> <li>Toxic Chemical Release Inventory System</li> <li>Section 7 Tracking Systems</li> <li>Records Of Decision</li> <li>Risk Management Plans</li> <li>RCRA Administrative Action Tracking System</li> <li>Potentially Responsible Parties</li> <li>PCB Activity Database System</li> <li>Integrated Compliance Information System</li> <li>FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, &amp; Rodenticide Act)/TSCA (Toxic Substances Control Act)</li> <li>Material Licensing Tracking System</li> <li>Steam-Electric Plant Operation Data</li> <li>Coal Combustion Residues Surface Impoundments List</li> </ul>
PCB TRANSFORMER	PCB Transformer Registration Database
	Radiation Information Database FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data

### EDR HIGH RISK HISTORICAL RECORDS

### EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

### **Exclusive Recovered Govt. Archives**

```
RGA HWS______ Recovered Government Archive State Hazardous Waste Facilities List RGA LF______ Recovered Government Archive Solid Waste Facilities List
```

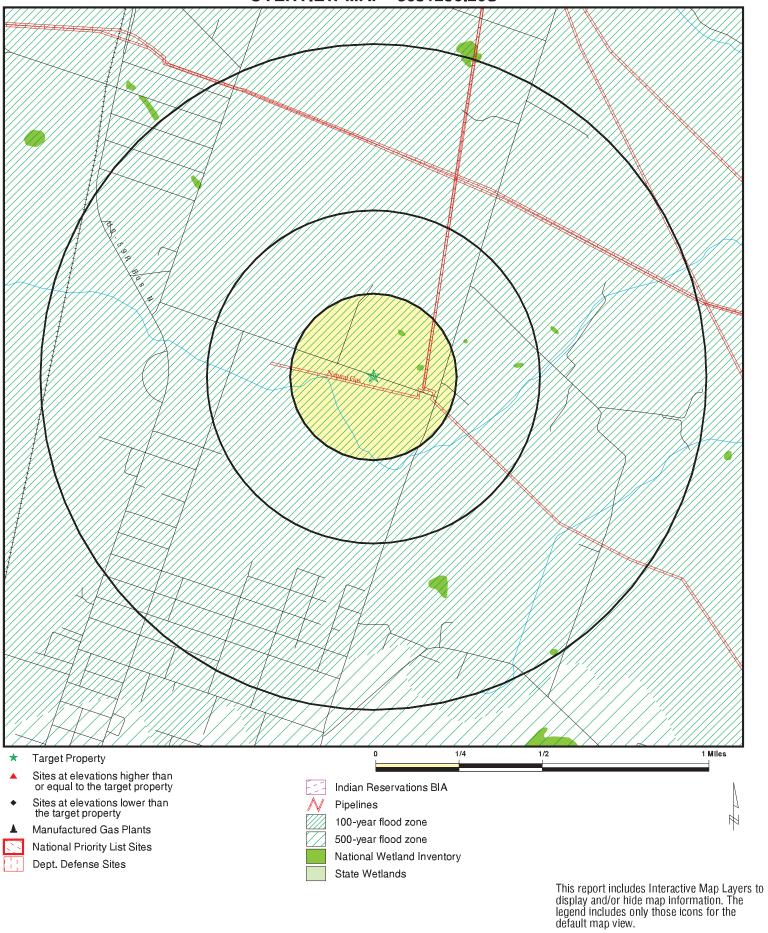
### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

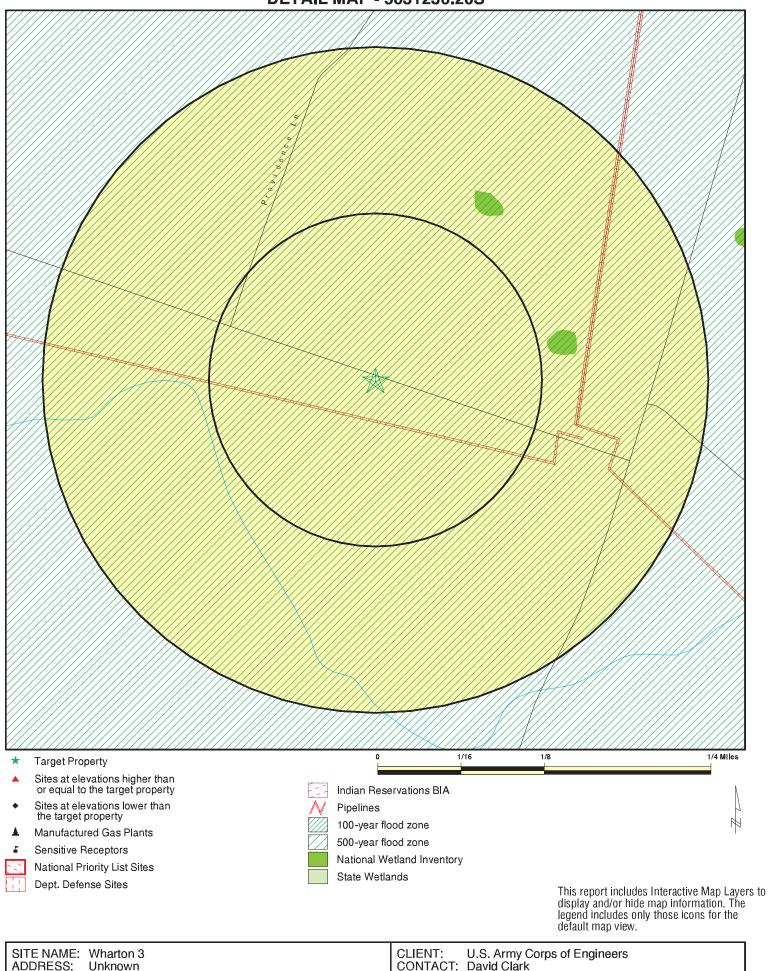
Unmappable (orphan) sites are not considered in the foregoing analysis.

There were no unmapped sites in this report.

**OVERVIEW MAP - 5631236.20S** 



	Unknown Wharton TX 77488	CONTACT: INQUIRY #:	U.S. Army Corps of Engineers David Clark 5631236.20s April 24, 2010, 11:26 am
LAT/LONG:	29.34346 / 96.080074	DATE:	April 24, 2019 11:26 am



ADDRESS: LAT/LONG:	CONTACT: David Clark INQUIRY #: 5631236.20s DATE: April 24, 2019 11:27 am
	Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent NPL							
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill a solid waste disposal sit								
SWF/LF DEBRIS CLI WASTE MGMT	0.500 0.500 0.500 TP		0 0 0 NR	0 0 0 NR	0 0 0 NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal leaking	storage tank l	ists						
INDIAN LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LPST	0.500		0	0	0	NR	NR	0
State and tribal registere	ed storage tai	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal institution control / engineering control / engin		s						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntar	y cleanup sit	es						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	NTAL RECORD	S						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL PRIORITYCLEANERS DEL SHWS US CDL PFAS	TP TP 0.500 1.000 TP TP		NR NR 0 NR NR	NR 0 0 NR NR	NR 0 0 NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Registere	d Storage Tai	nks						
NON REGIST PST	0.250		0	0	NR	NR	NR	0
Local Land Records								
HIST LIENS LIENS LIENS 2	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Records of Emergency I	Release Repo	rts						
HMIRS	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90 SPILLS 80	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec								Ū
			0	0				0
RCRA NonGen / NLR FUDS	0.250		0	0	NR	NR	NR NR	0
DOD	1.000 1.000		0 0	0 0	0 0	0 0	NR	0 0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	ŏ
2020 COR ACTION	0.250		0	0	NR	NR	NR	Ő
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS COAL ASH DOE	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH DOE	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.500 TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	õ
DOT OPS	TP		NR	NR	NR	NR	NR	Õ
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
USAIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250				NR	NR	NR	0
FINDS UXO	TP 1.000		NR 0	NR 0	NR 0	NR 0	NR NR	0 0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	Õ
APAR	TP		NR	NR	NR	NR	NR	Ō
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ED AQUIF	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GCC	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IOP	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
Ind. Haz Waste	0.250		0	0	NR	NR	NR	0
MSD	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
RWS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
IHW CORR ACTION	0.250		0	0	NR	NR	NR	0
PST STAGE 2	0.250		0	0	NR	NR	NR	0
COMP HIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORIC								
EDR Exclusive Records	5							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVER		VES						
Exclusive Recovered G	ovt. Archives							
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGALF	TP		NR	NR	NR	NR	NR	Õ
- Totals		0	0	0	0	0	0	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Database(s) E

EDR ID Number EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City EDR ID Database(s) Site Name Site Address Zip

NO SITES FOUND

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC) Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: N/A Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 92 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

#### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 34 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 34

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 03/27/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Quarterly

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### Federal RCRA generators list

### RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019Source: Environmental Protection AgencyDate Data Arrived at EDR: 03/27/2019Telephone: 214-665-6444Date Made Active in Reports: 04/17/2019Last EDR Contact: 03/27/2019Number of Days to Update: 21Next Scheduled EDR Contact: 07/08/2019Data Release Frequency: Quarterly

#### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/22/2019Source: Department of the NavyDate Data Arrived at EDR: 03/07/2019Telephone: 843-820-7326Date Made Active in Reports: 04/17/2019Last EDR Contact: 02/07/2019Number of Days to Update: 41Next Scheduled EDR Contact: 05/27/2019Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/31/2019 Date Data Arrived at EDR: 02/04/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 02/04/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 02/04/2019 Date Data Arrived at EDR: 02/08/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 28 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### State- and tribal - equivalent NPL

SHWS: State Superfund Registry

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/08/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 12/27/2018	Telephone: 512-239-5680
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Semi-Annually

### State and tribal landfill and/or solid waste disposal site lists

#### SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 63 Source: Texas Commission on Environmental Quality Telephone: 512-239-6706 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Quarterly

#### CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas. For current information regarding any of the sites included in this database, contact the appropriate Council of Governments agency.

Date of Government Version: 08/30/1999 Date Data Arrived at EDR: 09/28/2000 Date Made Active in Reports: 10/30/2000 Number of Days to Update: 32 Source: Texas Commission on Environmental Quality Telephone: N/A Last EDR Contact: 04/02/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

### DEBRIS: DEBRIS

A listing of temporary debris management sites and MSW landfills for debris resulting from Hurricane Harvey.

Date of Government Version: 03/27/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/04/2018	Telephone: 512-239-6840
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 04/08/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/24/2019 Data Release Frequency: Varies

#### H-GAC CLI: Houston-Galveston Closed Landfill Inventory

Closed Landfill Inventory for the Houston-Galveston Area Council Region. In 1993, the Texas Legislature passed House Bill (HB) 2537, which required Councils of Governments (COGs) to develop an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Date of Government Version: 01/02/2019	Source: Houston-Galveston Area Council
Date Data Arrived at EDR: 01/03/2019	Telephone: 832-681-2518
Date Made Active in Reports: 02/08/2019	Last EDR Contact: 04/04/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

WASTE MGMT: Commercial Hazardous & Solid Waste Management Facilities This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 02/02/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/06/2018	Telephone: 512-239-2920
Date Made Active in Reports: 06/13/2018	Last EDR Contact: 04/05/2019
Number of Days to Update: 68	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

#### State and tribal leaking storage tank lists

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

urce: EPA Region 6
ephone: 214-665-6597
st EDR Contact: 03/07/2019
xt Scheduled EDR Contact: 05/06/2019
ta Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018	
Date Data Arrived at EDR: 05/18/2018	
Date Made Active in Reports: 07/20/2018	
Number of Days to Update: 63	

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Ta LUSTs on Indian land in Colorado, Montana, N	anks on Indian Land Iorth Dakota, South Dakota, Utah and Wyoming.
Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R7: Leaking Underground Storage Ta LUSTs on Indian land in Iowa, Kansas, and Ne	
Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R4: Leaking Underground Storage Ta LUSTs on Indian land in Florida, Mississippi ar	
Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN LUST R1: Leaking Underground Storage Ta A listing of leaking underground storage tank to	
Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
LPST: Leaking Petroleum Storage Tank Database An inventory of reported leaking petroleum stor the information stored varies by state.	rage tank incidents. Not all states maintain these records, and
Date of Government Version: 03/26/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 14	Source: Texas Commission on Environmental Quality Telephone: 512-239-2200 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
State and tribal registered storage tank lists	
FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground stora	ige tanks.
Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 136	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies

UST: Petroleum Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

	Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 15	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
AST	Petroleum Storage Tank Database Registered Aboveground Storage Tanks.	
	Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 15	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
INDIAN UST R10: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on India land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).		
	Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN UST R7: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).		
	Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies
INDIAN UST R6: Underground Storage Tanks on Indian Land The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).		
	Date of Government Version: 04/01/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63	Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019

Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 63 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 03/07/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Varies

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### State and tribal institutional control / engineering control registries

#### AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 10/04/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/12/2018	Telephone: 512-239-5891
Date Made Active in Reports: 11/07/2018	Last EDR Contact: 04/01/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

#### State and tribal voluntary cleanup sites

VCP TCEQ: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 10/01/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/09/2018 Number of Days to Update: 38 Source: Texas Commission on Environmental Quality Telephone: 512-239-5891 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.		
Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27	Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009 Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies	
INDIAN VCP R1: Voluntary Cleanup Priority Listing A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.		
Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016 Number of Days to Update: 142	Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies	
VCP RRC: Voluntary Cleanup Program Sites The Voluntary Cleanup Program (RRC-VCP) provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination. Applicants to the program receive a release of liability to the state in exchange for a successful cleanup.		
Date of Government Version: 11/20/2018 Date Data Arrived at EDR: 01/03/2019 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 36	Source: Railroad Commission of Texas Telephone: 512-463-6969 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019	

#### State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Assessments

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 12/04/2018	Source: TCEQ
Date Data Arrived at EDR: 01/03/2019	Telephone: 512-239-5872
Date Made Active in Reports: 02/07/2019	Last EDR Contact: 04/04/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Semi-Annually

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Data Release Frequency: Varies

Date of Government Version: 12/17/2018 Date Data Arrived at EDR: 12/18/2018 Date Made Active in Reports: 01/11/2019 Number of Days to Update: 24 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 03/19/2019 Next Scheduled EDR Contact: 07/01/2019 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

### CAPCOG LI: Capitol Area Landfill Inventory

Permitted and unpermitted landfills for the CAPCOG region. Serving Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Travis, and Williamson Counties.

nays, Lee, L	Hays, Lee, Liano, Travis, and Williamson Counties.	
Date Data A Date Made A	ernment Version: 01/06/2017 rrived at EDR: 01/10/2017 active in Reports: 03/15/2017 ays to Update: 64	Source: Capital Area Council of Governments Telephone: 512-916-6000 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	h Central Landfill Inventory I Texas Council of Governments la	andfill database.
Date Data A Date Made A	ernment Version: 01/03/2019 rrived at EDR: 01/04/2019 active in Reports: 02/08/2019 ays to Update: 35	Source: North Central Texas Council of Governments Telephone: 817-695-9223 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
SWRCY: Recyclir A listing of re	ng Facility Listing ccycling facilities in the state.	
Date Data A Date Made A	ernment Version: 02/15/2019 rived at EDR: 02/19/2019 active in Reports: 03/29/2019 ays to Update: 38	Source: TCEQ Telephone: 512-239-6700 Last EDR Contact: 02/07/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies
INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.		on Indian Lands
Date Data A Date Made A	ernment Version: 12/31/1998 rrived at EDR: 12/03/2007 active in Reports: 01/24/2008 ays to Update: 52	Source: Environmental Protection Agency Telephone: 703-308-8245 Last EDR Contact: 01/29/2019 Next Scheduled EDR Contact: 05/13/2019 Data Release Frequency: Varies
DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Rivers County and northern Imperial County, California.		orres Martinez Indian Reservation located in eastern Riverside
Date Data A Date Made A	ernment Version: 01/12/2009 rrived at EDR: 05/07/2009 active in Reports: 09/21/2009 ays to Update: 137	Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: No Update Planned
ODI: Open Dump Inventory An open dump is defined as a disposal facility that does not comply with one or more of the Part 2 Subtitle D Criteria.		that does not comply with one or more of the Part 257 or Part 258
Date Data A Date Made A	ernment Version: 06/30/1985 rrived at EDR: 08/09/2004 active in Reports: 09/17/2004 ays to Update: 39	Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
IHS OPEN DUMPS: Open Dumps on Indian Land A listing of all open dumps located on Indian Land in the United States.		

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 176 Source: Department of Health & Human Serivces, Indian Health Service Telephone: 301-443-1452 Last EDR Contact: 02/01/2019 Next Scheduled EDR Contact: 05/13/2019 Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/24/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/26/2019	Telephone: 202-307-1000
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 02/21/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: No Update Planned

CDL: Clandestine Drug Site Locations Listing A listing of former clandestine drug site locations

Date of Government Version: 08/07/2017	Source: Department of Public Safety
Date Data Arrived at EDR: 08/15/2017	Telephone: 512-424-2144
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 01/28/2019
Number of Days to Update: 269	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Varies

PRIORITY CLEANERS: Dry Cleaner Remediation Program Prioritization List A listing of dry cleaner related contaminated sites.

Date of Government Version: 02/25/2019 Date Data Arrived at EDR: 03/06/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 36 Source: Texas Commission on Environmenatl Quality Telephone: 512-239-5658 Last EDR Contact: 03/06/2019 Next Scheduled EDR Contact: 06/18/2108 Data Release Frequency: Varies

DEL SHWS: Deleted Superfund Registry Sites

Sites have been deleted from the state Superfund registry in accordance with the Act, ?361.189

Date of Government Version: 11/08/2018 Date Data Arrived at EDR: 12/27/2018	Source: Texas Commission on Environmental Quality Telephone: 512-239-0666
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Quarterly

#### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/24/2019 Date Data Arrived at EDR: 02/26/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 50 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 02/21/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Quarterly

#### PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 11/05/2018 Date Data Arrived at EDR: 11/07/2018 Date Made Active in Reports: 04/15/2019 Number of Days to Update: 159 Source: Texas Commission on Environmental Quality Telephone: 512-239-2341 Last EDR Contact: 03/04/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

#### Local Lists of Registered Storage Tanks

NON REGIST PST: Petroleum Storage Tank Non Registered A listing of non-registered petroleum storage tank site locations.

Date of Government Version: 01/29/2019 Date Data Arrived at EDR: 01/31/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 57

Source: Texas Commission on Environmental Quality Telephone: 512-239-2081 Last EDR Contact: 01/31/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Quarterly

#### Local Land Records

HIST LIENS: Environmental Liens Listing

This listing contains information fields that are no longer tracked in the LIENS database.

Date of Government Version: 03/23/2007	Source: Texas Commission on Environmental Qualilty
Date Data Arrived at EDR: 03/23/2007	Telephone: 512-239-2209
Date Made Active in Reports: 05/02/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

The listing covers TCEQ liens placed against either State Superfund sites or Federal Superfund sites to recover cost incurred by TCEQ.

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2209
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

#### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 03/21/2019 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Semi-Annually

#### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/08/2019Source: U.S. IDate Data Arrived at EDR: 02/08/2019Telephone: 20Date Made Active in Reports: 03/21/2019Last EDR ConNumber of Days to Update: 41Next Schedule

Source: U.S. Department of Transportation Telephone: 202-366-4555 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### SPILLS: Spills Database

Spills reported to the Emergency Response Division.

Date of Government Version: 10/18/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/19/2018	Telephone: 512-239-2507
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 04/04/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Quarterly

#### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/23/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/07/2013 Number of Days to Update: 63 Source: FirstSearch Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 05/15/2005Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 03/07/2013Last EDR Contact: 0Number of Days to Update: 63Next Scheduled EDR

Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### Other Ascertainable Records

#### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 04/03/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: N/A

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 02/15/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies

#### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/31/2019 Date Data Arrived at EDR: 02/04/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 32 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 02/08/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Quarterly

#### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 02/08/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 198 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 03/22/2019 Next Scheduled EDR Contact: 07/01/2019 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016SDate Data Arrived at EDR: 01/10/2018TDate Made Active in Reports: 01/12/2018LNumber of Days to Update: 2N

Source: EPA Telephone: 202-566-0250 Last EDR Contact: 02/20/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually

#### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011 Number of Days to Update: 77 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 05/06/2019 Data Release Frequency: Annually

#### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/11/2019 Date Data Arrived at EDR: 03/14/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 18 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2019 Date Data Arrived at EDR: 02/14/2019 Date Made Active in Reports: 03/21/2019 Number of Days to Update: 35 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

#### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

#### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/11/2019	Source: EPA
Date Data Arrived at EDR: 03/14/2019	Telephone: 202-564-6023
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 04/18/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 04/10/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/22/201
	Data Release Frequency: Annually

#### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 04/08/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Quarterly

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FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 04/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	
Date Data Arrived at EDR: 09/10/2014	
Date Made Active in Reports: 10/20/2014	
Number of Days to Update: 40	

Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/25/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/02/2019 Date Data Arrived at EDR: 01/03/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 71 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 04/02/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/29/2019	Telephone: 202-366-4595
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 01/29/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

#### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2018	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/11/2019	Telephone: Varies
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Varies

#### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017 Number of Days to Update: 218 Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/13/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Biennially

#### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/11/2019
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Semi-Annually

#### FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	
Date Data Arrived at EDR: 09/11/2018	
Date Made Active in Reports: 09/14/2018	
Number of Days to Update: 3	

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/31/2019 Next Scheduled EDR Contact: 05/20/2019 Data Release Frequency: Varies

#### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017 Number of Days to Update: 23 Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/22/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

#### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/11/2019Source: EnvironmentDate Data Arrived at EDR: 03/14/2019Telephone: 703-60Date Made Active in Reports: 03/21/2019Last EDR Contact:Number of Days to Update: 7Next Scheduled EDR

Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 04/18/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

#### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36 Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.	
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US MINES: Mines Master Index File Contains all mine identification numbers issue violation information.	ed for mines active or opened since 1971. The data also includes
Date of Government Version: 11/27/2018 Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 33	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 02/27/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Semi-Annually
	al mines are facilities that extract ferrous metals, such as iron rous metal mines are facilities that extract nonferrous metals, such
Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 49	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies
US MINES 3: Active Mines & Mineral Plants Datab Active Mines and Mineral Processing Plant of of the USGS.	pase Listing perations for commodities monitored by the Minerals Information Team
Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies
information needed to implement the Surface contains information on the location, type, an with the reclamation of those problems. The i	bast mining (primarily coal mining) is maintained by OSMRE to provide Mining Control and Reclamation Act of 1977 (SMCRA). The inventory d extent of AML impacts, as well as, information on the cost associated inventory is based upon field surveys by State, Tribal, and OSMRE hat it is modified as new problems are identified and existing
Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018 Number of Days to Update: 3	Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/21/2019 Next Scheduled EDR Contact: 06/24/2019 Data Belease Frequency: Quarterly

Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 10	Source: EPA Telephone: (214) 665-2200 Last EDR Contact: 03/05/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Quarterly
DOCKET HWC: Hazardous Waste Compliance Doo A complete list of the Federal Agency Hazardo	5
Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018 Number of Days to Update: 71	Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

#### ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/03/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: 202-564-2280
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/09/2019
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Quarterly

#### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/15/2019
Number of Days to Update: 74	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Varies

#### FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/19/2019	
Date Data Arrived at EDR: 02/21/2019	
Date Made Active in Reports: 04/01/2019	
Number of Days to Update: 39	

Source: EPA Telephone: 800-385-6164 Last EDR Contact: 02/21/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Quarterly

#### AIRS: Current Emission Inventory Data

The database lists by company, along with their actual emissions, the TNRCC air accounts that emit EPA criteria pollutants.

Date of Government Version: 01/16/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/18/2019	Telephone: N/A
Date Made Active in Reports: 03/25/2019	Last EDR Contact: 03/11/2019
Number of Days to Update: 66	Next Scheduled EDR Contact: 06/24/2019
	Data Release Frequency: Semi-Annually

APAR: Affected Property Assessment Report Site Listing of Sites That Have Received an APAF	-
Date of Government Version: 01/09/2019 Date Data Arrived at EDR: 01/11/2019 Date Made Active in Reports: 03/25/2019 Number of Days to Update: 73	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies
ASBESTOS: Asbestos Notification Listing A listing of asbestos notification site locations	s.
Date of Government Version: 03/05/2019 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 35	Source: Department of State Health Services Telephone: 512-834-6787 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies
COAL ASH: Coal Ash Disposal Sites A listing of facilities that use surface impound	ments or landfills to dispose of coal ash.
Date of Government Version: 05/02/2018 Date Data Arrived at EDR: 05/07/2018 Date Made Active in Reports: 06/07/2018 Number of Days to Update: 31	Source: Texas Commission on Environmental Quality Telephone: 512-239-6624 Last EDR Contact: 01/28/2019 Next Scheduled EDR Contact: 05/11/2019 Data Release Frequency: Varies
DRYCLEANERS: Drycleaner Registration Database A listing of drycleaning facilities.	se Listing
Date of Government Version: 02/01/2019 Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 43	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 02/27/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies
ED AQUIF: Edwards Aquifer Permits A listing of permits in the Edwards Aquifer Pro- located in the Austin Region (Hays, Travis, and	otection Program database. The information provided is for the counties nd Williamson counties).
Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 60	Source: Texas Commission on Environmental Quality, Austin Region Telephone: 512-339-2929 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies
ENFORCEMENT: Notice of Violations Listing A listing of permit violations.	
Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/29/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 56	Source: Texas Commission on Environmental Quality Telephone: 512-239-6012 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Semi-Annually
Financial Assurance 1: Financial Assurance Inform Financial assurance information.	nation Listing
Date of Government Version: 01/07/2019 Date Data Arrived at EDR: 01/10/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 75	Source: Texas Commission on Environmental Quality Telephone: 512-239-6239 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies

#### Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/12/2019 Number of Days to Update: 16 Source: Texas Commission on Environmental Quality Telephone: 512-239-0986 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### GCC: Groundwater Contamination Cases

Texas Water Code, Section 26.406 requires the annual report to describe the current status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The report is required to contain a description of each case of groundwater contamination documented during the previous calendar year. Also to be included, is a description of each case of contamination documented during previous periods for which voluntary clean up action was incomplete at the time the preceding report was issued. The report is also required to indicate the status of enforcement action for each listed case.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 08/31/2018 Date Made Active in Reports: 09/26/2018 Number of Days to Update: 26 Source: Texas Commission on Environmental Quality Telephone: 512-239-5690 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Annually

#### IOP: Innocent Owner/Operator Program

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Date of Government Version: 10/01/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/08/2018 Number of Days to Update: 37 Source: Texas Commission on Environmental Quality Telephone: 512-239-5894 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

#### LEAD: Lead Inspection Listing Lead inspection sites

Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 02/22/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 35 Source: Department of State Health Services Telephone: 512-834-6600 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Varies

#### Ind. Haz Waste: Industrial & Hazardous Waste Database

Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 01/04/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/16/2019	Telephone: 512-239-0985
Date Made Active in Reports: 03/26/2019	Last EDR Contact: 04/17/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Annually

#### MSD: Municipal Settings Designations Database

An MSD is an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not use as potable water, and is prohibited from future use as potatable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Date of Government Version: 01/18/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 65	Source: Texas Commission on Environmental Quality Telephone: 512-239-4982 Last EDR Contact: 01/16/2019 Next Scheduled EDR Contact: 05/11/2019 Data Release Frequency: Varies
NPDES: NPDES Facility List Permitted wastewater outfalls.	
Date of Government Version: 02/12/2019 Date Data Arrived at EDR: 02/14/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 43	Source: Texas Commission on Environmental Quality Telephone: 512-239-4591 Last EDR Contact: 02/14/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Varies
RWS: Radioactive Waste Sites Sites in the State of Texas that have been de	signated as Radioactive Waste sites.
Date of Government Version: 07/24/2006 Date Data Arrived at EDR: 12/14/2006 Date Made Active in Reports: 01/23/2007 Number of Days to Update: 40	Source: Texas Commission on Environmental Quality Telephone: 512-239-0859 Last EDR Contact: 02/15/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: Semi-Annually
TIER 2: Tier 2 Chemical Inventory Reports A listing of facilities which store or manufactu	re hazardous materials and submit a chemical inventory report.
Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 06/07/2013 Date Made Active in Reports: 07/22/2013 Number of Days to Update: 45	Source: Department of State Health Services Telephone: 512-834-6603 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually
	Q. Class V wells are used to inject non-hazardous fluids underground. astes into or above underground sources of drinking water and can pose
Date of Government Version: 01/15/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 71	Source: Texas Commission on Environmental Quality Telephone: 512-239-6627 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Varies
IHW CORR ACTION: IHW CORR ACTION Industrial hazardous waste facilities with corr	ective actions.
Date of Government Version: 01/14/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 68	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	f Stage II Rule a?? Gasoline dispensing facilities (GDFs) may begin on May 16, 2014 providing that all other requirements for decommissioning tion.
Date of Government Version: 01/17/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Lindate: 78	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019

Next Scheduled EDR Contact: 07/08/2019

Data Release Frequency: Varies

Number of Days to Update: 78

#### COMP HIST: Compliance History Listing A listing of compliance histories of regulated entities

Date of Government Version: 11/15/2018 Date Data Arrived at EDR: 11/29/2018 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 71 Source: Txas Commission on Environmental Quality Telephone: 512-239-3282 Last EDR Contact: 03/01/2019 Next Scheduled EDR Contact: 06/10/2019 Data Release Frequency: Varies

#### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR RECOVERED GOVERNMENT ARCHIVES

#### **Exclusive Recovered Govt. Archives**

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013	Source: Texas Commission on Environmental Quality Telephone: N/A
Date Made Active in Reports: 12/26/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 178	Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Telephone: N/A

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

**COUNTY RECORDS** 

#### TRAVIS COUNTY:

HIST UST AUSTIN: Historic Tank Records A listing of historic records from the City of Austin.

> Date of Government Version: 06/25/2012 Date Data Arrived at EDR: 06/29/2012 Date Made Active in Reports: 08/23/2012 Number of Days to Update: 55

Source: Department of Planning & Development Review Telephone: 512-974-2715 Last EDR Contact: 03/04/2019 Next Scheduled EDR Contact: 06/17/2019 Data Release Frequency: Varies

Source: Texas Commission on Environmental Quality

#### **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/11/2019 Date Data Arrived at EDR: 02/12/2019 Date Made Active in Reports: 03/04/2019 Number of Days to Update: 20 Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 02/12/2019 Next Scheduled EDR Contact: 05/27/2019 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information	
Hazardous waste manifest information. Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 07/13/2018 Date Made Active in Reports: 08/01/2018	Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 04/10/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Annually
NY MANIFEST: Facility and Manifest Data Manifest is a document that lists and tracks h facility.	nazardous waste from the generator through transporters to a TSE
Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 01/30/2019 Date Made Active in Reports: 02/14/2019 Number of Days to Update: 15	Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 01/30/2019 Next Scheduled EDR Contact: 05/11/2019 Data Release Frequency: Quarterly
PA MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/27/2018 Number of Days to Update: 35	Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
RI MANIFEST: Manifest information Hazardous waste manifest information	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018 Number of Days to Update: 45	Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 02/19/2019 Next Scheduled EDR Contact: 06/03/2019 Data Release Frequency: Annually
VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.	
Date of Government Version: 01/16/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 02/19/2019 Number of Days to Update: 33	Source: Department of Environmental Conservation Telephone: 802-241-3443 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
WI MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/15/2018 Date Made Active in Reports: 07/09/2018 Number of Days to Update: 24	Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 03/11/2019 Next Scheduled EDR Contact: 06/24/2019 Data Release Frequency: Annually
Gases (Miscellaneous)) N = Natural Gas Bundle (Miscellaneous)). This map includes information	, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty e (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases ocopyrighted by PennWell Corporation. This information Corporation does not guarantee its accuracy nor warrant

its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

#### Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services Telephone: 512-438-3269

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### STREET AND ADDRESS INFORMATION

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## **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

#### TARGET PROPERTY ADDRESS

WHARTON 3 UNKNOWN WHARTON, TX 77488

#### TARGET PROPERTY COORDINATES

Latitude (North):	29.34346 - 29° 20' 36.46''
Longitude (West):	96.080074 - 96° 4' 48.27''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	783525.2
UTM Y (Meters):	3249404.0
Elevation:	96 ft. above sea level

#### USGS TOPOGRAPHIC MAP

Target Property Map:	5937251 WHARTON, TX
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

#### **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

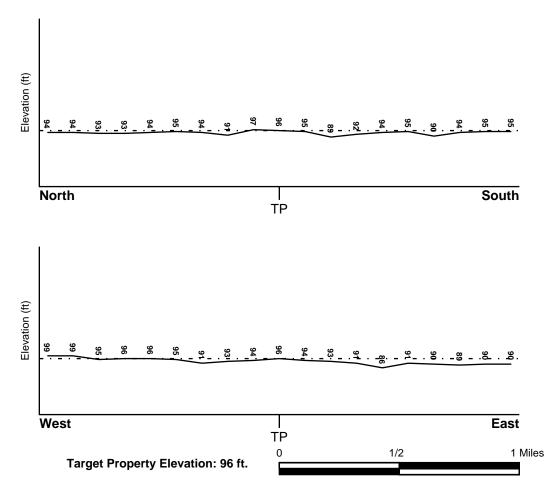
#### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

#### FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
4806520210C	FEMA Q3 Flood data
Additional Panels in search area:	FEMA Source Type
4806520250C 4806540005C	FEMA Q3 Flood data FEMA Q3 Flood data
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property WHARTON	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:	
Search Radius:	1.25 miles
Status:	Not found

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

#### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

#### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

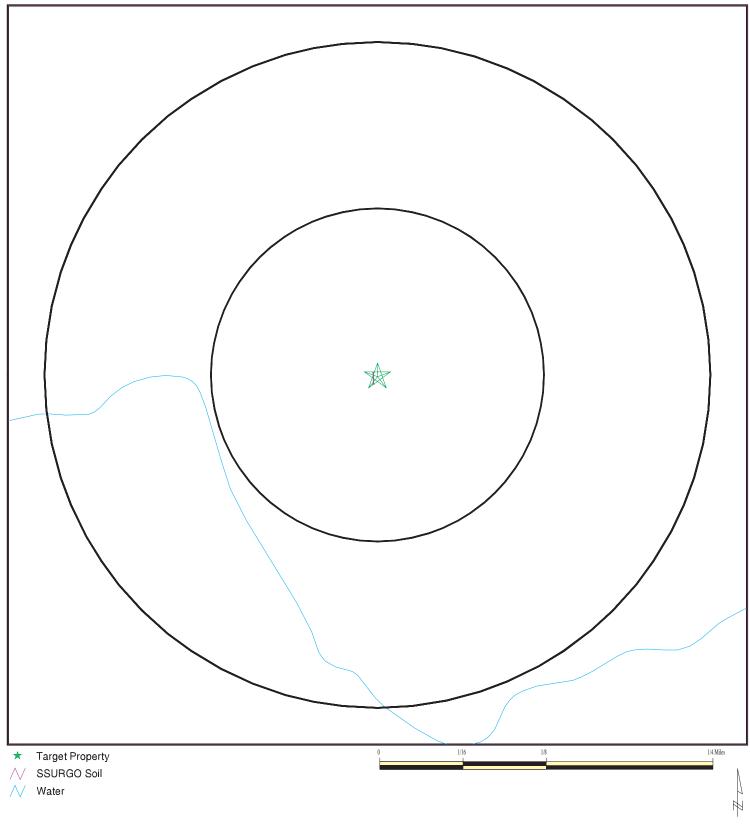
Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### GEOLOGIC AGE IDENTIFICATION

Era: Svstem:	Cenozoic Category: Quaternary	Stratifed Sequence
Series:	Holocene	
Code:	Qh (decoded above as Era, System & Series)	

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).



SITE NAME: Wharton 3	CLIENT: U.S. Army Corps of Engineers
ADDRESS: Unknown	CONTACT: David Clark
Wharton TX 77488	INQUIRY #: 5631236.20s
LAT/LONG: 29.34346 / 96.080074	DATE: April 24, 2019 11:28 am
	Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

#### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1	
Soil Component Name:	Brazoria
Soil Surface Texture:	clay
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Moderately well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
	Bou	oundary Classification Saturated					
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	59 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4

#### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

#### WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS Federal FRDS PWS	1.000 Nearest PWS within 1 mile
State Database	1.000

#### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TXMON5000382440	1/8 - 1/4 Mile ESE
2	TXMON5000425059	1/4 - 1/2 Mile West
A3	TXDOL2000163778	1/4 - 1/2 Mile SSE
A4	TXMON5000053055	1/4 - 1/2 Mile SSE
B5	TXDOL2000163759	1/4 - 1/2 Mile NE
B6	TXMON5000061894	1/4 - 1/2 Mile NE
7	TXMON5000222463	1/2 - 1 Mile SW
B8	TXDOL2000163751	1/2 - 1 Mile NE
B9	TXMON5000065903	1/2 - 1 Mile NE
10	TXDOL2000093144	1/2 - 1 Mile West
11	TXMON5000367906	1/2 - 1 Mile WNW
C12	TXMON5000175179	1/2 - 1 Mile NNE
C13	TXDOL2000163239	1/2 - 1 Mile NNE
D14	TXMON5000173674	1/2 - 1 Mile North
D15	TXDOL2000163253	1/2 - 1 Mile North
E16	TXEQ6000023387	1/2 - 1 Mile WNW
E17	TXMON5000184450	1/2 - 1 Mile WNW
E18	TXDOL2000163044	1/2 - 1 Mile WNW
E19	TXWDB7000112434	1/2 - 1 Mile NW
F20	TXMON5000342467	1/2 - 1 Mile SE
21	TXDOL2000110356	1/2 - 1 Mile NNE
22	TXMON5000296583	1/2 - 1 Mile SSW
F23	TXMON5000397332	1/2 - 1 Mile SE
24	TXMON5000252259	1/2 - 1 Mile NW
25	TXMON5000280397	1/2 - 1 Mile WSW
G26	TXMON5000145760	1/2 - 1 Mile WSW
G27	TXDOL2000163424	1/2 - 1 Mile WSW

#### **OTHER STATE DATABASE INFORMATION**

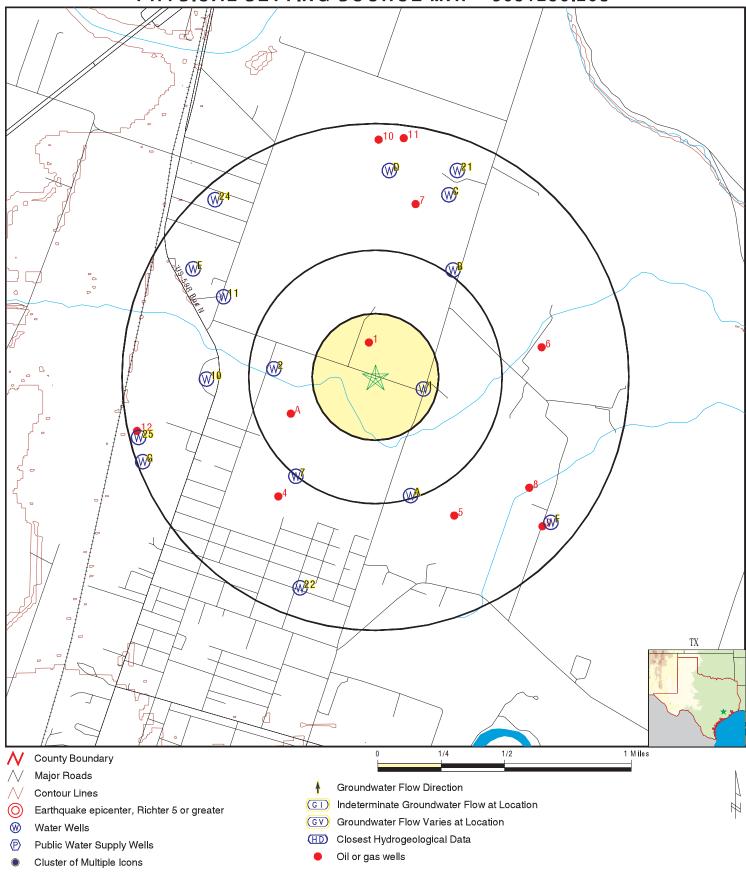
#### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TXOG70000220843	1/8 - 1/4 Mile North
A2	TXOG70000220848	1/4 - 1/2 Mile WSW
A3	TXOG70000220847	1/4 - 1/2 Mile WSW
4	TXOG70000220851	1/2 - 1 Mile SW

#### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	TXOG70000220852	1/2 - 1 Mile SSE
6	TXOG70000220842	1/2 - 1 Mile East
7	TXOG70000220837	1/2 - 1 Mile NNE
8	TXOG70000220850	1/2 - 1 Mile SE
9	TXOG70000220853	1/2 - 1 Mile SE
10	TXOG70000220835	1/2 - 1 Mile North
11	TXOG70000220834	1/2 - 1 Mile North
12	TXOG70000220849	1/2 - 1 Mile WSW

## **PHYSICAL SETTING SOURCE MAP - 5631236.20s**



SITE NAME: Wharton 3	CLIENT: U.S. Army Corps of Engineers
ADDRESS: Unknown	CONTACT: David Clark
Wharton TX 77488	INQUIRY #: 5631236.20s
LAT/LONG: 29.34346 / 96.080074	DATE: April 24, 2019 11:28 am

Map ID Direction				
Distance Elevation			Database	EDR ID Number
1 ESE 1/8 - 1/4 Mile Lower			TX WELLS	TXMON5000382440
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Databas 387910 Domestic no	se (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 445 Not F	Well Reported
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2015-02-11 Not Reported Not Reported Domestic Not Reported 2015-01-21 Other - TREMMIE NO SEWER 40 Not Reported Not Reported Not Reported Submersible 120.00 No George R Goolsby No 1765	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not F New Not F Not F 2015 TRE Not F Surfa Not F Not F Not F Not F Not F	E POPP Reported Well Reported Reported -01-22 MMIE Reported MATED ace Sleeve Installed Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7 450	
Details Reports For:	Well Drilling Method	Drill Method:	Mud	(Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Strai	ght Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 100 Not Reported	Top Depth: Annular Seal: Unit:	0 15 Not F	Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2015-01-21 Unknown	Measurement: Artesian Flow:	65 Not F	Reported
Details Reports For: Packers:	Well Packers RUBBERSHALE 420-400-100	Migrated Sort #: Depth:	1 Not F	Reported
Details Reports For: Packers:	Well Packers WASHVALVE 440	Migrated Sort #: Depth:	2 Not F	Reported

Details Reports For: Yield: Hours:	Well Test 40 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported FRESH	Migrated Strata Depth: Bottom Depth:	402-440 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 CLAY	Migrated Sort #: Bottom Depth:	0 62
Details Reports For: Top Depth: Lithology:	Well Lithology 62 SAND	Migrated Sort #: Bottom Depth:	0 78
Details Reports For: Top Depth: Lithology:	Well Lithology 78 CLAY	Migrated Sort #: Bottom Depth:	0 95
Details Reports For: Top Depth: Lithology:	Well Lithology 95 SAND	Migrated Sort #: Bottom Depth:	0 100
Details Reports For: Top Depth: Lithology:	Well Lithology 100 CLAY	Migrated Sort #: Bottom Depth:	0 130
Details Reports For: Top Depth: Lithology:	Well Lithology 130 SAND	Migrated Sort #: Bottom Depth:	0 150
Details Reports For: Top Depth: Lithology:	Well Lithology 150 CLAY	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 SAND	Migrated Sort #: Bottom Depth:	0 240
Details Reports For: Top Depth: Lithology:	Well Lithology 240 CLAY	Migrated Sort #: Bottom Depth:	0 280
Details Reports For: Top Depth: Lithology:	Well Lithology 280 SAND	Migrated Sort #: Bottom Depth:	0 310
Details Reports For: Top Depth:	Well Lithology 310	Migrated Sort #: Bottom Depth:	0 380

Lithology:	CLAY			
Details Reports For:	Well Lithology	Migrated Sort #:	0	
Top Depth:	380	Bottom Depth:	380	
Lithology:	SAND			
Deteile Deporte For	Woll Lithology	Migrotod Cort #1	0	
Details Reports For: Top Depth:	Well Lithology 380	Migrated Sort #: Bottom Depth:	0 400	
Lithology:	CLAY	Bollom Depin.	400	
Linology.				
Details Reports For:	Well Lithology	Migrated Sort #:	0	
Top Depth:	400	Bottom Depth:	440	
Lithology:	SAND			
Dotoilo Roporto For:	Wall Lithology	Migrated Sort #:	0	
Details Reports For: Top Depth:	Well Lithology 440	Bottom Depth:	450	
Lithology:	CLAY TD	Bottom Boptil.	400	
Details Reports For:	Well Casing	Migrated Sort #:	1	
Top Depth:	Not Reported	Bottom Depth:	Not Reported	
Migrated Casing Info:	4 NEW PVC SCH 40 WELLCA			
Diameter:	Not Reported	Casing Status:	Not Reported	
Casing Material:	Not Reported	Casing Type:	Not Reported	
Schedule:	Not Reported	Gauge:	Not Reported	
Details Reports For:	Well Casing	Migrated Sort #:	2	
Top Depth:	Not Reported	Bottom Depth:	Not Reported	
Migrated Casing Info:	4 NEW PVC SCH 40 WELLSC	REEN 420-430 .008	•	
Diameter:	Not Reported	Casing Status:	Not Reported	
Casing Material:	Not Reported	Casing Type:	Not Reported	
Schedule:	Not Reported	Gauge:	Not Reported	
Details Reports For:	Well Casing	Migrated Sort #:	3	
Top Depth:	Not Reported	Bottom Depth:	Not Reported	
Migrated Casing Info:	4 NEW PVC SCH 40 WELLSC	REEN 430-440 .006	•	
Diameter:	Not Reported	Casing Status:	Not Reported	
Casing Material:	Not Reported	Casing Type:	Not Reported	
Schedule:	Not Reported	Gauge:	Not Reported	
Details Reports For:	Well Casing	Migrated Sort #:	4	
Top Depth:	Not Reported	Bottom Depth:	A Not Reported	
Migrated Casing Info:	4 NEW PVC SCH 40 TAILPIPE 440-445			
Diameter:	Not Reported	Casing Status:	Not Reported	
Casing Material:	Not Reported	Casing Type:	Not Reported	
Schedule:	Not Reported	Gauge:	Not Reported	

Distance Elevation			Database	EDR ID Number
2 West 1/4 - 1/2 Mile Lower			TX WELLS	TXMON500042505
Database:	Submitted Drillers Reports Databa	se (Monitoring)		
Well Rpt #:	433404	Well Type:	New	Well
Proposed Use:	Domestic	Borehole Depth (ft):	285 Not Reported	
Injurious Water Quality:	no	Plugging Rpt #:		
A3 SSE 1/4 - 1/2 Mile			TX WELLS	TXDOL2000163778
Lower		<b>—</b>		
Database:	Well Report Database	Fid:	163777	
Rec id:	163775	Edr site i:	54171	
Owner:	AAA WATER WELL	Ownerwell:	No Data	
Address:	HCR 1 BOX 75, LOUISE , TX 77455	Grid:	66-48-2	
Waddress:	0.4 MILE S. ON CR. 135 OFF CR. 144, V			
Lat:	29 20 12 N	County:	Wharton	
Long:	096 04 40 W	Elevation:	No Data	
Gpsused:	GARMIN GPS III PLUS	Typeofwork:	New Well	
Propuse:	Domestic	Sdate:	Not Report	
Completedd:	Not Reported	Diameter:		m Surface To 200 ft
Dmethod:	Mud Rotary	Bcompletio:	Straight Wa	
Packedfrom:	Not Reported	Packsize:	Not Report	ed
Finterval:	From +1 ft to 3 ft with 2 CEMENT (#sack	,		
Sinterval:	From 3 ft to 10 ft with 5 BENTONITE (#s	,		
Tinterval:	No Data	Usedmethod:	HAND MIX	
Cementedby:	CARLTON UTESEY	Contaminat:	NONE ft	
Propertyli:	75 ft	Verrimetho:	MEASURIN	
Varriance:	No Data	Surface:	Surface Sle	eve Installed
Staticleve:	42 ft. below land surface on 11/8/2004			
Flow:	No Data	Packers:	1 SHALE T	RAP 20
Cementinwe:	No Data	Typepump:	No Data	
Pumpbowl:	Not Reported	Welltests:	Jetted	
Yield:	50 GPM with (No Data) ft drawdown afte	· · ·		
Watertype:	No Data	Stratadept:	No Data	
Chemicalma:		Undesirabl:	No	
Companynam:	C & S UTESEY WATER WELL SERVICI	-		
Companyadd:	1101 N. WELLS	Ccitystate:	EDNA, TX	
Licensenum:	4313 No. Dota	Wsignature:	CARLTON	UIESEY
Dsignature: Comments:	No Data No Data	Regnum: Site id:	No Data TXDOL200	0400770

# A4 SSE 1/4 - 1/2 Mile Lower

Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Drillers Reports Database (Monitoring) Well Type: 54171 Domestic Plugging Rpt #: no

Borehole Depth (ft):

New Well 200 Not Reported

TXMON5000053055

**TX WELLS** 

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Company Name: Driller Name:	2005-03-03 Not Reported Not Reported Domestic Not Reported 2004-11-07 Other - HAND MIX NONE 75 Not Reported Not Reported N	Comments:	AAA WATER WELL Not Reported New Well Not Reported Not Reported 2004-11-08 HAND MIX Not Reported MEASURING TAPE Yes Surface Sleeve Installed Not Reported Not Reported Not
Plugged within 48 hrs: Driller License #:	No 4313	Plugging Rpt Tracking #: Apprentice Reg #:	Not Reported Not Reported
			~
Details Reports For:	Well Bore Hole	Diameter:	7.5
Top Depth:	0	Bottom Depth:	200
Dataila Danarta Est		Drill Mothed	Mud (Iludroute) Deter
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
			g
Details Reports For:	Well Seal Range	Top Depth:	3
Bottom Depth:	10 Not Reported	Annular Seal:	5 BENTONITE
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Well Seal Range	Top Depth:	-1
Bottom Depth:	3	Annular Seal:	2 CEMENT
Amount:	Not Reported	Unit:	Not Reported
Details Reports For: Measurement Date:	Well Levels 2004-11-08	Measurement: Artesian Flow:	42 Not Reported
Measurement Method:	Unknown		Norriopolica
Details Reports For:	Well Packers	Migrated Sort #:	1
Packers:	1 SHALE TRAP 20'	Depth:	Not Reported
			<u>_</u>
Details Reports For: Packers:	Well Packers 1 SHALE TRAP 129'	Migrated Sort #: Depth:	2 Not Reported
Details Reports For:	Well Packers	Migrated Sort #:	3
Packers:	1 SHALE TRAP 157'	Depth:	Not Reported
Details Reports For:	Well Test	Test Type:	Jetted
Yield: Hours:	50 Not Reported	Drawdown:	Not Reported
noulo.			

Details Reports For: Top Depth: Lithology:	Well Lithology 0 TOPSOIL	Migrated Sort #: Bottom Depth:	0 6
Details Reports For: Top Depth: Lithology:	Well Lithology 6 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 53
Details Reports For: Top Depth: Lithology:	Well Lithology 53 BR.C. SAND & PEA GRAVEL	Migrated Sort #: Bottom Depth:	0 75
Details Reports For: Top Depth: Lithology:	Well Lithology 75 PEA GRAVEL & 1" GRAVEL	Migrated Sort #: Bottom Depth:	0 83
Details Reports For: Top Depth: Lithology:	Well Lithology 83 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 85
Details Reports For: Top Depth: Lithology:	Well Lithology 85 COURSE BROWN SAND	Migrated Sort #: Bottom Depth:	0 88
Details Reports For: Top Depth: Lithology:	Well Lithology 88 ROCK	Migrated Sort #: Bottom Depth:	0 89
Details Reports For: Top Depth: Lithology:	Well Lithology 89 FINE BROWN SAND	Migrated Sort #: Bottom Depth:	0 110
Details Reports For: Top Depth: Lithology:	Well Lithology 110 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 130
Details Reports For: Top Depth: Lithology:	Well Lithology 130 VERY FINE BROWN SAND	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 VERY FINE BROWN SAND	Migrated Sort #: Bottom Depth:	0 150
Details Reports For: Top Depth:	Well Lithology 150	Migrated Sort #: Bottom Depth:	0 160

CLAY

Details Reports For: Top Depth: Lithology:	Well Lithology 160 VERY COURSE BROWN SAND	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 MEDIUM BROWN SAND	Migrated Sort #: Bottom Depth:	0 170
Details Reports For: Top Depth: Lithology:	Well Lithology 170 COURSE BROWN SAND	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 STRIP OF GRAY CLAY	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 COURSE BROWN SAND	Migrated Sort #: Bottom Depth:	0 190
Details Reports For: Top Depth: Lithology:	Well Lithology 190 GRAY CLAY	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4" NEW SCH. 40 PVC CASING +2 - Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: 165' Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4" NEW SCH. 40 PVC SLOTTED 16 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: 5' - 185' .008 Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported

#### B5 NE 1/4 - 1/2 Mile Lower

Lithology:

Database: Rec id: Owner: Address: Waddress: County: Elevation: Well Report Database 163753 Conrad Felix 4323 CR 135, Wharton , TX 77488 No Data Wharton No Data

#### Fid: Edr site i: Ownerwell: Grid: Lat: Long: Gpsused:

#### 163758 63102 No Data 66-48-2 29 20 57 N 096 04 30 W Garmin

TXDOL2000163759

TX WELLS

Typeofwork: Sdate: Diameter: Bcompletio: Packsize: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Watertype: Chemicalma: Companynam: Ccitystate: Wsignature: Regnum: Site id:

New Well Propuse: Not Reported Completedd: 8 in From Surface To 200 ft Dmethod: Straight Wall Packedfrom: Not Reported From 0 ft to 100 ft with 20 (#sacks and material) No Data Tinterval: tremmie Cementedby: n/a ft Propertyli: Varriance: tape/owner Staticleve: Alternative Procedure Used No Data Packers: No Data Typepump: 160 ft Welltests: 80 GPM with (No Data) ft drawdown after (No Data) hours Stratadept: fresh No Undesirabl: Finch Water Well Service Companyadd: Licensenum: Sweeny , TX 77480 John F. Finch Dsignature: No Data Comments: TXDOL2000163759

Not Reported Mud Rotary Not Reported No Data driller 25 ft No Data 70 ft. below land surface on 6/22/2005 rubber 20 Submersible Jetted

TXMON5000061894

39 ft. No P.O. Box 508 2405 No Data No Data

**TX WELLS** 

Domestic

B6 NE 1/4 - 1/2 Mile Lower

Database: Well Rpt #:	Submitted Drillers Reports Database 63102	e (Monitoring) Well Type:	New Well
Proposed Use:	Domestic	Borehole Depth (ft):	485
•		• • • •	
Injurious Water Quality:	no	Plugging Rpt #:	Not Reported
Submitted Date:	2005-07-20	Owner Name:	Conrad Felix
Well #:	Not Reported	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Domestic	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2005-06-20	Drill End Date:	2005-06-22
Seal Method:	Other - tremmie	Seal Method Desc:	tremmie
Dist to Septic/Other Contam:	n/a	Distance to Septic Tank:	Not Reported
Dist to Property Line:	25	Distance Verify Meth:	tape/owner
Approved by Variance:	Not Reported	Sealed by Driller:	Yes
Sealed by Name:	Not Reported	Surface Completion:	Alternative Procedure Used
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Submersible	Pump Type Desc:	Not Reported
Pump Depth:	160.00	Chemical Analysis:	No
	Νο		Finch Water Well Service
Driller Name:	John F Finch	Comments:	Not Reported
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	
Driller License #:	2405		•
			•
Details Reports For:	Well Bore Hole	Diameter:	5
. op = op			
Details Reports For:	Well Bore Hole	Diameter:	8
Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs:	Not Reported Not Reported Submersible 160.00 No John F Finch No 2405 Well Bore Hole 200	Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #: Diameter: Bottom Depth:	Yes Alternative Procedure Used Not Reported No Finch Water Well Service Not Reported Not Reported Not Reported 5 490

Top Depth:	0	Bottom Depth:	200
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 100 Not Reported	Top Depth: Annular Seal: Unit:	0 20 Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2005-06-22 Unknown	Measurement: Artesian Flow:	70 Not Reported
Details Reports For: Packers:	Well Packers rubber 20'	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers rubber 380'	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 80 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported fresh	Migrated Strata Depth: Bottom Depth:	39 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-10-top soil	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 10-50-red clay	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 50-100 -sand	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 100-125-red clay	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 125-160-sand	Migrated Sort #: Bottom Depth:	5 Not Reported

Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 160-170-blue clay	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 170-235-sand	Migrated Sort #: Bottom Depth:	7 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 235-255-blue clay	Migrated Sort #: Bottom Depth:	8 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 255-376-sand	Migrated Sort #: Bottom Depth:	9 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 376-381-blue clay	Migrated Sort #: Bottom Depth:	10 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 381-420-sand	Migrated Sort #: Bottom Depth:	11 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 420-486-blue clay	Migrated Sort #: Bottom Depth:	12 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4 n pvc 0-200' sch.40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 2 n pvc 200'-410' sch.40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 n slotted pvc sch.40 410'-420' .006 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	3 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info:	Well Casing Not Reported 2 n pvc 420'-486' sch.40	Migrated Sort #: Bottom Depth: Diameter:	4 Not Reported Not Reported

Casing Status: Casing Type: Gauge:

Not Reported Not Reported Not Reported

Casing Material: Schedule:

Not Reported Not Reported

V 2 - 1 Mile gher		TX V	WELLS TXMON5000222463
Database:	Submitted Drillers Reports Da	atabase (Monitoring)	
Well Rpt #:	225627	Well Type:	New Well
Proposed Use:	Industrial	Borehole Depth (ft):	270
Injurious Water Quality:	no	Plugging Rpt #:	Not Reported
Submitted Date:	2010-08-05	Owner Name:	Orion Drilling
Well #:	See Comments	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Industrial	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2010-01-12	Drill End Date:	2010-01-22
Seal Method:	Slurry	Seal Method Desc:	Not Reported
Dist to Septic/Other Contam:	500+	Distance to Septic Tank:	Not Reported
Dist to Property Line:	Not Reported	Distance Verify Meth:	Visual Inspection
Approved by Variance:	Not Reported	Sealed by Driller:	Yes
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported
Pump Type:	Submersible	Pump Type Desc:	Not Reported
Pump Depth:	210.00	Chemical Analysis:	Not Reported
Injurious Water:	No	Company Name:	J & S Water Wells
Driller Name:	Tomas Salinas	Comments:	Hawes City of Wharton Ut ^E
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	54238	Apprentice Reg #:	Not Reported
Details Reports For:	Well Bore Hole	Diameter:	6.5
Top Depth:	0	Bottom Depth:	270
	0	Bollom Depin.	270
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	15	Annular Seal:	12
Amount:	Not Reported	Unit:	Not Reported
Details Reports For:	Well Levels	Measurement:	60
Measurement Date: Measurement Method:	2010-01-22 Unknown	Artesian Flow:	Not Reported
Details Reports For:	Well Packers	Migrated Sort #:	1

Details Reports For: Packers:	Well Packers 1 Shale 140'	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Packers:	Well Packers 1 Shale 200'	Migrated Sort #: Depth:	3 Not Reported
Details Reports For: Yield: Hours:	Well Test 80 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-30 clay	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 30-90 sand & gravel	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 90-140 clay	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 140-180 sand	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 180-200 clay & rock	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 200-242 sand	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 242-270 clay & rock	Migrated Sort #: Bottom Depth:	7 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported (Well completd at depth of 240)	Migrated Sort #: Bottom Depth:	8 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material:	Well Casing Not Reported 4" New PVC Casing 0'-140' 40 Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type:	1 Not Reported Not Reported Not Reported
Schedule: Details Reports For:	Not Reported Well Casing	Gauge: Migrated Sort #:	Not Reported

Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Not Reported 4" New PVC Screen 140'-180' .020 Not Reported Not Reported Not Reported

Well Casing Not Reported 4" New PVC Casing 180'-200' 40 Not Reported Not Reported Not Reported

Well Casing Not Reported 4" New PVC Screen 200'-240' .020 Not Reported Not Reported Not Reported

Bottom Depth: Casing Status: Casing Type:

Gauge:

Migrated Sort #: Bottom Depth:

Casing Status: Casing Type: Gauge:

Migrated Sort #: Bottom Depth: Casing Status: Casing Type:

Gauge:

Not Reported

Not Reported Not Reported Not Reported

3 Not Reported

Not Reported Not Reported Not Reported

4 Not Reported

Not Reported Not Reported Not Reported

### **B**8 NE 1/2 - 1 Mile Lower

Database: Rec id: Owner: Address: Waddress: County: Elevation: Typeofwork: Sdate: Diameter: Bcompletio: Packsize: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Watertype: Chemicalma: Companynam: Ccitystate: Wsignature: Regnum: Site id:

#### **TX WELLS** TXDOL2000163751

Well Report Database Fid: 163750 163743 Edr site i: 67133 Chris Felix Ownerwell: No Data CR-135, Wharton , TX 77488 66-48-2 Grid: No Data 29 21 00 N Lat: Wharton Long: 096 04 30 W No Data Gpsused: garmin Propuse: New Well Domestic Completedd: Not Reported Not Reported 8 in From Surface To 200 ft Dmethod: Mud Rotary Straight Wall Packedfrom: Not Reported Not Reported From 0 ft to 100 ft with 21 (#sacks and material) No Data No Data Tinterval: trimmie Cementedby: driller 55 ft Propertyli: 20 ft tape/owner Varriance: No Data Alternative Procedure Used Staticleve: 60 ft. below land surface on 8/17/2005 rubber 23 No Data Packers: Typepump: No Data Submersible 160 ft Welltests: Jetted 30 GPM with (No Data) ft drawdown after (No Data) hours Fresh Stratadept: 10 ft. No Undesirabl: No Finch Water Well Service p.o. box 508 Companyadd: Sweeny , TX 77480 Licensenum: 2405 John F Finch Dsignature: No Data No Data Comments: No Data TXDOL2000163751

Map ID Direction				
Distance Elevation			Database	EDR ID Number
B9 NE 1/2 - 1 Mile Lower			TX WELLS	TXMON5000065903
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports I 67133 Domestic no	Database (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 430 Not F	Well Reported
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2005-09-19 Not Reported Not Reported Domestic Not Reported 2005-08-16 Other - trimmie 55 20 Not Reported Not Reported Not Reported Submersible 160.00 No John F Finch No 2405	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not F New Not F Not F Not F 2005 trimm Not F Not F Not F Not F Not F Not F	s Felix Reported Well Reported Reported -08-17 nie Reported /owner native Procedure Used Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	8 200	
Details Reports For: Top Depth:	Well Bore Hole 200	Diameter: Bottom Depth:	5 430	
Details Reports For:	Well Drilling Method	Drill Method:	Mud	(Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Strai	ght Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 100 Not Reported	Top Depth: Annular Seal: Unit:	0 21 Not F	Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2005-08-17 Unknown	Measurement: Artesian Flow:	60 Not F	Reported
Details Reports For: Packers:	Well Packers rubber 23'	Migrated Sort #: Depth:	1 Not F	Reported

Details Reports For:	Well Packers	Migrated Sort #:	2
Packers:	rubber 390'	Depth:	Not Reported
Details Reports For: Yield: Hours:	Well Test 30 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Fresh	Migrated Strata Depth: Bottom Depth:	10 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-10-top soil	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 10-50-red clay	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 50-105-sand	Migrated Sort #: Bottom Depth:	3 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 105-130-clay	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 130-165-sand	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 165-230-sand	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 230-250-red clay	Migrated Sort #: Bottom Depth:	7 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 250-360-sand	Migrated Sort #: Bottom Depth:	8 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 360-390-red clay	Migrated Sort #: Bottom Depth:	9 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 390-400-sand	Migrated Sort #: Bottom Depth:	10 Not Reported

Details Reports For: Top Depth: Lithology:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

10

West 1/2 - 1 Mile Higher

Database:

Rec id:

Owner:

Address:

County:

Sdate:

Elevation:

Diameter:

Packsize:

Finterval: Sinterval:

Tinterval:

Propertyli:

Varriance:

Staticleve:

Well Lithology Not Reported 400-430-red clay

Well Casing Not Reported 4 n pvc 0-200 sch 40 Not Reported Not Reported Not Reported

Well Casing Not Reported 2 n pvc 200-390 sch 40 Not Reported Not Reported Not Reported

Well Casing Not Reported 2 n pvc slotted 390-400 .006 Not Reported Not Reported Not Reported

Well Casing Not Reported 2 n pvc 400-430 sch 40 Not Reported Not Reported Not Reported

Casing Material: Schedule: Migrated Sort #: Bottom Depth: Diameter:

Migrated Sort #:

Migrated Sort #:

Bottom Depth:

Diameter:

Bottom Depth:

Casing Material: Schedule:

Migrated Sort #: Bottom Depth:

Casing Status: Casing Type: Gauge:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

11 Not Reported

1 Not Reported Not Reported Not Reported Not Reported

2 Not Reported Not Reported Not Reported Not Reported

3 Not Reported

Not Reported Not Reported Not Reported

4 Not Reported Not Reported Not Reported Not Reported

#### **TX WELLS** TXDOL2000093144

Well Report Database Fid: 93143 93142 Edr site i: 170218 Munsch, Larry Ownerwell: No Data PO Box 316, Sweet Home, TX 77987 66-48-1 Grid: LCR 392, Sweet Home , TX 77987 29 20 36 N Waddress: Lat: 096 05 28 W Lavaca Long: No Data Gpsused: Not Given Typeofwork: New Well Propuse: Domestic Not Reported Completedd: Not Reported 9 7/8 in From Surface To 82 ft Dmethod: Mud Rotary Bcompletio: Packedfrom: 50 ft to 82 ft Not Reported 6 x 12 From +1 ft to 12 ft with 8 Cement (#sacks and material) From 40 ft to 50 ft with 5 Hole Plug (#sacks and material) Slurry No Data Usedmethod: Cementedby: CDI Contaminat: 120+ ft 52 ft Verrimetho: Measure Surface Sleeve Installed No Data Surface: 32 ft. below land surface on 1/29/2009

TC5631236.20s Page A-25

Flow:
Cementinwe:
Pumpbowl:
Yield:
Watertype:
Chemicalma:
Companynam:
Ccitystate:
Wsignature:
Regnum:
Site id:

11 WNW 1/2 - 1 Mile Higher

Database:
Well Rpt #:
Proposed Use:
Injurious Water Quality:

No Data No Data 70 ft 18 GPM with 80 ft drawdown after (No Data) hours Fresh No Chandler Drilling Inc. Yoakum, TX 77995 R. Michael Chandler No Data TXDOL2000093144

### Packers: Typepump: Welltests: Stratadept: Undesirabl: Companyadd: Licensenum: Dsignature: Comments:

No Data Submersible Jetted 50-74 ft. No 966 FM 318 E 2102 No Data ^EO

#### TX WELLS TXMON5000367906

Database:	Submitted Drillers Reports Database (Monitoring)			
Well Rpt #:	372995	Well Type:	New Well	
Proposed Use:	Domestic	Borehole Depth (ft):	305	
Injurious Water Quality:	no	Plugging Rpt #:	Not Reported	
Submitted Date:	2014-08-27	Owner Name:	CASEY TYLER	
Well #:	Not Reported	# Wells Drilled:	Not Reported	
Elevation:	Not Reported	Type of Work:	New Well	
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported	
Proposed Use:	Domestic	Proposed Use Desc:	Not Reported	
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported	
Drill Start Date:	2014-08-20	Drill End Date:	2014-08-21	
Seal Method:	Other - Trimmie/Poured	Seal Method Desc:	Trimmie/Poured	
Dist to Septic/Other Contam:	None	Distance to Septic Tank:	Not Reported	
Dist to Property Line:	10+	Distance Verify Meth:	Not Reported	
Approved by Variance:	Not Reported	Sealed by Driller:	Yes	
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed	
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported	
Pump Type:	Submersible	Pump Type Desc:	Not Reported	
Pump Depth:	Not Reported	Chemical Analysis:	No	
Injurious Water:	No	Company Name:	RONNIE GOOLSBY WATER WELL	
Driller Name:	George R Goolsby	Comments:	REGISTERED 08/07/2014	
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported	
Driller License #:	1765	Apprentice Reg #:	Not Reported	
Details Reports For:	Well Bore Hole	Diameter:	7	
Top Depth:	0	Bottom Depth:	310	

Details Reports For: Well Drilling Method Drill Method: Details Reports For: Well Completion Well Seal Range Details Reports For: Bottom Depth: 100 Amount: Not Reported Unit:

Details Reports For:

Well Levels

Borehole Completion:

Top Depth: Annular Seal:

Measurement:

0 8RM2HP Not Reported

Mud (Hydraulic) Rotary

Straight Wall

62

Measurement Date: Measurement Method:	2014-08-21 Unknown	Artesian Flow:	Not Reported
Details Reports For: Packers:	Well Packers RUBBER SHALE 285 265 100	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers WASH VALVE 303	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 80 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Good	Migrated Strata Depth: Bottom Depth:	260 - 295 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 CLAY	Migrated Sort #: Bottom Depth:	0 62
Details Reports For: Top Depth: Lithology:	Well Lithology 62 SAND	Migrated Sort #: Bottom Depth:	0 110
Details Reports For: Top Depth: Lithology:	Well Lithology 110 CLAY	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 SAND	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 CLAY	Migrated Sort #: Bottom Depth:	0 210
Details Reports For: Top Depth: Lithology:	Well Lithology 210 SAND	Migrated Sort #: Bottom Depth:	0 220
Details Reports For: Top Depth: Lithology:	Well Lithology 220 CLAY	Migrated Sort #: Bottom Depth:	0 260
Details Reports For: Top Depth: Lithology:	Well Lithology 260 SAND	Migrated Sort #: Bottom Depth:	0 300

Details Reports For:	Well Lithology	Migrated Sort #:	0
Top Depth:	300	Bottom Depth:	310
Lithology:	CLAY TD	·	
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4 N PVC +2 285	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type:	Not Reported	Schedule:	Not Reported
Gauge:	Not Reported		
Dataila Baparta For	Well Cooing	Migrated Sort #	2
Details Reports For:	Well Casing	Migrated Sort #:	
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4 N PVC SCREEN 285 - 295 SLC		
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Dataila Baparta For	Well Cooing	Migrated Sort #	3
Details Reports For:	Well Casing	Migrated Sort #:	
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4 N PVC TAIL 295 - 305	Diameter:	Not Reported
Casing Status:	Not Reported	Casing Material:	Not Reported
Casing Type:	Not Reported	Schedule:	Not Reported
Gauge:	Not Reported		
Gauge: 12 NE /2 - 1 Mile		TX V	VELLS TXMON50001751
12 NE		TX V	VELLS TXMON50001751
12 NE /2 - 1 Mile ower Database:	Submitted Drillers Reports Databa	ase (Monitoring)	
12 NE /2 - 1 Mile ower Database: Well Rpt #:	Submitted Drillers Reports Databa 177910	ase (Monitoring) Well Type:	New Well
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use:	Submitted Drillers Reports Databa 177910 Domestic	ase (Monitoring) Well Type: Borehole Depth (ft):	New Well 207
12 NE /2 - 1 Mile ower Database: Well Rpt #:	Submitted Drillers Reports Databa 177910	ase (Monitoring) Well Type:	New Well
12 NE /2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Databa 177910 Domestic no	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New Well 207 Not Reported
12 NE /2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name:	New Well 207 Not Reported Christine Bolf
12 NE 12 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled:	New Well 207 Not Reported Christine Bolf Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work:	New Well 207 Not Reported Christine Bolf Not Reported New Well
12 NE (2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported
12 NE (2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported 2006-05-15
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller:	New Well 207 Not Reported Christine Bolf Not Reported New Well Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller:	New Well 207 Not Reported Christine Bolf Not Reported Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes Alternative Procedure Use Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported Not Reported	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc:	New Well 207 Not Reported Christine Bolf Not Reported Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes Alternative Procedure Use
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Submersible 120.00	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis:	New Well 207 Not Reported Christine Bolf Not Reported Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes Alternative Procedure Use Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported Not Re	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name:	New Well 207 Not Reported Christine Bolf Not Reported Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes Alternative Procedure Use Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Submersible 120.00 No Guy Steven Mahler	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments:	New Well 207 Not Reported Christine Bolf Not Reported Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes Alternative Procedure Use Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Smew
12 NE 2 - 1 Mile ower Database: Well Rpt #: Proposed Use: Injurious Water Quality: Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water:	Submitted Drillers Reports Databa 177910 Domestic no 2009-05-12 Well Log 94652 Not Reported Not Reported Domestic Not Reported 2006-05-12 Other - Pressure Cemented 100 Not Reported Not Re	ase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #: Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name:	New Well 207 Not Reported Christine Bolf Not Reported Not Reported Not Reported Not Reported 2006-05-15 Pressure Cemented Not Reported Builder Info Yes Alternative Procedure Use Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported

Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7 190
Details Reports For: Top Depth:	Well Bore Hole 190	Diameter: Bottom Depth:	3.875 210
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Other - Two Line
Details Reports For: Bottom Depth: Amount:	Well Seal Range 190 Not Reported	Top Depth: Annular Seal: Unit:	0 38 Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2006-05-15 Unknown	Measurement: Artesian Flow:	41 Not Reported
Details Reports For: Packers:	Well Packers K-Packer 187	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers K-Packer 188	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 75 3	Test Type: Drawdown:	Jetted 1
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Good	Migrated Strata Depth: Bottom Depth:	207 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Top Soil	Migrated Sort #: Bottom Depth:	0 2
Details Reports For: Top Depth: Lithology:	Well Lithology 2 Red Clay	Migrated Sort #: Bottom Depth:	0 25
Details Reports For: Top Depth: Lithology:	Well Lithology 25 Brown Shale	Migrated Sort #: Bottom Depth:	0 50
Details Reports For: Top Depth: Lithology:	Well Lithology 50 Fine Sand	Migrated Sort #: Bottom Depth:	0 60

Details Reports For: Top Depth: Lithology:	Well Lithology 60 Coarse Sand and Small Gravel	Migrated Sort #: Bottom Depth:	0 75
Details Reports For: Top Depth: Lithology:	Well Lithology 75 Sandstone and Coarse Sand	Migrated Sort #: Bottom Depth:	0 85
Details Reports For: Top Depth: Lithology:	Well Lithology 85 Red Clay	Migrated Sort #: Bottom Depth:	0 96
Details Reports For: Top Depth: Lithology:	Well Lithology 96 Coarse Sand and Sandstone	Migrated Sort #: Bottom Depth:	0 110
Details Reports For: Top Depth: Lithology:	Well Lithology 110 Brown Shale	Migrated Sort #: Bottom Depth:	0 130
Details Reports For: Top Depth: Lithology:	Well Lithology 130 Fine Sand	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 Coarse Sand	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 Brown Shale	Migrated Sort #: Bottom Depth:	0 150
Details Reports For: Top Depth: Lithology:	Well Lithology 150 Coarse Sand	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 Brown Shale	Migrated Sort #: Bottom Depth:	0 170
Details Reports For: Top Depth: Lithology:	Well Lithology 170 Coarse Sand and Wood Chips	Migrated Sort #: Bottom Depth:	0 190
Details Reports For: Top Depth: Lithology:	Well Lithology 190 Brown Shale	Migrated Sort #: Bottom Depth:	0 190
Details Reports For: Top Depth:	Well Lithology 190	Migrated Sort #: Bottom Depth:	0 210

### Lithology:

C13

NNE 1/2 - 1 Mile

Packsize:

Finterval:

Sinterval:

Usedmethod:

Contaminat:

Verrimetho:

Cementinwe:

Pumpbowl:

Watertype:

Ccitystate:

Regnum:

Site id:

Wsignature:

Chemicalma:

Companynam:

Surface:

Flow:

Yield:

Coarse Sand End of Hole

Details Reports For: Top Depth: Migrated Casing Info:	Well Casing Not Reported 4 New Plastic Belled End 0 - 194 Sc.4	Migrated Sort #: Bottom Depth: 10	1 Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
		Cuugo.	nornoponou
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	2.5 New Plastic 187 - 197 Sc.40		
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
		-	
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	2.5 New W.O.P. Sc.80 197 - 207 0.00	08	
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported

### TX WELLS TXDOL2000163239

Lower Well Report Database Database: Rec id: 163239 Owner: **Christine Bolf** Address: Waddress: County: Wharton Elevation: No Data Typeofwork: New Well Sdate: Not Reported Diameter: Bcompletio:

Edr site i: Ownerwell: 124 Jenmar, Wharton , TX Grid: 124 Jenmar, Wharton , TX Lat: Long: Gpsused: Propuse: Completedd: 7 in From Surface To 194 ft Dmethod: Packedfrom: Not Reported Not Reported From 0 ft to 194 ft with 38 (#sacks and material) No Data Tinterval: Cementedby: **Pressure Cemented** 100 ft Propertyli: **Builder Info** Varriance: Alternative Procedure Used Staticleve: No Data Packers: No Data Typepump: 120 ft Welltests: 75 GPM with 1 ft drawdown after 3 hours Good Stratadept: Undesirabl: No Mahler Water Well Service Companyadd: Orchard, TX 77464 Licensenum: Steve Mahler Dsignature: No Data Comments: TXDOL2000163239

Fid:

163238 177910 Well Log 94652 66-48-2 29 21 14 N 096 04 31 W No Data Domestic Not Reported Mud Rotary

Not Reported

No Data Mahler Water Well Service No Data No Data 41 ft. below land surface on 5/15/2006 K-Packer 187 Submersible Jetted

207 ft. No P.O. Box 82 1550 Ed Hatton \$mew

Map ID Direction				
Distance Elevation			Database	EDR ID Number
D14 North 1/2 - 1 Mile Lower			TX WELLS	TXMON5000173674
Database: Well Rpt #: Proposed Use: Injurious Water Quality:	Submitted Drillers Reports Da 176391 Domestic no	tabase (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:	New 248 Not F	Well Reported
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2009-04-28 Not Reported Not Reported Domestic Not Reported 2009-04-23 Positive Displacement 50+ 50 Not Reported Not Reported Not Reported Submersible 120.00 No Ricky L Bonds No 54880	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track # Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not F New Not F Not F Not F 2009 Not F Not F Stepp Yes Surfa Not F Not F Not F Not F	a Steele Reported Well Reported Reported P-04-24 Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported Reported
Details Reports For: Top Depth: Details Reports For:	Well Bore Hole 0 Well Drilling Method	Diameter: Bottom Depth: Drill Method:	7.75 250	(Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Othe	r - alternative
Details Reports For: Bottom Depth: Amount:	Well Seal Range 220 Not Reported	Top Depth: Annular Seal: Unit:	0 22 Not F	Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2009-04-24 Unknown	Measurement: Artesian Flow:	39 Not F	Reported
Details Reports For: Packers:	Well Packers k-packers 218'	Migrated Sort #: Depth:	1 Not F	Reported
Details Reports For: Yield: Hours:	Well Test 55 - 60 Not Reported	Test Type: Drawdown:	Jette Not F	d Reported

Details Reports For: Top Depth: Water Type:	Well Strata Not Reported soft	Migrated Strata Depth: Bottom Depth:	178 - 248 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 clay	Migrated Sort #: Bottom Depth:	0 28
Details Reports For: Top Depth: Lithology:	Well Lithology 28 clay	Migrated Sort #: Bottom Depth:	0 43
Details Reports For: Top Depth: Lithology:	Well Lithology 43 clay, sand, gravel	Migrated Sort #: Bottom Depth:	0 63
Details Reports For: Top Depth: Lithology:	Well Lithology 63 sand, gravel	Migrated Sort #: Bottom Depth:	0 83
Details Reports For: Top Depth: Lithology:	Well Lithology 83 sand, gravel	Migrated Sort #: Bottom Depth:	0 100
Details Reports For: Top Depth: Lithology:	Well Lithology 100 sand, gravel	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 sand, gravel	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 clay, sand	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 sand, rock, sand	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 sand	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Lithology:	Well Lithology 200 sand	Migrated Sort #: Bottom Depth:	0 220
Details Reports For: Top Depth:	Well Lithology 220	Migrated Sort #: Bottom Depth:	0 240

sand

Surface Sleeve Installed

No Data

No Data

120 ft

soft

No

Lithology:

Surface:

Cementinwe:

Pumpbowl:

Watertype:

Chemicalma:

Flow:

Yield:

Details Reports For:	Well Lithology	Migrated Sort #:	0	
Top Depth:	240	Bottom Depth:	250	
Lithology:	sand	Bottom Bopin.	200	
Details Reports For:	Well Casing	Migrated Sort #:	1	
Top Depth:	Not Reported	Bottom Depth:	Not Repo	orted
Migrated Casing Info:	4" new plastic casing 0 - 220' sch	•	·	
Diameter:	Not Reported	Casing Status:	Not Repo	orted
Casing Material:	Not Reported	Casing Type:	Not Repo	orted
Schedule:	Not Reported	Gauge:	Not Repo	orted
Details Reports For:	Well Casing	Migrated Sort #:	2	
Top Depth:	Not Reported	Bottom Depth:	Not Repo	orted
Migrated Casing Info:	2.5" new plastic liner 218 - 228' scl		Νοι πορι	hicu
Diameter:	Not Reported	Casing Status:	Not Repo	orted
Casing Material:	Not Reported	Casing Type:	Not Repo	
Schedule:	Not Reported	Gauge:	Not Repo	
Details Reports For:	Well Casing	Migrated Sort #:	3	
Top Depth:	Not Reported	Bottom Depth:	Not Repo	orted
Migrated Casing Info:	2.5" new plastic slotted 228 -248'.			
Diameter:	Not Reported	Casing Status:	Not Repo	
Casing Material:	Not Reported Not Reported	Casing Type: Gauge:	Not Repo	
Schedule:	Not Reported	Gauge.	Not Repo	Jilea
D15 North 1/2 - 1 Mile			TX WELLS T	 XDOL2000163253
Lower				
Database:	Well Report Database	Fid:	163252	
Rec id:	163249	Edr site i:	176391	
Owner:	Elissa Steele	Ownerwell:	No Data	
Address:	127 Jenmar Dr., Wharton, TX 77488	Grid:	66-48-2	
Waddress:	127 Jenmar Dr., Wharton, TX 77488	Lat:	29 21 19 N	
County:	Wharton	Long:	096 04 45 \	N
Elevation:	No Data	Gpsused:	Motorola	
Typeofwork:	New Well	Propuse:	Domestic	
Sdate:	Not Reported	Completedd:	Not Reported	
Diameter:	7 3/4 in From Surface To 248 ft	Dmethod:	Mud Rotary	
Bcompletio:	Not Reported	Packedfrom:	Not Reported	
Packsize:	Not Reported			
Finterval:	From 0 ft to 220 ft with 22 (#sacks and m	,		
Sinterval:	No Data	Tinterval:	No Data	
Usedmethod:	Haliburton	Cementedby:	Ricky Bonds	
Contaminat:	50+ ft	Propertyli:	50 ft	
Verrimetho:	stepped off	Varriance:	No Data	d

Staticleve:

Typepump:

Stratadept:

Undesirabl:

Welltests:

55 - 60 GPM with (No Data) ft drawdown after (No Data) hours

Packers:

k-packers 218

Jetted\ Estimated

Submersible

178 - 248 ft.

No

39 ft. below land surface on 4/24/2009

Companynam: Ccitystate: Wsignature: Regnum: Site id:	Ricky Bonds Water Wells Hockley , TX 77447 Ricky Bonds No Data TXDOL2000163253	Companyadd: Licensenum: Dsignature: Comments:	23421 Harg 54880 No Data No Data	rave Rd.
E16 WNW 1/2 - 1 Mile Higher			TX WELLS	TXEQ60000023387
Database: PWS ID: Locating Agency:	Public Water Supply Sources Databases 2410070 SFASU	Water Source: Elevation:	G2410070A 0	
E17 WNW 1/2 - 1 Mile Higher			TX WELLS	TXMON5000184450
Database:	Submitted Drillers Reports Database	e (Monitoring)		
Well Rpt #:	187242	Well Type:	New \	Vell
Proposed Use:	Domestic	Borehole Depth (ft):	275	
Injurious Water Quality:	no	Plugging Rpt #:	Not R	eported
Submitted Date:	2009-07-22	Owner Name:		Pee Hotel
Well #:	Not Reported	# Wells Drilled:	Not R	eported
Elevation:	Not Reported	Type of Work:	New \	
Work Type Desc:	Not Reported	Original Well Rpt Track #	t: Not R	eported
Proposed Use:	Domestic	Proposed Use Desc:	Not R	eported
TCEQ Approved Plans:	Not Reported	PWS #:	Not R	eported
Drill Start Date:	2006-05-05	Drill End Date:	2006-	07-20
Seal Method:	Other - Halliburton (Fully Pressure C	cemented)		
Seal Method Desc:	Halliburton (Fully Pressure Cemente	ed)		
Dist to Septic/Other Contam	n: na	Distance to Septic Tank:	Not R	eported
Dist to Property Line:	Not Reported	Distance Verify Meth:	septic	not installed
Approved by Variance:	Not Reported	Sealed by Driller:	Yes	
Sealed by Name:	Not Reported	Surface Completion:		s Adapter Used
Surf Complete Desc:	Not Reported	Completed by Driller:		eported
Pump Type:	Submersible	Pump Type Desc:		eported
Pump Depth:	189.00	Chemical Analysis:	No	
Injurious Water:	No	Company Name:		hysical Drilling, Inc.
Driller Name:	Gregory D Hill	Comments:	\$mew	
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:		eported
Driller License #:	2888	Apprentice Reg #:	Not R	eported
Details Reports For:	Well Bore Hole	Diameter:	4.75	
Top Depth:	250	Bottom Depth:	280	
Details Reports For:	Well Bore Hole	Diameter:	9.75	
Top Depth:	0	Bottom Depth:	250	
Details Reports For:	Well Drilling Method	Drill Method:	Mud (	Hydraulic) Rotary

Details Reports For:	Well Completion	Borehole Completion:	Other - Two String
Details Reports For: Bottom Depth: Amount:	Well Seal Range 280 Not Reported	Top Depth: Annular Seal: Unit:	0 50 Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 20 Not Reported	Top Depth: Annular Seal: Unit:	0 6 Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2006-07-19 Unknown	Measurement: Artesian Flow:	70 Not Reported
Details Reports For: Packers:	Well Packers Formation Packer 20'	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers BP Seal 247'	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 150 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Topsoil, Sand, Gravel	Migrated Sort #: Bottom Depth:	0 20
Details Reports For: Top Depth: Lithology:	Well Lithology 20 Sand	Migrated Sort #: Bottom Depth:	0 60
Details Reports For: Top Depth: Lithology:	Well Lithology 60 Sand, Gravel	Migrated Sort #: Bottom Depth:	0 100
Details Reports For: Top Depth: Lithology:	Well Lithology 100 Sand, Clay	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 Sand, Clay, Rock, Sand	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 Sand, Rock	Migrated Sort #: Bottom Depth:	0 220
Details Reports For:	Well Lithology	Migrated Sort #:	0

Top Depth: Lithology:	220 Sand, Rock, Sand to 275	Bottom Depth:	280
Details Reports For:	Well Casing	Migrated Sort #:	1
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info: Diameter:	6 New PVC Well Casing +2 Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4.5 New PVC Blank Pipe 2		not reponde
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4 New SS Rod Base Scree	en 254 - 274 8 ga	·
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	4
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	4.5 New Saw Tooth Nipple	274 - 275 Sch40	
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
8 NW 2 - 1 Mile			TX WELLS TXDOL2000163

Rec id: Owner: Address: Waddress: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Flow:

Database:

#### 163043 Well Report Database Fid: 163168 Edr site i: 187242 Tee-Pee Hotel Ownerwell: No Data P.O. Box 358, Columbus , TX 78934 Grid: 66-48-1 4098 E. Business 59, Wharton , TX 77488 Wharton 29 20 58 N County: 096 05 32 W Elevation: No Data Map - address Typeofwork: Domestic Sdate: Not Reported Diameter: Mud Rotary Bcompletio: Not Reported Packsize: From 280 ft to 0 ft with 50 (#sacks and material) From 0 ft to 20 ft with 6 (#sacks and material) Usedmethod: No Data Geophysical Drilling, Inc. Contaminat: na ft No Data Verrimetho: No Data Surface: 70 ft. below land surface on 7/19/2006 No Data Packers:

New Well Not Reported 9 3/4 in From Surface To 250 ft Not Reported Not Reported

Halliburton (Fully Pressure Cemented) septic not installed **Pitless Adapter Used** 

Formation Packer 20

Cementinwe:
Pumpbowl:
Yield:
Watertype:
Chemicalma:
Companynam:
Ccitystate:
Wsignature:
Regnum:
Site id:

E19 NW

F20

1/2 - 1 Mile Higher

Database:

Well Depth:

Well Type:

Primary Water Use:

Water Quality Review:

189 ft 150 GPM with (No Data) ft drawdown after (No Data) hours No Data No Geophysical Drilling, Inc. Fulshear, TX 77441 Greg D. Hill No Data TXDOL2000163044

Groundwater Database

Withdrawal of Water

Public Supply

300

Υ

No Data

### Typepump: Welltests: Stratadept: Undesirabl: Companyadd: Licensenum: Dsignature: Comments:

Submersible Jetted No Data No P.O. Box 664 2888 No Data \$mew

#### **TX WELLS** TXWDB7000112434

Well #: Elevation: Observation Type: Aquifer:

6648102 99 None 112CHCT - Chicot Aquifer

TX WELLS TXMON5000342467 SE 1/2 - 1 Mile Lower Database: Submitted Drillers Reports Database (Monitoring) 347156 New Well Well Rpt #: Well Type: Proposed Use: Borehole Depth (ft): **Rig Supply** 220 Injurious Water Quality: no Plugging Rpt #: Not Reported Submitted Date: 2013-11-20 Owner Name: Special Energy Well #: Not Reported # Wells Drilled: Not Reported New Well Elevation: Not Reported Type of Work: Work Type Desc: Not Reported Original Well Rpt Track #: Not Reported **Rig Supply** Proposed Use: Proposed Use Desc: Not Reported TCEQ Approved Plans: PWS #: Not Reported Not Reported 2013-09-30 Drill Start Date: 2013-09-29 Drill End Date: Seal Method: Other - mixed and poured Seal Method Desc: mixed and poured Dist to Septic/Other Contam: 100 +Distance to Septic Tank: Not Reported Dist to Property Line: 50+ Distance Verify Meth: tape measure Approved by Variance: Sealed by Driller: Yes no Sealed by Name: Not Reported Surface Completion: Surface Sleeve Installed Surf Complete Desc: Not Reported Completed by Driller: Not Reported Pump Type: Other - none Pump Type Desc: none Pump Depth: .00 **Chemical Analysis:** No Injurious Water: No Company Name: **Evans Drilling** John A Evans Jr Driller Name: Comments: good well Plugged within 48 hrs: Plugging Rpt Tracking #: Not Reported No Driller License #: 54486 Apprentice Reg #: 58313 Details Reports For: Well Bore Hole Diameter: 7.875 Top Depth: 0 Bottom Depth: 12

Details Reports For: Top Depth:	Well Bore Hole 12	Diameter: Bottom Depth:	6.75 220
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Other - screened
Details Reports For: Bottom Depth: Amount:	Well Seal Range 12 Not Reported	Top Depth: Annular Seal: Unit:	0 10 cement Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2013-09-30 Unknown	Measurement: Artesian Flow:	38 Not Reported
Details Reports For: Packers:	Well Packers rubber 12 ft.	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers rubber 160 ft.	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 60 2	Test Type: Drawdown:	Jetted 25
Details Reports For: Bottom Depth: Plugback:	Well Plugback Not Reported 0	Top Depth: Migrated Sort #:	Not Reported 1
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported good	Migrated Strata Depth: Bottom Depth:	157 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 brown topsoil	Migrated Sort #: Bottom Depth:	0 3
Details Reports For: Top Depth: Lithology:	Well Lithology 3 tan clay	Migrated Sort #: Bottom Depth:	0 44
Details Reports For: Top Depth: Lithology:	Well Lithology 44 It gray clay with sand	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 sand	Migrated Sort #: Bottom Depth:	0 220

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:

### 21 NNE 1/2 - 1 Mile Lower

Database: Rec id: Owner: Address: Grid: Lat: Long: Gpsused: Propuse: Completedd: Dmethod: Packedfrom: Finterval: Sinterval: Usedmethod: Contaminat: Verrimetho: Surface: Flow: Cementinwe: Pumpbowl: Yield: Watertype: Chemicalma: Companynam: Ccitystate: Wsignature: Regnum: Site id:

Well Casing Not Reported 4 new plastic/pvc 0-160 Not Reported Not Reported Not Reported

Well Casing Not Reported 4 new screen 160-220 .032 Not Reported Not Reported Not Reported

22787 Nichols Sawmill Rd., Hockley, TX 77447

From 0 ft to 200 ft with 23 (#sacks and material)

100 GPM with (No Data) ft drawdown after (No Data) hours

Well Report Database

**Cannon Construction** 

110381

66-48-2

Motorola

Domestic

No Data

50+ ft

Haliburton

stepped off

No Data

No Data

160 ft

soft

No

Surface Sleeve Installed

**Ricky Bonds Water Wells** 

Hockley, TX 77447

TXDOL2000110356

**Ricky Bonds** 

No Data

29 21 19 N

Not Reported

Not Reported

Mud Rotary

096 04 29 W

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:

Fid:

Edr site i:

Ownerwell:

Waddress:

Elevation:

Diameter:

Packsize:

Tinterval:

Propertyli:

Varriance:

Staticleve:

Typepump:

Welltests:

Stratadept:

Undesirabl:

Companyadd:

Licensenum:

Dsignature:

Comments:

Packers:

Cementedby:

Bcompletio:

Typeofwork:

County:

Sdate:

Not Reported Not Reported Not Reported Not Reported

2 Not Reported Not Reported Not Reported Not Reported

TX WELLS TXDOL2000110356

110355 177985 No Data

24709 Sylvan Place, Hockley, TX 77447 Montgomery No Data New Well Not Reported 7 3/4 in From Surface To 225 ft Not Reported Not Reported

No Data **Ricky Bonds** 30 ft No Data 69 ft. below land surface on 5/6/2009 k-packers 195 Submersible Jetted\ Estimated

TXMON5000296583

200 - 225 ft. No 23421 Hargrave Rd. 54880 No Data No Data

22 SSW 1/2 - 1 Mile Higher

> Database: Well Rpt #: Proposed Use:

### Submitted Drillers Reports Database (Monitoring) 300733 Well Type: Domestic

Borehole Depth (ft):

New Well 260

**TX WELLS** 

Injurious Water Quality:	no	Plugging Rpt #:	Not Reported
Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2012-10-04 Not Reported Not Reported Domestic Not Reported 2009-02-05 Other - TREMMIE NO SEWER 50 PLUS Not Reported Not Reported Not Reported Submersible 120.00 No George R Goolsby No 1765	Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	GUERRERO, MARK Not Reported New Well Not Reported Not Reported 2009-02-05 TREMMIE Not Reported ESTIMATED Yes Surface Sleeve Installed Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported S7130
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7 260
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 100 Not Reported	Top Depth: Annular Seal: Unit:	0 18 Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2009-02-05 Unknown	Measurement: Artesian Flow:	40 Not Reported
Details Reports For: Packers:	Well Packers RUBBER SHALE 230-210-100	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers WASH VALVE 240	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Yield: Hours:	Well Test 60 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported FRESH	Migrated Strata Depth: Bottom Depth:	155-245 Not Reported

Details Reports For: Top Depth: Lithology:	Well Lithology 0 SURFACE SOIL	Migrated Sort #: Bottom Depth:	0 57
Details Reports For: Top Depth: Lithology:	Well Lithology 57 GRAVEL	Migrated Sort #: Bottom Depth:	0 86
Details Reports For: Top Depth: Lithology:	Well Lithology 86 CLAY	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 SAND	Migrated Sort #: Bottom Depth:	0 250
Details Reports For: Top Depth: Lithology:	Well Lithology 250 CLAY TD	Migrated Sort #: Bottom Depth:	0 260
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 NEW PVC SCH 40 WELL CA Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: SING +2 - 230 Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 NEW PVC SCH 40 WELL SC Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: REEN 230 - 240 .008 Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 NEW PVC SCH 40 TAIL PIPE Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: 240 - 260 TD Casing Status: Casing Type: Gauge:	3 Not Reported Not Reported Not Reported Not Reported

F23 SE		
1/2 -	1	Mile
Low	er	

Database:

Well Rpt #:

Proposed Use:

### TX WELLS

TXMON5000397332

Submitted Drillers Reports Database (Monitoring) 403403 Well Type: Domestic Borehole Depth (ft): Injurious Water Quality: no Plugging Rpt #:

New Well 304 Not Reported

Submitted Date:

2015-08-30

Owner Name:

Eric Tiech

Well #:	Not Reported	# Wells Drilled:	Not Reported
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Domestic	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2015-08-27	Drill End Date:	2015-08-28
Seal Method:	Other - Positive Displacement	Dim End Date.	2013 00 20
Seal Method Desc:	Positive Displacement	Dist to Septic/Other Contam:	100
	•		
Distance to Septic Tank:	Not Reported	Dist to Property Line:	50 Not Demonstration
Distance Verify Meth:	Driller	Approved by Variance:	Not Reported
Sealed by Driller:	Yes	Sealed by Name:	Not Reported
Surface Completion:	Surface Sleeve Installed	Surf Complete Desc:	Not Reported
Completed by Driller:	Not Reported	Pump Type:	Submersible
Pump Type Desc:	Not Reported	Pump Depth:	140.00
Chemical Analysis:	No	Injurious Water:	No
Company Name:	1st Choice Water Wells	Driller Name:	Travis J Otto
Comments:	Not Reported	Plugged within 48 hrs:	No
Plugging Rpt Tracking #:	Not Reported	Driller License #:	58473
Apprentice Reg #:	59124		
Approntice Reg #:	00124		
Details Reports For:	Well Bore Hole	Diameter:	7.25
Top Depth:	0	Bottom Depth:	290
			o
Details Reports For:	Well Bore Hole	Diameter:	3.5
Top Depth:	290	Bottom Depth:	300
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
		Bhill Method.	
Details Reports For:	Well Completion	Borehole Completion:	Under-reamed
		p	
Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	10	Annular Seal:	7 Concrete
Amount:	Not Reported	Unit:	Not Reported
		<b>T D</b> 4	400
Details Reports For:	Well Seal Range	Top Depth:	160
Bottom Depth:	290	Annular Seal:	10 Cement
Amount:	Not Reported	Unit:	Not Reported
Dataila Daparta Fari		Magauramanti	46
Details Reports For:	Well Levels	Measurement:	
Measurement Date:	2015-08-28	Artesian Flow:	Not Reported
Measurement Method:	Unknown		
Details Reports For:	Well Packers	Migrated Sort #:	1
Packers:	K-packer set @ 280'	Depth:	Not Reported
		Dopan	Norrioponou
Details Reports For:	Well Packers	Migrated Sort #:	1
Packers:	K-packer set @ 280'	Depth:	Not Reported
Detaile Demonte Fem			
Details Reports For:	Well Test	Test Type:	Jetted
Details Reports For: Yield:	Well Test 50	Test Type: Drawdown:	
Yield:	50		Jetted Not Reported
•			

Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Good	Migrated Strata Depth: Bottom Depth:	270'-304' Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Topsoil/ clay	Migrated Sort #: Bottom Depth:	0 20
Details Reports For: Top Depth: Lithology:	Well Lithology 20 clay	Migrated Sort #: Bottom Depth:	0 40
Details Reports For: Top Depth: Lithology:	Well Lithology 40 clay w/ sand stringers	Migrated Sort #: Bottom Depth:	0 60
Details Reports For: Top Depth: Lithology:	Well Lithology 60 sand w/ clay stringers	Migrated Sort #: Bottom Depth:	0 80
Details Reports For: Top Depth: Lithology:	Well Lithology 80 sand/ 90 clay	Migrated Sort #: Bottom Depth:	0 100
Details Reports For: Top Depth: Lithology:	Well Lithology 100 clay	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 clay/ 130 sand	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 clay	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 clay/ 168 sand	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 clay/ 195 sand	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Lithology:	Well Lithology 200 clay w/ sand stringers	Migrated Sort #: Bottom Depth:	0 220
Details Reports For: Top Depth:	Well Lithology 220	Migrated Sort #: Bottom Depth:	0 240

Lithology:

sand

Details Reports For: Top Depth: Lithology:	Well Lithology 240 clay	Migrated Sort #: Bottom Depth:	0 260
Details Reports For: Top Depth: Lithology:	Well Lithology 260 clay/ 270 sand	Migrated Sort #: Bottom Depth:	0 280
Details Reports For: Top Depth: Lithology:	Well Lithology 280 sand	Migrated Sort #: Bottom Depth:	0 300
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4" New Plastic 0'-288' Casing Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2.5" New Plastic 280'-290' Blank Pipe Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2.5" New Plastic 290'-304' 6ga Screet Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: n Casing Status: Casing Type: Gauge:	3 Not Reported Not Reported Not Reported Not Reported

### 24 NW 1/2 - 1 Mile Higher

Database: Well Rpt #: Proposed Use: Injurious Water Quality:

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: **TCEQ** Approved Plans: Drill Start Date: Seal Method:

Submitted Drillers Reports Database (Monitoring) 255825 Domestic no

2011-06-07 Not Reported Not Reported Not Reported Domestic Not Reported 2011-05-02 Other - Trimmie

### Well Type: Borehole Depth (ft): Plugging Rpt #:

Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc:

Not Reported Mr. Hundle Not Reported New Well Not Reported Not Reported Not Reported

2011-05-03

Trimmie

New Well

300

#### **TX WELLS** TXMON5000252259

Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	75 60 Not Reported Not Reported Submersible 140.00 No John F Finch No 2405	Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not Reported Tape/Owner Yes Alternative Procedure Used Not Reported No Finch Water Well Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	4 300
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 100 Not Reported	Top Depth: Annular Seal: Unit:	0 20 Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2011-05-03 Unknown	Measurement: Artesian Flow:	40 Not Reported
Details Reports For: Packers:	Well Packers Rubber 270	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Yield: Hours:	Well Test 80 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Fresh	Migrated Strata Depth: Bottom Depth:	40 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 0-10-Top Soil	Migrated Sort #: Bottom Depth:	1 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 10-50-Red Clay	Migrated Sort #: Bottom Depth:	2 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 50-80-Gravel	Migrated Sort #: Bottom Depth:	3 Not Reported

Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 80-100-Red Clay	Migrated Sort #: Bottom Depth:	4 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 100-200-Heavy Sand	Migrated Sort #: Bottom Depth:	5 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 200-260-Red Clay	Migrated Sort #: Bottom Depth:	6 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology Not Reported 260-300-Sand	Migrated Sort #: Bottom Depth:	7 Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4 N PVC 0-270 Sch 40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 4 N PVC Slotted 270-290 .008 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4 N PVC 290-300 Sch 40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	3 Not Reported Not Reported Not Reported Not Reported

### 25 WSW 1/2 - 1 Mile Higher

Database: Well Rpt #: Proposed Use: Injurious Water Quality:

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Submitted Drillers Reports Database (Monitoring)284347Well Type:Rig SupplyBorehole DnoPlugging R

2012-04-20 See Comments Not Reported Not Reported Rig Supply Not Reported Well Type: Borehole Depth (ft): Plugging Rpt #:

Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: New Well 250 Not Reported

Ballard Exploration Inc. Not Reported New Well Not Reported Not Reported Not Reported

TXMON5000280397

TC5631236.20s Page A-47

TX WELLS

Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc: Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	2007-08-08 Unknown n/a Not Reported Not Reported Not Reported Submersible 85.00 No Harry C Bryson Jr No 1314	Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller: Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	2007-08-09 Not Reported Not Reported Yes Surface Sleeve Installed Not Reported Not Reported No B & L Water Well Service Inc. Well No: Johnson Foundation #1 ^EAD Not Reported 57147
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7.25 250
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
Details Reports For: Bottom Depth: Amount:	Well Seal Range 10 Not Reported	Top Depth: Annular Seal: Unit:	0 10 Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2007-08-09 Unknown	Measurement: Artesian Flow:	15 Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Fresh	Migrated Strata Depth: Bottom Depth:	Not Reported Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 clay	Migrated Sort #: Bottom Depth:	0 40
Details Reports For: Top Depth: Lithology:	Well Lithology 40 sand	Migrated Sort #: Bottom Depth:	0 70
Details Reports For: Top Depth: Lithology:	Well Lithology 70 rock	Migrated Sort #: Bottom Depth:	0 75
Details Reports For: Top Depth: Lithology:	Well Lithology 75 sand	Migrated Sort #: Bottom Depth:	0 130
Details Reports For: Top Depth:	Well Lithology 130	Migrated Sort #: Bottom Depth:	0 140

Lithology:

clay

140

sand

240

clay

Well Lithology

Well Lithology

Well Casing

Not Reported

Not Reported

Not Reported

Not Reported

Well Casing

Not Reported

Not Reported

Not Reported

Not Reported

Well Casing

Not Reported

Not Reported

Not Reported

Not Reported

4" New Plastic 0'-210' Sch 40

4" New Plastic Slotted 210'-230' .06

4" New Plastic Slotted 230'-250' .10

Details Reports For: Top Depth: Lithology:

Details Reports For: Top Depth: Lithology:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:

wsw 1/2 - 1 Mile Higher

G26

Database: Well Rpt #: Proposed Use: Injurious Water Quality:

Submitted Date: Well #: Elevation: Work Type Desc: Proposed Use: TCEQ Approved Plans: Drill Start Date: Seal Method: Dist to Septic/Other Contam: Dist to Property Line: Approved by Variance: Sealed by Name: Surf Complete Desc:

148157

no

Domestic

2008-07-31 Not Reported Not Reported Not Reported Domestic Not Reported 2008-04-15 Pressure No Septic 80 Not Reported Mesecke Not Reported

Submitted Drillers Reports Database (Monitoring) Well Type: Borehole Depth (ft): Plugging Rpt #:

> Owner Name: # Wells Drilled: Type of Work: Original Well Rpt Track #: Proposed Use Desc: PWS #: Drill End Date: Seal Method Desc: Distance to Septic Tank: Distance Verify Meth: Sealed by Driller: Surface Completion: Completed by Driller:

#### **TX WELLS** TXMON5000145760

New Well

Not Reported

275

Johnson, Delores Not Reported New Well Not Reported Not Reported Not Reported 2008-04-15 Not Reported Not Reported Estimated No Surface Sleeve Installed Not Reported

Migrated Sort #: 1 Not Reported Not Reported Not Reported Not Reported

0 240

0

250

Bottom Depth: Casing Status: Casing Type: Gauge:

Migrated Sort #:

Migrated Sort #:

Bottom Depth:

Bottom Depth:

Casing Status:

Migrated Sort #:

Casing Type:

Gauge:

Gauge:

Bottom Depth:

Migrated Sort #: Bottom Depth: Casing Status: Casing Type:

3 Not Reported Not Reported Not Reported Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Pump Type: Pump Depth: Injurious Water: Driller Name: Plugged within 48 hrs: Driller License #:	Submersible 140.00 No Alton Otto Mesecke No 2032	Pump Type Desc: Chemical Analysis: Company Name: Comments: Plugging Rpt Tracking #: Apprentice Reg #:	Not Reported No Mesecke Water Wells ^EO Not Reported Not Reported
Details Reports For: Top Depth:	Well Bore Hole 0	Diameter: Bottom Depth:	7 240
Details Reports For: Top Depth:	Well Bore Hole 240	Diameter: Bottom Depth:	3.875 280
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Under-reamed
Details Reports For: Bottom Depth: Amount:	Well Seal Range 4 Not Reported	Top Depth: Annular Seal: Unit:	0 3 Readimix Not Reported
Details Reports For: Bottom Depth: Amount:	Well Seal Range 240 Not Reported	Top Depth: Annular Seal: Unit:	4 14 Readimix Not Reported
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2008-04-20 Unknown	Measurement: Artesian Flow:	72 Not Reported
Details Reports For: Packers:	Well Packers Cement 0'-240'	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Yield: Hours:	Well Test 18 Not Reported	Test Type: Drawdown:	Pump Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Fair	Migrated Strata Depth: Bottom Depth:	215-275 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 red topsoil	Migrated Sort #: Bottom Depth:	0 4
Details Reports For: Top Depth: Lithology:	Well Lithology 4 red clay	Migrated Sort #: Bottom Depth:	0 18
Details Reports For:	Well Lithology	Migrated Sort #:	0

Top Depth: Lithology:	18 sand gravel	Bottom Depth:	60
Details Reports For: Top Depth: Lithology:	Well Lithology 60 red clay	Migrated Sort #: Bottom Depth:	0 92
Details Reports For: Top Depth: Lithology:	Well Lithology 92 sand	Migrated Sort #: Bottom Depth:	0 110
Details Reports For: Top Depth: Lithology:	Well Lithology 110 red clay	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 sand	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 red clay	Migrated Sort #: Bottom Depth:	0 170
Details Reports For: Top Depth: Lithology:	Well Lithology 170 sand	Migrated Sort #: Bottom Depth:	0 190
Details Reports For: Top Depth: Lithology:	Well Lithology 190 gray clay	Migrated Sort #: Bottom Depth:	0 220
Details Reports For: Top Depth: Lithology:	Well Lithology 220 sand	Migrated Sort #: Bottom Depth:	0 280
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing Not Reported 4" N PVC 0'-240' Sch 40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	1 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth: Migrated Casing Info: Diameter: Casing Material: Schedule:	Well Casing Not Reported 2 1/2" N PVC 230'-265' Sch 40 Not Reported Not Reported Not Reported	Migrated Sort #: Bottom Depth: Casing Status: Casing Type: Gauge:	2 Not Reported Not Reported Not Reported Not Reported
Details Reports For: Top Depth:	Well Casing Not Reported	Migrated Sort #: Bottom Depth:	3 Not Reported

Migrated Casing Info: Diameter: Casing Material: Schedule:

2 1/2" N Plastic Slot 265'-275' Sch 80 .008 Not Reported Not Reported Not Reported

Casing Status: Casing Type: Gauge:

Not Reported Not Reported Not Reported

63424

G27 WSW 1/2 - 1 Mile Higher			TX WELLS TXDOL2000163
Database:	Well Report Database	Fid:	163423
Rec id:	163420	Edr site i:	148157
Owner:	Johnson, Delores	Ownerwell:	No Data
Address:	109 Pine St., Madisonville, TX	Grid:	66-48-1
Waddress:	1805 CR 235, Wharton , TX	Lat:	29 20 19 N
County:	Wharton	Long:	096 05 43 W
Elevation:	No Data	Gpsused:	Not Given
Typeofwork:	New Well	Propuse:	Domestic
Sdate:	Not Reported	Completedd:	Not Reported
Diameter:	7 in From Surface To 240 ft	Dmethod:	Mud Rotary
Bcompletio:	Underreamed	Packedfrom:	Not Reported
Packsize:	Not Reported		
Finterval:	From 4 ft to 240 ft with 14 Readimix (a	#sacks and material)	
Sinterval:	From 0 ft to 4 ft with 3 Readimix (#sad	cks and material)	
Tinterval:	No Data	Usedmethod:	Pressure
Cementedby:	Mesecke	Contaminat:	No Septic ft
Propertyli:	80 ft	Verrimetho:	Estimated
Varriance:	No Data	Surface:	Surface Sleeve Installed
Staticleve:	72 ft. below land surface on 4/20/2008	8	
Flow:	No Data	Packers:	Cement 0-240
Cementinwe:	No Data	Typepump:	Submersible
Pumpbowl:	140 ft	Welltests:	Pump
Yield:	18 GPM with (No Data) ft drawdown a	after (No Data) hours	
Watertype:	Fair	Stratadept:	215-275 ft.
Chemicalma:	No	Undesirabl:	No
Companynam:	Mesecke Water Wells	Companyadd:	8102 Leroy Rd.
Ccitystate:	Richmond, TX 77469	Licensenum:	2032
Wsignature:	Alton Mesecke	Dsignature:	No Data
Regnum:	No Data	Comments:	^EO
Site id:	TXDOL2000163424		

Map ID Direction Distance			Database	EDR ID Number
1 North 1/8 - 1/4 Mile			OIL_GAS	TXOG70000220843
Surface ID: Current Well #: Radioactive: Well Type:	1098554 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	34580 424813458 Not Report	
A2 WSW 1/4 - 1/2 Mile			OIL_GAS	TXOG70000220848
Surface ID: Current Well #: Radioactive: Well Type:	1083050 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	34456 424813445 Not Report	
A3 WSW 1/4 - 1/2 Mile			OIL_GAS	TXOG70000220847
Surface ID: Current Well #: Radioactive: Well Type:	1101053 2 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	34608 424813460 Not Report	
4 SW 1/2 - 1 Mile			OIL_GAS	TXOG70000220851
Surface ID: Current Well #: Radioactive: Well Type:	1198805 1 Not Reported Dry Hole	Well ID: API #: Side Track:	35093 424813509 D1	93D1
5 SSE 1/2 - 1 Mile			OIL_GAS	TXOG70000220852
Surface ID: Current Well #: Radioactive: Well Type:	1091732 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	34530 424813453 Not Report	

## **GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance			Database	EDR ID Number
<b>ast</b> / <b>2 - 1 Mile</b> Surface ID: Current Well #: Radioactive: Well Type:	192188 1 Not Reported Dry Hole	Well ID: API #: Side Track:	OIL_GAS 31693 424813169 Not Report	-
NE /2 - 1 Mile Surface ID: Current Well #: Radioactive: Well Type:	192326 1 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	OIL_GAS 34043 424813404 Not Report	
SE SE //2 - 1 Mile Surface ID: Current Well #: Radioactive: Well Type:	1277866 1 Not Reported Dry Hole	Well ID: API #: Side Track:	OIL_GAS 35312 424813531 Not Report	
SE SURFACE ID: Current Well #: Radioactive: Well Type:	192189 1 Not Reported Dry Hole	Well ID: API #: Side Track:	OIL_GAS 33370 424813337 Not Report	
10 North I/2 - 1 Mile Surface ID: Current Well #: Radioactive: Well Type:	192181 1 Not Reported Dry Hole	Well ID: API #: Side Track:	OIL_GAS Not Report 42481 Not Report	

## **GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance			Database	EDR ID Number
11 North 1/2 - 1 Mile			OIL_GAS	TXOG70000220834
Surface ID: Current Well #: Radioactive: Well Type:	1112543 1 Not Reported Dry Hole	Well ID: API #: Side Track:	34704 424813470 Not Report	
12 NSW 1/2 - 1 Mile			OIL_GAS	TXOG70000220849
Surface ID: Current Well #: Radioactive: Well Type:	1159167 1 Not Reported Dry Hole	Well ID: API #: Side Track:	34910 424813491 Not Report	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

#### AREA RADON INFORMATION

State Database: TX Radon

Radon Test Results

County	Mean	Total Sites	%>4 pCi/L	%>20 pCi/L	Min pCi/L	Max pCi/L
WHARTON	<.5	4	.0	.0	<.5	1.9

#### Federal EPA Radon Zone for WHARTON County: 3

Note: Zone 1 indoor average level > 4 pCi/L. : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L. : Zone 3 indoor average level < 2 pCi/L.

#### Federal Area Radon Information for WHARTON COUNTY, TX

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water Supply Sources Databases Source: Texas Commission on Environmental Quality Telephone: 512-239-6199 Locations of public drinking water sources maintained by the TCEQ.

Groundwater Database Source: Texas Water Development Board Telephone: 512-936-0837

Well Report Database Source: Department of Licensing and Regulation Telephone: 512-936-0833

Water Well Database Source: Harris-Galveston Coastal Subsidence District Telephone: 281-486-1105

Brackish Resources Aquifer Characterization System Database

Source: Texas Water Development Board

WDB's Brackish Resources Aquifer Characterization System (BRACS) was designed to map and characterize the brackish aquifers of Texas in greater detail than previous studies. The information is contained in the BRACS Database and project data are summarized in a project report with companion geographic information system data files.

Submitted Driller's Reports Database

Source: Texas Water Development Board

Telephone: 512-936-0833

The Submitted Driller's Report Database is populated from the online Texas Well Report Submission and Retrieval System which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports.

#### OTHER STATE DATABASE INFORMATION

Texas Oil and Gas Wells Source: Texas Railroad Commission Telephone: 512-463-6882 Oil and gas well locations.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### RADON

State Database: TX Radon Source: Department of Health Telephone: 512-834-6688 Rinal Report of the Texas Indoor Radon Survey

Area Radon Information Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

#### STREET AND ADDRESS INFORMATION

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## Wharton 3

Unknown Wharton, TX 77488

Inquiry Number: 5631236.27 April 26, 2019

## **The EDR Aerial Photo Decade Package**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

## EDR Aerial Photo Decade Package

#### Site Name:

#### Client Name:

04/26/19

Wharton 3 Unknown Wharton, TX 77488 EDR Inquiry # 5631236.27 U.S. Army Corps of Engineers 819 Taylor Street Fort Worth, TX 76102-0300 Contact: David Clark



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Sear	rch Results:			
Yea	<u>ar Scale</u>	Details	Source	
2016	6 1"=500'	Flight Year: 2016	USDA/NAIP	
2012	2 1"=500'	Flight Year: 2012	USDA/NAIP	
2008	3 1"=500'	Flight Year: 2008	USDA/NAIP	
2005	5 1"=500'	Flight Year: 2005	USDA/NAIP	
1995	5 1"=500'	Acquisition Date: February 04, 1995	USGS/DOQQ	
1981	1 1"=500'	Flight Date: January 01, 1981	USGS	
1972	2 1"=500'	Flight Date: January 01, 1972	ASCS	
1962	2 1"=500'	Flight Date: January 01, 1962	ASCS	
1953	3 1"=500'	Flight Date: January 01, 1953	AMS	

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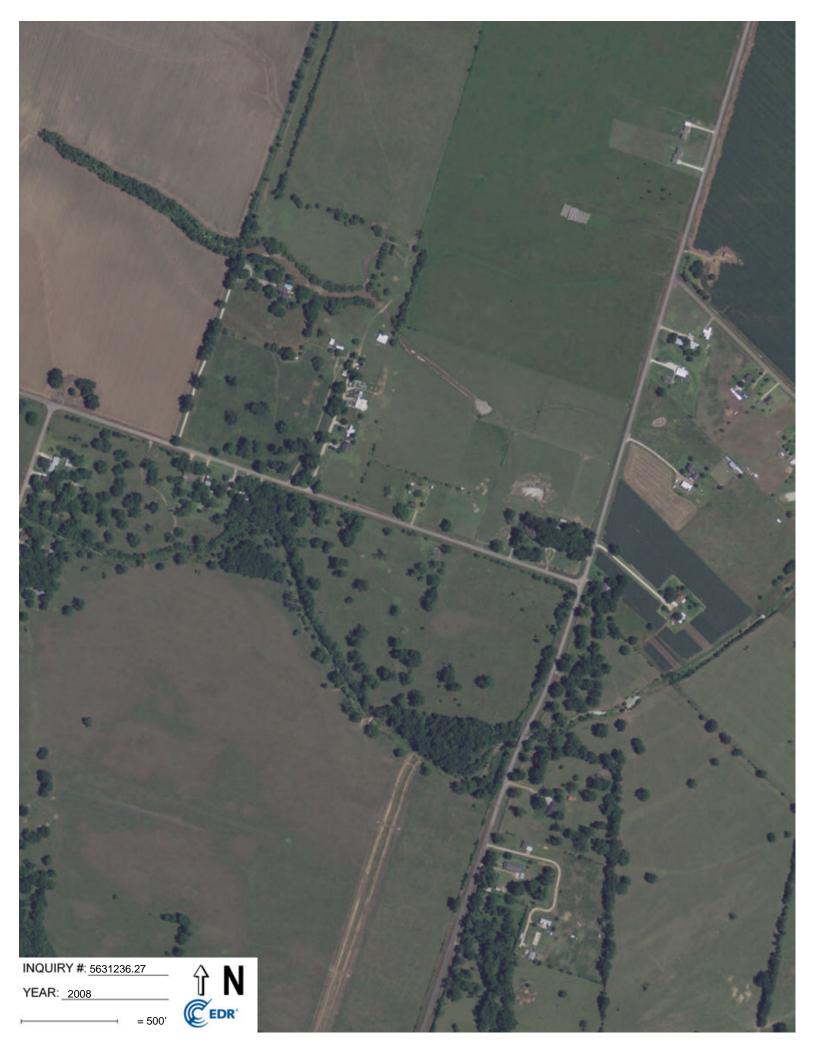
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Wharton 3 Unknown Wharton, TX 77488

Inquiry Number: 5631236.22 April 24, 2019

## EDR Historical Topo Map Report with QuadMatch™



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

EDR Historical	Topo Map Report	04/24/19
Site Name:	Client Name:	

## Wharton 3 Unknown Wharton, TX 77488 EDR Inquiry # 5631236.22

U.S. Army Corps of Engineers 819 Taylor Street Fort Worth, TX 76102-0300 Contact: David Clark



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by U.S. Army Corps of Engineers were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Res	ults:	Coordinates:	
P.O.#	NA	Latitude:	29.34346 29° 20' 36" North
Project:	NA	Longitude:	-96.080074 -96° 4' 48" West
•		UTM Zone:	Zone 14 North
		UTM X Meters:	783519.57
		UTM Y Meters:	3249581.25
		Elevation:	96.00' above sea level
Maps Provid	ded:		
2013			

1980 1953

1929

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### **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2013 Source Sheets



Wharton 2013 7.5-minute, 24000

#### **1980 Source Sheets**



Wharton 1980 7.5-minute, 24000 Aerial Photo Revised 1977

#### **1953 Source Sheets**



Wharton 1953 7.5-minute, 24000 Aerial Photo Revised 1951

#### **1929 Source Sheets**



WHARTON 1929 30-minute, 125000



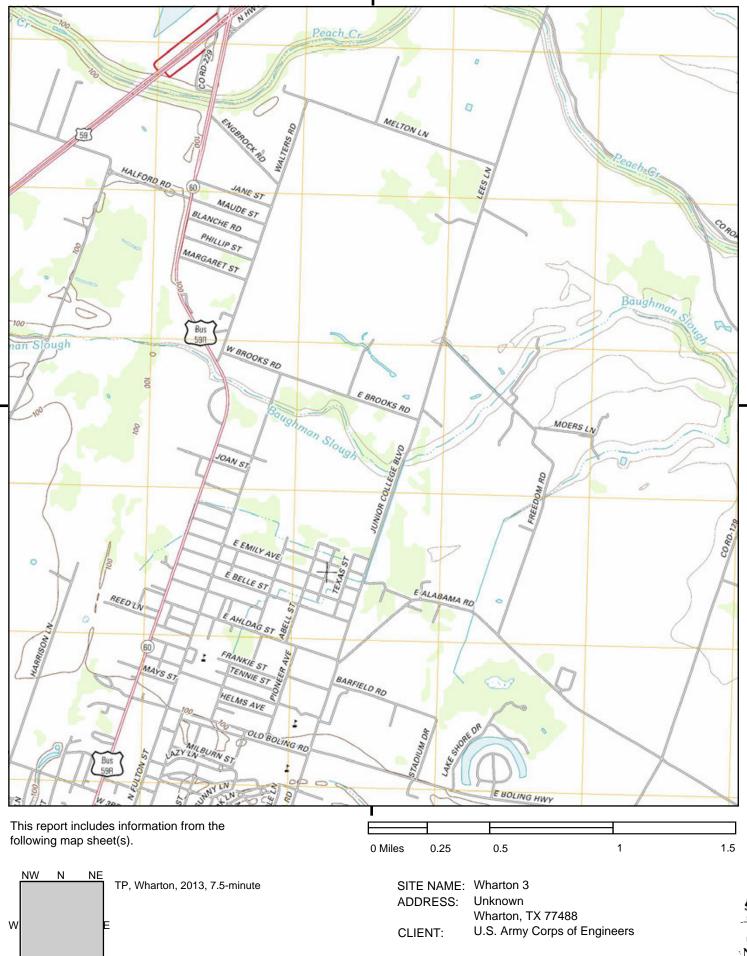
SW

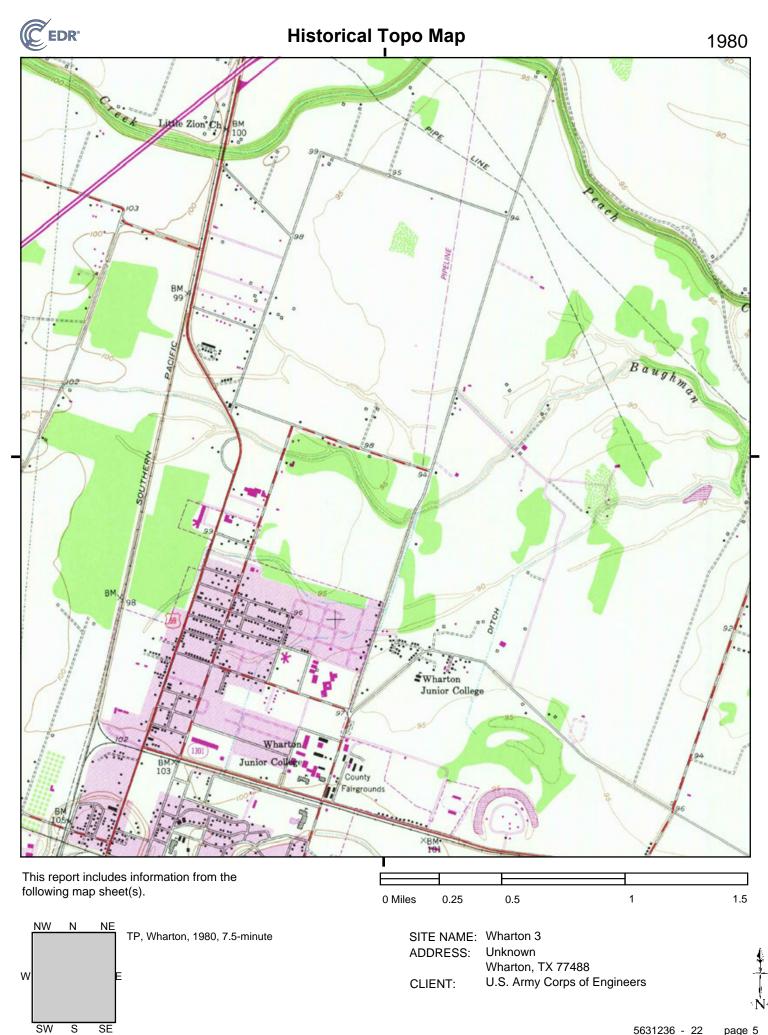
S

SE

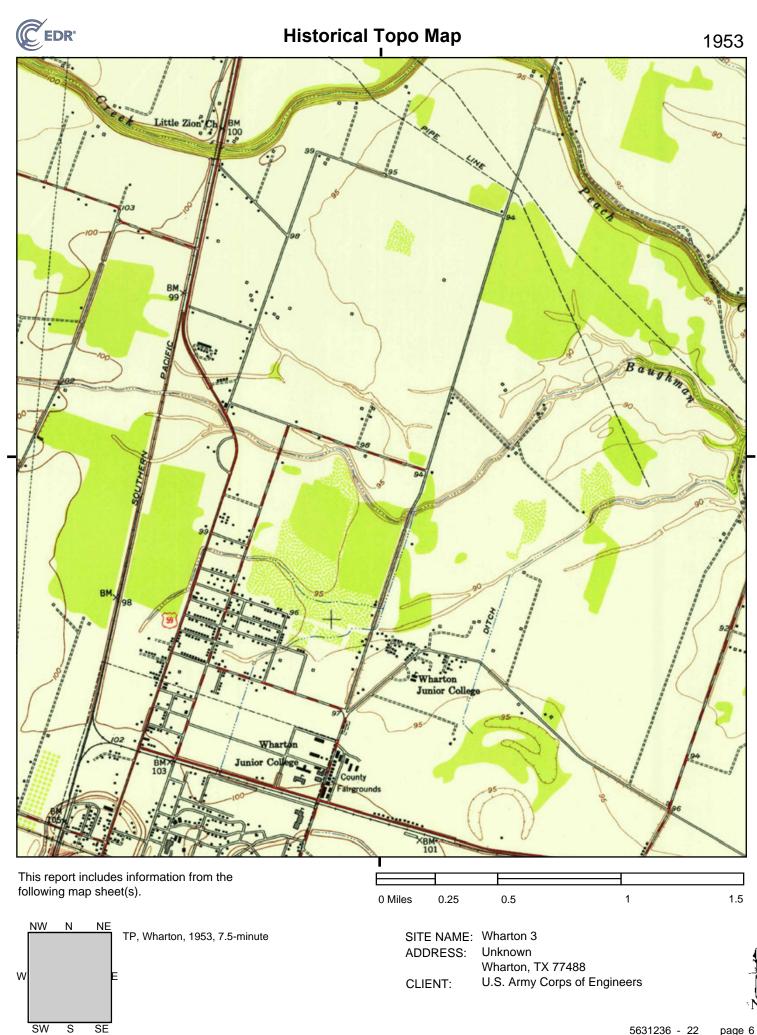
## **Historical Topo Map**

2013



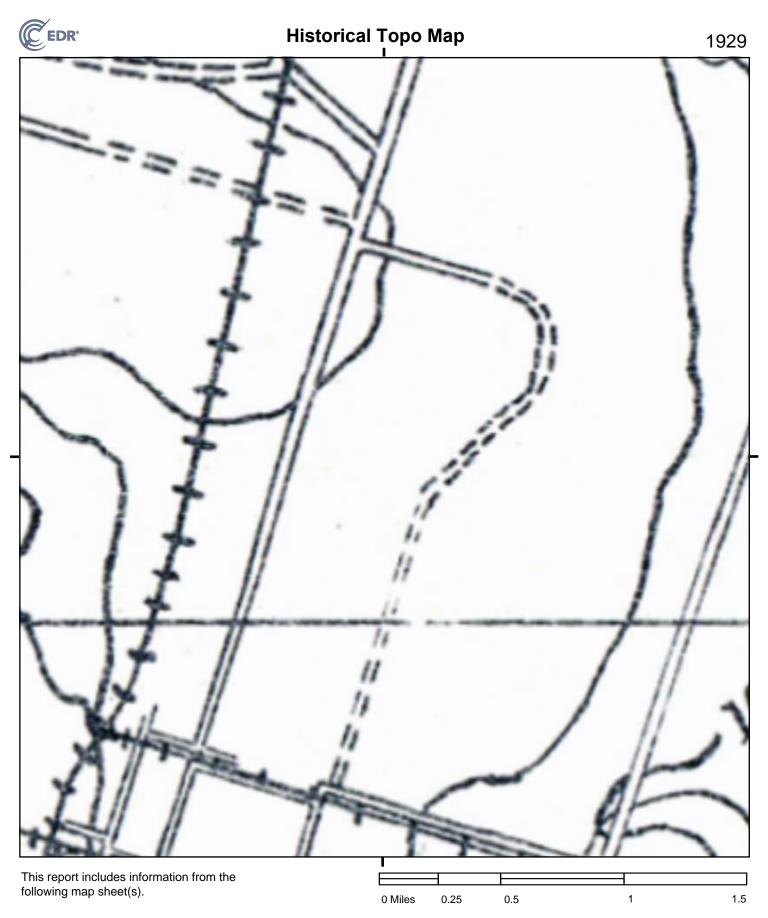


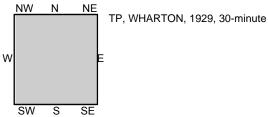
5631236 - 22 page 5



S

5631236 - 22 page 6





SITE NAME:	Wharton 3
ADDRESS:	Unknown
	Wharton, TX 77488
CLIENT:	U.S. Army Corps of Engineers

## **Wharton Extension**

Various Wharton, TX 77488

Inquiry Number: 5687120.2s June 18, 2019

# The EDR Radius Map<sup>™</sup> Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

FORM-LBC-GXH

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### **GEOCHECK ADDENDUM**

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*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### ADDRESS

VARIOUS WHARTON, TX 77488

#### COORDINATES

Latitude (North):	29.3257200 - 29° 19' 32.59''
Longitude (West):	96.1520430 - 96° 9' 7.35''
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	776581.9
UTM Y (Meters):	3247264.5
Elevation:	105 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: Version Date: 5937255 GLEN FLORA, TX 2013

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: Source: 20140813 USDA DATABASE ACRONYMS

Target Property Address: VARIOUS WHARTON, TX 77488

Click on Map ID to see full detail.

MAP ID SITE NAME

ADDRESS

RELATIVEDIST (ft. & mi.)ELEVATIONDIRECTION

NO MAPPED SITES FOUND

#### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

#### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL	National Priority List
	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens

#### Federal Delisted NPL site list

Delisted NPL\_\_\_\_\_ National Priority List Deletions

#### Federal CERCLIS list

FEDERAL FACILITY\_\_\_\_\_\_ Federal Facility Site Information listing SEMS\_\_\_\_\_\_ Superfund Enterprise Management System

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE...... Superfund Enterprise Management System Archive

#### Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### Federal RCRA generators list

RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator

#### Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
US ENG CONTROLS	Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

#### Federal ERNS list

ERNS\_\_\_\_\_ Emergency Response Notification System

#### State- and tribal - equivalent NPL

SHWS\_\_\_\_\_ State Superfund Registry

#### State and tribal landfill and/or solid waste disposal site lists

SWF/LF	Permitted Solid Waste Facilities
DEBRIS	DEBRIS
CLI	Closed Landfill Inventory
WASTE MGMT	Commercial Hazardous & Solid Waste Management Facilities

#### State and tribal leaking storage tank lists

INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
LPST	Leaking Petroleum Storage Tank Listing

#### State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
UST	Petroleum Storage Tank Database
	Petroleum Storage Tank Database
INDIAN UST	Underground Storage Tanks on Indian Land

#### State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

#### State and tribal voluntary cleanup sites

VCP\_\_\_\_\_Voluntary Cleanup Program Database INDIAN VCP\_\_\_\_\_Voluntary Cleanup Priority Listing

#### State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Assessments

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

#### Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY	Recycling Facility Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
PRIORITYCLEANERS	. Dry Cleaner Remediation Program Prioritization List
	. Deleted Superfund Registry Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

### Local Lists of Registered Storage Tanks

NON REGIST PST..... Petroleum Storage Tank Non Registered

#### Local Land Records

HIST LIENS	Environmental Liens Listing
LIENS	
LIENS 2	CERCLA Lien Information

#### Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	
SPILLS 90	. SPILLS 90 data from FirstSearch
SPILLS 80	. SPILLS 80 data from FirstSearch

#### Other Ascertainable Records

FUDS. DOD. SCRD DRYCLEANERS. US FIN ASSUR. EPA WATCH LIST. 2020 COR ACTION. TSCA. TRIS. SSTS. ROD. RMP.	2020 Corrective Action Program List     Toxic Substances Control Act     Toxic Chemical Release Inventory System     Section 7 Tracking Systems     Records Of Decision     Risk Management Plans
	RCRA Administrative Action Tracking System
PADS	Potentially Responsible Parties PCB Activity Database System
	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO	<ul> <li>Material Licensing Tracking System</li> <li>Steam-Electric Plant Operation Data</li> <li>Coal Combustion Residues Surface Impoundments List</li> <li>PCB Transformer Registration Database</li> <li>Radiation Information Database</li> <li>FIFRA/TSCA Tracking System Administrative Case Listing</li> </ul>

#### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

#### EDR RECOVERED GOVERNMENT ARCHIVES

#### **Exclusive Recovered Govt. Archives**

```
RGA HWS______ Recovered Government Archive State Hazardous Waste Facilities List RGA LF______ Recovered Government Archive Solid Waste Facilities List
```

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

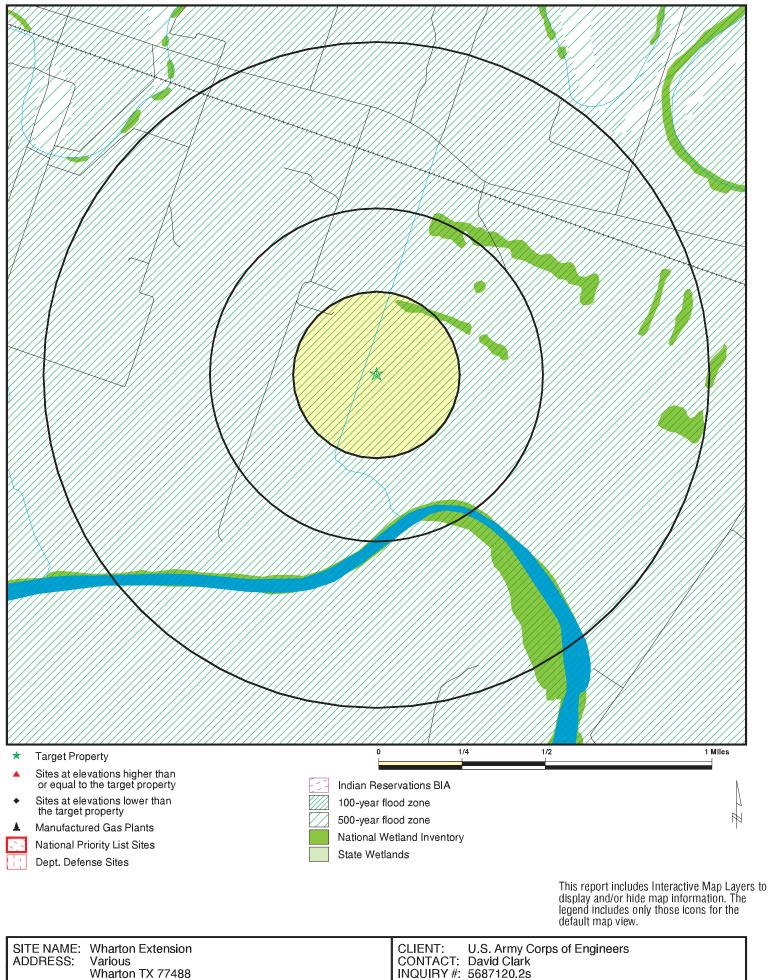
Site Name

WR WHARTON COUNTY

Database(s)

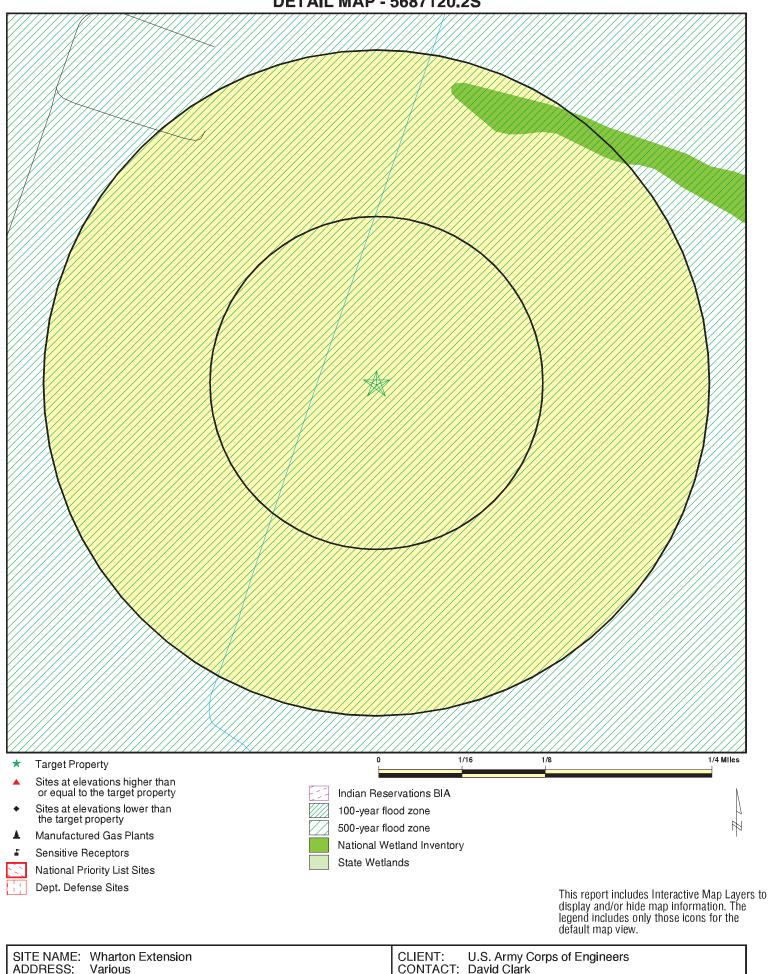
FINDS

**OVERVIEW MAP - 5687120.2S** 



29.32572 / 96.152043

LAT/LONG:



INQUIRY #: 5687120.2s

Wharton TX 77488

29.32572 / 96.152043

LAT/LONG:

## **MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional controls / engineering controls registries								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF DEBRIS CLI WASTE MGMT	0.500 0.500 0.500 TP		0 0 0 NR	0 0 0 NR	0 0 0 NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0

## **MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LPST	0.500		0	0	0	NR	NR	0
State and tribal registere	ed storage tai	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal institution control / engineering control / engin		s						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntar	y cleanup site	es						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN		S						
		-						
Local Brownfield lists			_	_	_			_
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL PRIORITYCLEANERS DEL SHWS US CDL PFAS	TP TP 0.500 1.000 TP 0.500		NR NR 0 NR 0	NR 0 0 NR 0	NR 0 0 NR 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Registere	d Storage Tar	nks						
NON REGIST PST	0.250		0	0	NR	NR	NR	0
Local Land Records								
HIST LIENS LIENS LIENS 2	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Records of Emergency I	Release Repo	rts						
HMIRS	TP		NR	NR	NR	NR	NR	0

## **MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90 SPILLS 80	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST 2020 COR ACTION	TP 0.250		NR 0	NR 0	NR NR	NR NR	NR NR	0
TSCA	0.250 TP		NR	NR	NR	NR	NR	0 0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	Õ
ROD	1.000		0	0	0	0	NR	Ō
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS MLTS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NŘ	NŘ	NR	NR	NR	õ
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA LEAD SMELTERS	0.500 TP		0 NR	0 NR	0 NR	NR NR	NR NR	0 0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	Õ
ABANDONED MINES	0.250		0	0	NR	NR	NR	Ō
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS APAR	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	Ő	NR	NR	NR	Ö
ED AQUIF	TP		NR	NR	NR	NR	NR	Ő
ENF	TP		NR	NR	NR	NR	NR	Ō
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GCC	TP		NR	NR	NR	NR	NR	0

## **MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IOP	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
Ind. Haz Waste	0.250		0	0	NR	NR	NR	0
MSD	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
RWS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
IHW CORR ACTION	0.250		0	0	NR	NR	NR	0
PST STAGE 2	0.250		0	0	NR	NR	NR	0
COMP HIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORIC								
EDR Exclusive Records	5							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVER		VES						
Exclusive Recovered G	ovt. Archives							
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGALF	TP		NR	NR	NR	NR	NR	Õ
- Totals		0	0	0	0	0	0	0

## NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Database(s) E

EDR ID Number EPA ID Number

NO SITES FOUND

Count: 1 records.

#### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WHARTON COUNTY	1024195725	WR WHARTON COUNTY	VARIOUS LOCATIONS WITHIN THE C		FINDS

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 26 Source: EPA Telephone: N/A Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC) Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 26 Source: EPA Telephone: N/A Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011 Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 26 Source: EPA Telephone: N/A Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019 Date Data Arrived at EDR: 04/05/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 39 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 03/27/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Quarterly

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### Federal RCRA generators list

## RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019Source: Environmental Protection AgencyDate Data Arrived at EDR: 03/27/2019Telephone: 214-665-6444Date Made Active in Reports: 04/17/2019Last EDR Contact: 03/27/2019Number of Days to Update: 21Next Scheduled EDR Contact: 07/08/2019Data Release Frequency: Quarterly

#### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/22/2019	Source: Department of the Navy
Date Data Arrived at EDR: 03/07/2019	Telephone: 843-820-7326
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 05/10/2019
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/26/2019
	Data Release Frequency: Varies

## US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 05/29/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/31/2019 Date Data Arrived at EDR: 02/04/2019 Date Made Active in Reports: 03/08/2019 Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 05/29/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies

### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/26/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 36 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### State- and tribal - equivalent NPL

SHWS: State Superfund Registry

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/08/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 12/27/2018	Telephone: 512-239-5680
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Semi-Annually

### State and tribal landfill and/or solid waste disposal site lists

#### SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 63 Source: Texas Commission on Environmental Quality Telephone: 512-239-6706 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Quarterly

#### DEBRIS: DEBRIS

A listing of temporary debris management sites and MSW landfills for debris resulting from Hurricane Harvey.

Date of Government Version: 03/27/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/04/2018	Telephone: 512-239-6840
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/10/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## H-GAC CLI: Houston-Galveston Closed Landfill Inventory

Closed Landfill Inventory for the Houston-Galveston Area Council Region. In 1993, the Texas Legislature passed House Bill (HB) 2537, which required Councils of Governments (COGs) to develop an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Date of Government Version: 01/02/2019SoDate Data Arrived at EDR: 01/03/2019TeDate Made Active in Reports: 02/08/2019LaNumber of Days to Update: 36Ne

Source: Houston-Galveston Area Council Telephone: 832-681-2518 Last EDR Contact: 04/04/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

### CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas. For current information regarding any of the sites included in this database, contact the appropriate Council of Governments agency.

Date of Government Version: 08/30/1999	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 09/28/2000	Telephone: N/A
Date Made Active in Reports: 10/30/2000	Last EDR Contact: 04/02/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

WASTE MGMT: Commercial Hazardous & Solid Waste Management Facilities

This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 02/02/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/06/2018	Telephone: 512-239-2920
Date Made Active in Reports: 06/13/2018	Last EDR Contact: 04/05/2019
Number of Days to Update: 68	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

### State and tribal leaking storage tank lists

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018	Source: EPA Region 10
Date Data Arrived at EDR: 03/07/2019	Telephone: 206-553-2857
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-7439
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019	5
Date Data Arrived at EDR: 03/07/2019	٦
Date Made Active in Reports: 05/01/2019	L
Number of Days to Update: 55	1

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

	Date of Government Version: 11/01/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies
IND	NDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.	
	Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 50	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies
INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.		
	Date of Government Version: 10/13/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies
INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada		
	Date of Government Version: 10/10/2018 Date Data Arrived at EDR: 03/08/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 54	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies
LPS	T: Leaking Petroleum Storage Tank Database An inventory of reported leaking petroleum sto the information stored varies by state.	rage tank incidents. Not all states maintain these records, and
	Date of Government Version: 03/26/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 14	Source: Texas Commission on Environmental Quality Telephone: 512-239-2200 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly
State and tribal registered storage tank lists		
FEN	IA UST: Underground Storage Tank Listing A listing of all FEMA owned underground stora	ige tanks.
	Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017 Number of Days to Update: 136	Source: FEMA Telephone: 202-646-5797 Last EDR Contact: 04/25/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies

UST: Petroleum Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Data Release Frequency: Varies

Telephone: 512-239-2160 Last EDR Contact: 03/27/2019

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/11/2019
Number of Days to Update: 15

AST: Petroleum Storage Tank Database Registered Aboveground Storage Tanks.

> Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 15

Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

Source: Texas Commission on Environmental Quality

Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/17/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55 Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

### INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018 Date Data Arrived at EDR: 03/08/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 54 Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018 Date Data Arrived at EDR: 03/07/2019	Source: EPA Region 8 Telephone: 303-312-6137
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/07/2018	Source: EPA Region 7
Date Data Arrived at EDR: 03/07/2019	Telephone: 913-551-7003
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/01/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55 Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-6136
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 03/12/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 50 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/03/2018 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 55 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

#### AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 10/04/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/12/2018	Telephone: 512-239-5891
Date Made Active in Reports: 11/07/2018	Last EDR Contact: 04/01/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

### State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source:
Date Data Arrived at EDR: 09/29/2015	Telepho
Date Made Active in Reports: 02/18/2016	Last ED
Number of Days to Update: 142	Next Sch

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies

### VCP RRC: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program (RRC-VCP) provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination. Applicants to the program receive a release of liability to the state in exchange for a successful cleanup.

Date of Government Version: 11/20/2018	Source: Railroad Commission of Texas
Date Data Arrived at EDR: 01/03/2019	Telephone: 512-463-6969
Date Made Active in Reports: 02/08/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

### VCP TCEQ: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 10/01/2018	Source: Texas Commission on Environmental
Date Data Arrived at EDR: 10/02/2018	Telephone: 512-239-5891
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 03/26/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

### State and tribal Brownfields sites

**BROWNFIELDS: Brownfields Site Assessments** 

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 12/04/2018 Date Data Arrived at EDR: 01/03/2019 Date Made Active in Reports: 02/07/2019 Number of Days to Update: 35

Source: TCEQ Telephone: 512-239-5872 Last EDR Contact: 04/04/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Semi-Annually

Quality

### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018 Date Data Arrived at EDR: 12/18/2018 Date Made Active in Reports: 01/11/2019 Number of Days to Update: 24

Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 06/04/2019 Next Scheduled EDR Contact: 09/30/2019 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

### CAPCOG LI: Capitol Area Landfill Inventory

Permitted and unpermitted landfills for the CAPCOG region. Serving Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Travis, and Williamson Counties.

	hays, Lee, Liano, Travis, and Williamson Court	lites.
	Date of Government Version: 01/06/2017 Date Data Arrived at EDR: 01/10/2017 Date Made Active in Reports: 03/15/2017 Number of Days to Update: 64	Source: Capital Area Council of Governments Telephone: 512-916-6000 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	OG LI: North Central Landfill Inventory North Central Texas Council of Governments la	andfill database.
	Date of Government Version: 01/03/2019 Date Data Arrived at EDR: 01/04/2019 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 35	Source: North Central Texas Council of Governments Telephone: 817-695-9223 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies
	CY: Recycling Facility Listing A listing of recycling facilities in the state.	
	Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 02/19/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 38	Source: TCEQ Telephone: 512-239-6700 Last EDR Contact: 05/10/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Varies
	N ODI: Report on the Status of Open Dumps of Location of open dumps on Indian land.	on Indian Lands
	Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008 Number of Days to Update: 52	Source: Environmental Protection Agency Telephone: 703-308-8245 Last EDR Contact: 04/26/2019 Next Scheduled EDR Contact: 08/12/2019 Data Release Frequency: Varies
	Open Dump Inventory An open dump is defined as a disposal facility t Subtitle D Criteria.	that does not comply with one or more of the Part 257 or Part 258
	Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39	Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
	IS REGION 9: Torres Martinez Reservation II A listing of illegal dump sites location on the To County and northern Imperial County, Californi	rres Martinez Indian Reservation located in eastern Riverside
	Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 137	Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015 Number of Days to Update: 176 Source: Department of Health & Human Serivces, Indian Health Service Telephone: 301-443-1452 Last EDR Contact: 04/23/2019 Next Scheduled EDR Contact: 08/12/2019 Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Site Locations Listing A listing of former clandestine drug site locations

Date of Government Version: 08/07/2017	Source: Department of Public Safety
Date Data Arrived at EDR: 08/15/2017	Telephone: 512-424-2144
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 04/29/2019
Number of Days to Update: 269	Next Scheduled EDR Contact: 08/12/2019
	Data Release Frequency: Varies

PRIORITY CLEANERS: Dry Cleaner Remediation Program Prioritization List A listing of dry cleaner related contaminated sites.

Date of Government Version: 02/25/2019 Date Data Arrived at EDR: 03/06/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 36 Source: Texas Commission on Environmenatl Quality Telephone: 512-239-5658 Last EDR Contact: 06/07/2019 Next Scheduled EDR Contact: 06/18/2108 Data Release Frequency: Varies

DEL SHWS: Deleted Superfund Registry Sites

Sites have been deleted from the state Superfund registry in accordance with the Act, ?361.189

Date of Government Version: 11/08/2018 Date Data Arrived at EDR: 12/27/2018	Source: Texas Commission on Environmental Quality Telephone: 512-239-0666
Date Made Active in Reports: 02/12/2019	Last EDR Contact: 03/25/2019
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/08/2019
- ·	Data Release Frequency: Quarterly

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/24/2019 Date Data Arrived at EDR: 02/26/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 50 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Quarterly

### PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 03/13/2019 Date Data Arrived at EDR: 03/19/2019 Date Made Active in Reports: 04/15/2019 Number of Days to Update: 27 Source: Texas Commission on Environmental Quality Telephone: 512-239-2341 Last EDR Contact: 06/03/2019 Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Varies

### Local Lists of Registered Storage Tanks

NON REGIST PST: Petroleum Storage Tank Non Registered A listing of non-registered petroleum storage tank site locations.

Date of Government Version: 01/29/2019 Date Data Arrived at EDR: 01/31/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 57

Source: Texas Commission on Environmental Quality Telephone: 512-239-2081 Last EDR Contact: 05/01/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Quarterly

### Local Land Records

HIST LIENS: Environmental Liens Listing

This listing contains information fields that are no longer tracked in the LIENS database.

Date of Government Version: 03/23/2007	Source: Texas Commission on Environmental Qualilty
Date Data Arrived at EDR: 03/23/2007	Telephone: 512-239-2209
Date Made Active in Reports: 05/02/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

The listing covers TCEQ liens placed against either State Superfund sites or Federal Superfund sites to recover cost incurred by TCEQ.

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2209
Last EDR Contact: 04/01/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/25/2019Source: U.S. DDate Data Arrived at EDR: 03/26/2019Telephone: 202Date Made Active in Reports: 05/14/2019Last EDR ContaNumber of Days to Update: 49Next Schedulege

Source: U.S. Department of Transportation Telephone: 202-366-4555 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### SPILLS: Spills Database

Spills reported to the Emergency Response Division.

Date of Government Version: 10/18/2018	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 10/19/2018	Telephone: 512-239-2507
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 04/04/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Quarterly

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/23/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/07/2013 Number of Days to Update: 63 Source: FirstSearch Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

## SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 05/15/2005Source: FirstSearchDate Data Arrived at EDR: 01/03/2013Telephone: N/ADate Made Active in Reports: 03/07/2013Last EDR Contact: 0Number of Days to Update: 63Next Scheduled EDR

Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

### Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/17/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 03/07/2019
Date Data Arrived at EDR: 04/03/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 50

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 05/21/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/12/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 05/13/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/25/2019 Date Data Arrived at EDR: 03/26/2019 Date Made Active in Reports: 05/07/2019 Number of Days to Update: 42 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 05/06/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 05/10/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 198 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 03/22/2019 Next Scheduled EDR Contact: 07/01/2019 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 01/10/2018 Date Made Active in Reports: 01/12/2018 Number of Days to Update: 2

Source: EPA Telephone: 202-566-0250 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011 Number of Days to Update: 77 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 04/24/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Annually

### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/11/2019 Date Data Arrived at EDR: 04/18/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 35 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019 Date Data Arrived at EDR: 05/02/2019 Date Made Active in Reports: 05/23/2019 Number of Days to Update: 21 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 04/22/2019 Next Scheduled EDR Contact: 08/05/2019 Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019	Source: EPA
Date Data Arrived at EDR: 04/18/2019	Telephone: 202-564-6023
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 06/06/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/19/2019
	Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 04/10/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Annually

#### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 04/08/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 04/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	
Date Data Arrived at EDR: 09/10/2014	
Date Made Active in Reports: 10/20/2014	
Number of Days to Update: 40	

Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 06/07/2019 Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 04/26/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/02/2019 Date Data Arrived at EDR: 04/02/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 42 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 04/02/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40

Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/29/2019	Telephone: 202-366-4595
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 04/30/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 08/12/2019
	Data Release Frequency: Quarterly

#### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2019	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/23/2019	Telephone: Varies
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Varies

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017 Number of Days to Update: 218 Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Biennially

#### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/11/2019
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/22/2019
	Data Release Frequency: Semi-Annually

#### FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 05/02/2019 Next Scheduled EDR Contact: 08/19/2019 Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017 Number of Days to Update: 23 Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/11/2019Source: EnvirDate Data Arrived at EDR: 04/18/2019Telephone: 70Date Made Active in Reports: 05/14/2019Last EDR ConNumber of Days to Update: 26Next Schedule

Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 06/06/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies

### LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36 Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

#### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.	
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US MINES: Mines Master Index File Contains all mine identification numbers issue violation information.	ed for mines active or opened since 1971. The data also includes
Date of Government Version: 11/27/2018 Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 33	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 05/29/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Semi-Annually
	I mines are facilities that extract ferrous metals, such as iron ous metal mines are facilities that extract nonferrous metals, such
Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 49	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 05/31/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies
US MINES 3: Active Mines & Mineral Plants Datab Active Mines and Mineral Processing Plant op of the USGS.	base Listing perations for commodities monitored by the Minerals Information Team
Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 05/31/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies
information needed to implement the Surface contains information on the location, type, and with the reclamation of those problems. The in	ast mining (primarily coal mining) is maintained by OSMRE to provide Mining Control and Reclamation Act of 1977 (SMCRA). The inventory d extent of AML impacts, as well as, information on the cost associated nventory is based upon field surveys by State, Tribal, and OSMRE hat it is modified as new problems are identified and existing
Date of Government Version: 03/27/2019 Date Data Arrived at EDR: 03/28/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Lodate: 34	Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 06/10/2019 Next Scheduled EDR Contact: 09/23/2019

Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Quarterly

Number of Days to Update: 34

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 03/15/2019 Number of Days to Update: 10	Source: EPA Telephone: (214) 665-2200 Last EDR Contact: 06/05/2019 Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Quarterly
DOCKET HWC: Hazardous Waste Compliance Do A complete list of the Federal Agency Hazardo	5
Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018 Number of Days to Update: 71	Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 05/24/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies
UXO: Unexploded Ordnance Sites	

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 74 Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency Telephone: 202-564-2280 Last EDR Contact: 04/09/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Quarterly

### FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 02/21/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 39 Source: EPA Telephone: 800-385-6164 Last EDR Contact: 05/21/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Quarterly

#### AIRS: Current Emission Inventory Data

The database lists by company, along with their actual emissions, the TNRCC air accounts that emit EPA criteria pollutants.

Date of Government Version: 01/16/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/18/2019	Telephone: N/A
Date Made Active in Reports: 03/25/2019	Last EDR Contact: 06/10/2019
Number of Days to Update: 66	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Semi-Annually

APAR: Affected Property Assessment Report Site Listing of Sites That Have Received an APAF	
Date of Government Version: 01/09/2019 Date Data Arrived at EDR: 01/11/2019 Date Made Active in Reports: 03/25/2019 Number of Days to Update: 73	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Varies
ASBESTOS: Asbestos Notification Listing A listing of asbestos notification site locations	5.
Date of Government Version: 03/05/2019 Date Data Arrived at EDR: 03/07/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 35	Source: Department of State Health Services Telephone: 512-834-6787 Last EDR Contact: 06/17/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Varies
COAL ASH: Coal Ash Disposal Sites A listing of facilities that use surface impound	Iments or landfills to dispose of coal ash.
Date of Government Version: 05/02/2018 Date Data Arrived at EDR: 05/07/2018 Date Made Active in Reports: 06/07/2018 Number of Days to Update: 31	Source: Texas Commission on Environmental Quality Telephone: 512-239-6624 Last EDR Contact: 04/29/2019 Next Scheduled EDR Contact: 08/12/2019 Data Release Frequency: Varies
DRYCLEANERS: Drycleaner Registration Databa A listing of drycleaning facilities.	se Listing
Date of Government Version: 02/01/2019 Date Data Arrived at EDR: 02/27/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Update: 43	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 05/30/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies
ED AQUIF: Edwards Aquifer Permits A listing of permits in the Edwards Aquifer Pr located in the Austin Region (Hays, Travis, a	otection Program database. The information provided is for the counties nd Williamson counties).
Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/25/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 60	Source: Texas Commission on Environmental Quality, Austin Region Telephone: 512-339-2929 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies
ENFORCEMENT: Notice of Violations Listing A listing of permit violations.	
Date of Government Version: 01/25/2019 Date Data Arrived at EDR: 01/29/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 56	Source: Texas Commission on Environmental Quality Telephone: 512-239-6012 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Semi-Annually
Financial Assurance 1: Financial Assurance Inform Financial assurance information.	nation Listing
Date of Government Version: 01/07/2019 Date Data Arrived at EDR: 01/10/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 75	Source: Texas Commission on Environmental Quality Telephone: 512-239-6239 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Varies

### Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 03/04/2019 Date Data Arrived at EDR: 03/27/2019 Date Made Active in Reports: 04/12/2019 Number of Days to Update: 16 Source: Texas Commission on Environmental Quality Telephone: 512-239-0986 Last EDR Contact: 03/27/2019 Next Scheduled EDR Contact: 07/08/2019 Data Release Frequency: Quarterly

### GCC: Groundwater Contamination Cases

Texas Water Code, Section 26.406 requires the annual report to describe the current status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The report is required to contain a description of each case of groundwater contamination documented during the previous calendar year. Also to be included, is a description of each case of contamination documented during previous periods for which voluntary clean up action was incomplete at the time the preceding report was issued. The report is also required to indicate the status of enforcement action for each listed case.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 08/31/2018 Date Made Active in Reports: 09/26/2018 Number of Days to Update: 26 Source: Texas Commission on Environmental Quality Telephone: 512-239-5690 Last EDR Contact: 05/31/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Annually

### IOP: Innocent Owner/Operator Program

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Date of Government Version: 05/02/2019 Date Data Arrived at EDR: 05/07/2019 Date Made Active in Reports: 05/21/2019 Number of Days to Update: 14 Source: Texas Commission on Environmental Quality Telephone: 512-239-5894 Last EDR Contact: 03/26/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Quarterly

### LEAD: Lead Inspection Listing Lead inspection sites

Date of Government Version: 02/19/2019 Date Data Arrived at EDR: 02/22/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 35 Source: Department of State Health Services Telephone: 512-834-6600 Last EDR Contact: 05/15/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Varies

### Ind. Haz Waste: Industrial & Hazardous Waste Database

Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 01/04/2019	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/16/2019	Telephone: 512-239-0985
Date Made Active in Reports: 03/26/2019	Last EDR Contact: 04/17/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/29/2019
	Data Release Frequency: Annually

### MSD: Municipal Settings Designations Database

An MSD is an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not use as potable water, and is prohibited from future use as potatable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Date of Government Version: 01/18/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 65	Source: Texas Commission on Environmental Quality Telephone: 512-239-4982 Last EDR Contact: 04/29/2019 Next Scheduled EDR Contact: 08/12/2019 Data Release Frequency: Varies	
NPDES: NPDES Facility List Permitted wastewater outfalls.		
Date of Government Version: 02/12/2019 Date Data Arrived at EDR: 02/14/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 43	Source: Texas Commission on Environmental Quality Telephone: 512-239-4591 Last EDR Contact: 05/15/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Varies	
RWS: Radioactive Waste Sites Sites in the State of Texas that have been designated as Radioactive Waste sites.		
Date of Government Version: 07/24/2006 Date Data Arrived at EDR: 12/14/2006 Date Made Active in Reports: 01/23/2007 Number of Days to Update: 40	Source: Texas Commission on Environmental Quality Telephone: 512-239-0859 Last EDR Contact: 05/13/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: Semi-Annually	
TIER 2: Tier 2 Chemical Inventory Reports A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.		
Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 06/07/2013 Date Made Active in Reports: 07/22/2013 Number of Days to Update: 45	Source: Department of State Health Services Telephone: 512-834-6603 Last EDR Contact: 05/15/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Annually	
UIC: Underground Injection Wells Database Listing Class V injection wells regulated by the TCEQ. Class V wells are used to inject non-hazardous fluids underground. Most Class V wells are used to dispose of wastes into or above underground sources of drinking water and can pose a threat to ground water quality, if not managed properly.		
Date of Government Version: 01/15/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/29/2019 Number of Days to Update: 71	Source: Texas Commission on Environmental Quality Telephone: 512-239-6627 Last EDR Contact: 04/05/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Varies	
IHW CORR ACTION: IHW CORR ACTION Industrial hazardous waste facilities with corrective actions.		
Date of Government Version: 01/14/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 03/26/2019 Number of Days to Update: 68	Source: Texas Commission on Environmental Quality Telephone: 512-239-5872 Last EDR Contact: 04/01/2019 Next Scheduled EDR Contact: 07/15/2019 Data Release Frequency: Varies	
PST STAGE 2: PST Stage 2 State II Vapor Recovery. Decommissioning of Stage II Rule a?? Gasoline dispensing facilities (GDFs) may begin the process of removing Stage II equipment on May 16, 2014 providing that all other requirements for decommissioning have been met, including appropriate notification.		
Date of Government Version: 01/17/2019 Date Data Arrived at EDR: 01/23/2019 Date Made Active in Reports: 04/11/2019 Number of Days to Lindate: 78	Source: Texas Commission on Environmental Quality Telephone: 512-239-2160 Last EDR Contact: 03/25/2019 Next Scheduled EDR Contact: 07/08/2019	

Next Scheduled EDR Contact: 07/08/2019

Data Release Frequency: Varies

Number of Days to Update: 78

TC5687120.2s Page GR-25

### COMP HIST: Compliance History Listing A listing of compliance histories of regulated entities

Date of Government Version: 11/15/2018 Date Data Arrived at EDR: 11/29/2018 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 71 Source: Txas Commission on Environmental Quality Telephone: 512-239-3282 Last EDR Contact: 05/31/2019 Next Scheduled EDR Contact: 09/09/2019 Data Release Frequency: Varies

### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### **Exclusive Recovered Govt. Archives**

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013	Source: Texas Commission on Environmental Quality Telephone: N/A
Date Made Active in Reports: 12/26/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 178	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Telephone: N/A

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

**COUNTY RECORDS** 

### TRAVIS COUNTY:

HIST UST AUSTIN: Historic Tank Records

A listing of historic records from the City of Austin.

Date of Government Version: 06/25/2012 Date Data Arrived at EDR: 06/29/2012 Date Made Active in Reports: 08/23/2012 Number of Days to Update: 55 Source: Department of Planning & Development Review Telephone: 512-974-2715 Last EDR Contact: 06/03/2019 Next Scheduled EDR Contact: 09/16/2019 Data Release Frequency: Varies

Source: Texas Commission on Environmental Quality

## **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/11/2019 Date Data Arrived at EDR: 02/12/2019 Date Made Active in Reports: 03/04/2019 Number of Days to Update: 20 Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 05/14/2019 Next Scheduled EDR Contact: 08/26/2019 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019 Number of Days to Update: 36	Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 04/10/2019 Next Scheduled EDR Contact: 07/22/2019 Data Release Frequency: Annually
NY MANIFEST: Facility and Manifest Data Manifest is a document that lists and tracks ha facility.	azardous waste from the generator through transporters to a TSD
Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 01/30/2019 Date Made Active in Reports: 02/14/2019 Number of Days to Update: 15	Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 05/01/2019 Next Scheduled EDR Contact: 08/12/2019 Data Release Frequency: Quarterly
PA MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/27/2018 Number of Days to Update: 35	Source: Department of Environmental Protection Telephone: 717-783-8990 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
RI MANIFEST: Manifest information Hazardous waste manifest information	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018 Number of Days to Update: 45	Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 05/17/2019 Next Scheduled EDR Contact: 09/02/2019 Data Release Frequency: Annually
VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.	
Date of Government Version: 01/16/2019 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 02/19/2019 Number of Days to Update: 33	Source: Department of Environmental Conservation Telephone: 802-241-3443 Last EDR Contact: 04/15/2019 Next Scheduled EDR Contact: 07/29/2019 Data Release Frequency: Annually
WI MANIFEST: Manifest Information Hazardous waste manifest information.	
Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/15/2018 Date Made Active in Reports: 07/09/2018 Number of Days to Update: 24	Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 06/10/2019 Next Scheduled EDR Contact: 09/23/2019 Data Release Frequency: Annually
Gases (Miscellaneous)) N = Natural Gas Bundle (Miscellaneous)). This map includes information is provided on a best effort basis and PennWell (	Petrochemicals, Gas Liquids (LPG/NGL), and Specialty (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases copyrighted by PennWell Corporation. This information Corporation does not guarantee its accuracy nor warrant action has been reprinted with the permission of PennWell

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### Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services Telephone: 512-438-3269

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

## STREET AND ADDRESS INFORMATION

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## **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

## TARGET PROPERTY ADDRESS

WHARTON EXTENSION VARIOUS WHARTON, TX 77488

## TARGET PROPERTY COORDINATES

Latitude (North):	29.32572 - 29° 19' 32.59"
Longitude (West):	96.152043 - 96° 9' 7.35"
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	776581.9
UTM Y (Meters):	3247264.5
Elevation:	105 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	5937255 GLEN FLORA, TX
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

### **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

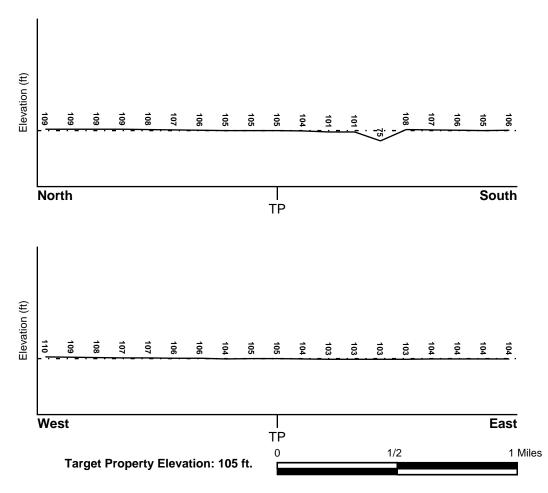
### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
4806520210C	FEMA Q3 Flood data
Additional Panels in search area:	FEMA Source Type
Not Reported	

#### NATIONAL WETLAND INVENTORY

	NWI Electronic
NWI Quad at Target Property	Data Coverage
GLEN FLORA	YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:			
Search Radius:	1.25 miles		
Status:	Not found		

### **AQUIFLOW**®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

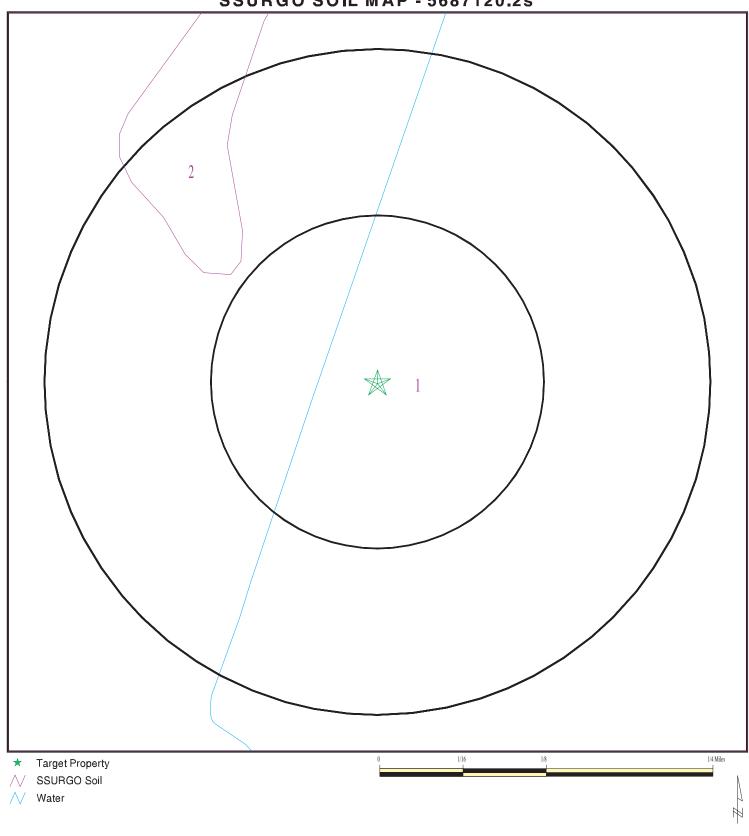
### **ROCK STRATIGRAPHIC UNIT**

### **GEOLOGIC AGE IDENTIFICATION**

Era:	Cenozoic Category:	Stratifed Sequence
System:	Quaternary	
Series:	Holocene	
Code:	Qh (decoded above as Era, System & Series)	

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).





SITE NAME: Wharton Extension	CLIENT: U.S. Army Corps of Engineers
ADDRESS: Various	CONTACT: David Clark
Wharton TX 77488	INQUIRY #: 5687120.2s
LAT/LONG: 29.32572 / 96.152043	DATE: June 18, 2019 10:42 am
	Copyright © 2019 EDR, Inc. © 2015 TomTom Rel. 2015.

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1	
Soil Component Name:	Brazoria
Soil Surface Texture:	clay
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Moderately well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

Soil Layer Information							
	Boui	ndary	ary Classification Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	59 inches	clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4

### Soil Map ID: 2

Soil Component Name:	Norwood
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	9 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

#### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	
		-

No Wells Found

LOCATION FROM TP

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TXMON5000254614	1/4 - 1/2 Mile NNE
2	TXPLU5000099951	1/2 - 1 Mile WSW
A3	TXMON5000140842	1/2 - 1 Mile NNW

### STATE DATABASE WELL INFORMATION

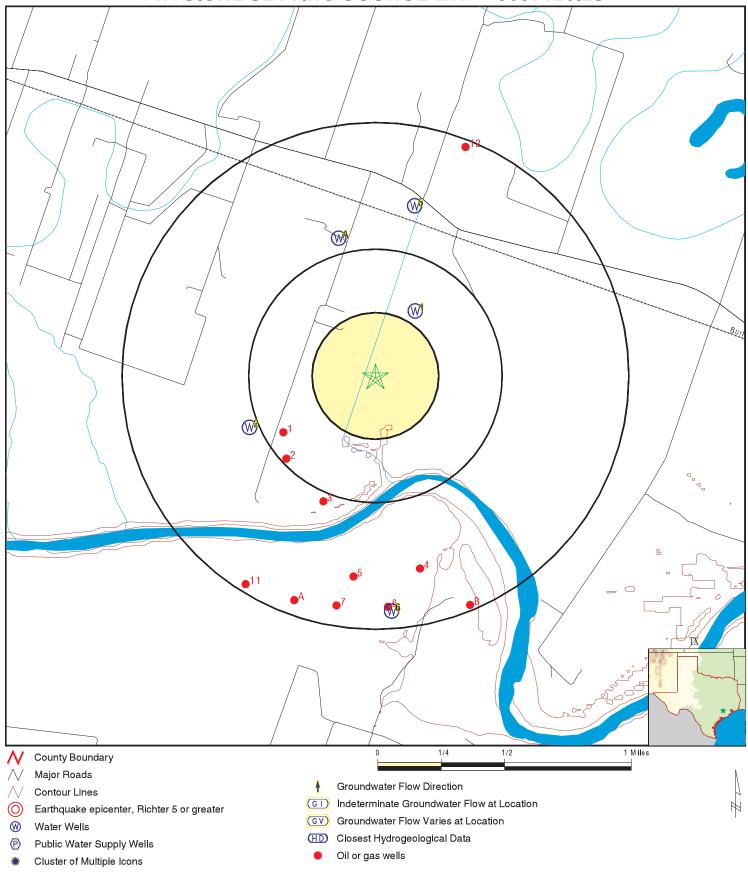
MAP ID	WELL ID	LOCATION FROM TP
A4	TXDOL2000163446	1/2 - 1 Mile NNW
5	TXMON5000423451	1/2 - 1 Mile NNE
6	TXBR30000061338	1/2 - 1 Mile South

### OTHER STATE DATABASE INFORMATION

#### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TXOG70000222343	1/4 - 1/2 Mile WSW
2	TXOG70000222347	1/4 - 1/2 Mile SW
3	TXOG70000222354	1/2 - 1 Mile SSW
4	TXOG70000222359	1/2 - 1 Mile SSE
5	TXOG70000222361	1/2 - 1 Mile South
6	TXOG70000222374	1/2 - 1 Mile South
7	TXOG70000222375	1/2 - 1 Mile South
A8	TXOG70000222366	1/2 - 1 Mile SSW
A9	TXOG70000222376	1/2 - 1 Mile SSW
B10	TXOG70000222367	1/2 - 1 Mile SSE
11	TXOG70000222365	1/2 - 1 Mile SSW
12	TXOG70000222173	1/2 - 1 Mile NNE
B13	TXOG70000222371	1/2 - 1 Mile SSE

### **PHYSICAL SETTING SOURCE MAP - 5687120.2s**



SITE NAME: Wharton Extension	CLIENT: U.S. Army Corps of Engineers
ADDRESS: Various	CONTACT: David Clark
Wharton TX 77488	INQUIRY #: 5687120.2s
LAT/LONG: 29.32572 / 96.152043	DATE: June 18, 2019 10:41 am

Map ID Direction				
Distance Elevation			Database	EDR ID Number
1 NNE 1/4 - 1/2 Mile Higher			TX WELLS	TXMON5000254614
Database:	Submitted Drillers Reports D			
Well Rpt #:	258228	Well Type:	New	Well
Proposed Use:	Domestic	Borehole Depth (ft):	184	
Injurious Water Quality:	no	Plugging Rpt #:	Not F	Reported
Submitted Date:	2011-06-28	Owner Name:	Koeł	nler, Michelle & Clint
Well #:	38	# Wells Drilled:	Not F	Reported
Elevation:	Not Reported	Type of Work:	New	Well
Work Type Desc:	Not Reported	Original Well Rpt Track #	Not F	Reported
Proposed Use:	Domestic	Proposed Use Desc:		Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not F	Reported
Drill Start Date:	2010-12-28	Drill End Date:	2010	-12-29
Seal Method:	Pressure	Seal Method Desc:	Not F	Reported
Dist to Septic/Other Contam:	100+	Distance to Septic Tank:	Not F	Reported
Dist to Property Line:	50+	Distance Verify Meth:	Not F	Reported
Approved by Variance:	Not Reported	Sealed by Driller:	No	
Sealed by Name:	Ondrey Water Well	Surface Completion:	Surfa	ace Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Not F	Reported
Pump Type:	Submersible	Pump Type Desc:	Not F	Reported
Pump Depth:	Not Reported	Chemical Analysis:	No	
Injurious Water:	No	Company Name:	Ondr	ey Water Well Service
Driller Name:	Russell E Ondrey	Comments:	^eo	
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:		Reported
Driller License #:	1703	Apprentice Reg #:	Not F	Reported
Details Reports For:	Well Bore Hole	Diameter:	7.75	
Top Depth:	0	Bottom Depth:	170	
Details Reports For:	Well Bore Hole	Diameter:	3.87	5
Top Depth:	170	Bottom Depth:	180	-
Details Reports For:	Well Drilling Method	Drill Method:	Mud	(Hydraulic) Rotary
Details Reports For:	Well Drilling Method	Drill Method:	Jette	d
Details Reports For:	Well Completion	Borehole Completion:	Unde	er-reamed
Details Reports For:	Well Seal Range	Top Depth:	0	
Bottom Depth:	100	Annular Seal:		ement
Amount:	Not Reported	Unit:	Not F	Reported
Details Reports For:	Well Levels	Measurement:	45	
Measurement Date:	2010-12-29	Artesian Flow:	Not F	Reported
Measurement Method:	Unknown			
Details Reports For:	Well Packers	Migrated Sort #:	1	

Packers: Depth:	2 1/2" x 4" RXL K-Packer 157 Not Reported	,	
Details Reports For: Yield: Hours:	Well Test Not Reported Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Good	Migrated Strata Depth: Bottom Depth:	20 Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 topsoil	Migrated Sort #: Bottom Depth:	0 1
Details Reports For: Top Depth: Lithology:	Well Lithology 1 sand	Migrated Sort #: Bottom Depth:	0 5
Details Reports For: Top Depth: Lithology:	Well Lithology 5 clay	Migrated Sort #: Bottom Depth:	0 30
Details Reports For: Top Depth: Lithology:	Well Lithology 30 sand	Migrated Sort #: Bottom Depth:	0 75
Details Reports For: Top Depth: Lithology:	Well Lithology 75 clay	Migrated Sort #: Bottom Depth:	0 90
Details Reports For: Top Depth: Lithology:	Well Lithology 90 sand	Migrated Sort #: Bottom Depth:	0 95
Details Reports For: Top Depth: Lithology:	Well Lithology 95 clay	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 sand	Migrated Sort #: Bottom Depth:	0 120
Details Reports For: Top Depth: Lithology:	Well Lithology 120 clay	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 sand	Migrated Sort #: Bottom Depth:	0 160

Details Reports For: Top Depth: Lithology:	Well Lithology 160 clay	Migrated Sort #: Bottom Depth:	0 170
Details Reports For: Top Depth:	Well Lithology 170	Migrated Sort #: Bottom Depth:	0 190
Lithology:	sand		
Details Reports For: Top Depth:	Well Casing Not Reported	Migrated Sort #: Bottom Depth:	1 Not Reported
Migrated Casing Info:	4" N PVC Casing 0'-170' Sch 40	Bottom Depth.	Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info:	2 1/2" N PVC Casing 157'-174' So	ch 40	
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	3
Top Depth: Migrated Casing Info:	Not Reported 2 1/2" N 10' Plastic Screen 174'-1	Bottom Depth: 84' 8 gage	Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
2 WSW 1/2 - 1 Mile Lower			TX WELLS TXPLU5000099951
Database:	Submitted Drillers Reports Databa	ase (Plugged)	
Plugging Rpt #:	1355	Well Type:	Withdrawal of Water
Borehole Depth (ft):	200	Well Report #:	Not Reported
Details Reports For:	Plug Data	Submitted Date:	2001-05-17
Owner Name:	CHESAPEAKE OPERATING	Well #:	DAVIS #1
# Wells Plugged:	Not Reported	Elevation:	Not Reported
Original Company Name:	Not Reported	Original Driller:	DAVID BURLESON
Original License #: Original Drill Date:	3039 2000-11-09	Original Well Use:	Withdrawal of Water
Plug Method:	Tremmie pipe bentonite from botto		•
Plug Date:	2001-04-09 BUDI ESON SERVICES INC	Variance #:	
Company Name: Driller License:	BURLESON SERVICES, INC 3039	Plugger Name: Apprentice Reg #:	DAVID BURLESON Not Reported
Comments:	ENTERED BY WLS	Comments:	Not Reported
Details Reports For:	Plug Bore Hole	Diameter:	7.75
Top Depth:	Not Reported	Bottom Depth:	200
	-	·	

Details Reports For: Bottom Depth:	Plug Casing 160	Top Depth: Diameter:	0 4	
Details Reports For: Bottom Depth:	Plug Range 200	Top Depth: Plug Seal:	0 23	
Amount:	Not Reported	Unit:	Not Reported	
A3 NNW 1/2 - 1 Mile Higher		тх м	WELLS TXMON5000140842	
Database:	Submitted Drillers Reports Da	atabase (Monitoring)		
Well Rpt #:	143155	Well Type:	New Well	
Proposed Use:	Domestic	Borehole Depth (ft):	270	
Injurious Water Quality:	no	Plugging Rpt #:	Not Reported	
Submitted Date:	2008-05-30	Owner Name:	ERMA NELSON	
Well #:	Not Reported	# Wells Drilled:	Not Reported	
Elevation:	Not Reported	Type of Work:	New Well	
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported	
Proposed Use:	Domestic	Proposed Use Desc:	Not Reported	
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported	
Drill Start Date:	2008-03-21	Drill End Date:	2008-03-22	
Seal Method:	Other - HAND MIX	Seal Method Desc:	HAND MIX	
Dist to Septic/Other Contam:	140	Distance to Septic Tank:	Not Reported	
Dist to Property Line:	135	Distance Verify Meth:	MEASURING TAPE	
Approved by Variance:	Not Reported	Sealed by Driller:	Yes	
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed	
Surf Complete Desc:	Not Reported	Completed by Driller:	Not Reported	
Pump Type:	Not Reported	Pump Type Desc:	Not Reported	
Pump Depth:	Not Reported	Chemical Analysis:	No	
Injurious Water:	No	Chemical Analysis.	NO	
Company Name:		L SERVICE & DRILLING, L.L.C. Comments:	Net Demented	
Driller Name:	Carlton Utesey		Not Reported	
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported	
Driller License #:	4313	Apprentice Reg #:	56930	
Details Reports For:	Well Bore Hole	Diameter:	7.5	
Top Depth:	0	Bottom Depth:	270	
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary	
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall	
Details Reports For:	Well Seal Range	Top Depth:	-1	
Bottom Depth:	3	Annular Seal:	2 CEMENT	
Amount:	Not Reported	Unit:	Not Reported	
Details Reports For:	Well Seal Range	Top Depth:	3	
Bottom Depth:	10	Annular Seal:	6 BENTONITE	
Amount:	Not Reported	Unit:	Not Reported	

Details Reports For: Measurement Date: Measurement Method:	Well Levels 2008-03-22 Unknown	Measurement: Artesian Flow:	41 Not Reported
Details Reports For: Packers:	Well Packers 1 SHALE TRAP 20'	Migrated Sort #: Depth:	1 Not Reported
Details Reports For: Packers:	Well Packers 1 SHALE TRAP 76'	Migrated Sort #: Depth:	2 Not Reported
Details Reports For: Packers:	Well Packers 1 SHALE TRAP 136'	Migrated Sort #: Depth:	3 Not Reported
Details Reports For: Packers:	Well Packers 1 SHALE TRAP 176'	Migrated Sort #: Depth:	4 Not Reported
Details Reports For: Packers:	Well Packers 1 SHALE TRAP 216'	Migrated Sort #: Depth:	5 Not Reported
Details Reports For: Packers:	Well Packers 1 SHALE TRAP 234'	Migrated Sort #: Depth:	6 Not Reported
Details Reports For: Yield: Hours:	Well Test 100 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata Not Reported Not Reported	Migrated Strata Depth: Bottom Depth:	236' - 254' Not Reported
Details Reports For: Top Depth: Lithology:	Well Lithology 0 TOPSOIL	Migrated Sort #: Bottom Depth:	0 2
Details Reports For: Top Depth: Lithology:	Well Lithology 2 BLACK CLAY	Migrated Sort #: Bottom Depth:	0 10
Details Reports For: Top Depth: Lithology:	Well Lithology 10 GRAY CLAY	Migrated Sort #: Bottom Depth:	0 21
Details Reports For: Top Depth: Lithology:	Well Lithology 21 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 26
Details Reports For: Top Depth: Lithology:	Well Lithology 26 COURSE BR. SAND & GRAVEL	Migrated Sort #: Bottom Depth:	0 40

Details Reports For: Top Depth: Lithology:	Well Lithology 40 MEDIUM BROWN SAND & CLAY	Migrated Sort #: Bottom Depth:	0 67
Details Reports For: Top Depth: Lithology:	Well Lithology 67 ROCK	Migrated Sort #: Bottom Depth:	0 68
Details Reports For: Top Depth: Lithology:	Well Lithology 68 MED.BR. SAND & SANDSTONE	Migrated Sort #: Bottom Depth:	0 78
Details Reports For: Top Depth: Lithology:	Well Lithology 78 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 110
Details Reports For: Top Depth: Lithology:	Well Lithology 110 FINE BROWN SAND	Migrated Sort #: Bottom Depth:	0 130
Details Reports For: Top Depth: Lithology:	Well Lithology 130 ROCK	Migrated Sort #: Bottom Depth:	0 130
Details Reports For: Top Depth: Lithology:	Well Lithology 130 FINE BROWN SAND & CLAY	Migrated Sort #: Bottom Depth:	0 140
Details Reports For: Top Depth: Lithology:	Well Lithology 140 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 COURSE BROWN SAND	Migrated Sort #: Bottom Depth:	0 170
Details Reports For: Top Depth: Lithology:	Well Lithology 170 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 190
Details Reports For: Top Depth: Lithology:	Well Lithology 190 VERY COURSE BROWN SAND	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Lithology:	Well Lithology 200 BROWN CLAY	Migrated Sort #: Bottom Depth:	0 240
Details Reports For: Top Depth:	Well Lithology 240	Migrated Sort #: Bottom Depth:	0 250

_ithology:	MEDIUM BROWN SAND		
Details Reports For: Fop Depth: _ithology:	Well Lithology 250 VERY HARD ROCK	Migrated Sort #: Bottom Depth:	0 260
Details Reports For:	Well Lithology	Migrated Sort #:	0
Fop Depth: _ithology:	260 SAND	Bottom Depth:	260
Details Reports For:	Well Lithology	Migrated Sort #:	0
Fop Depth: _ithology:	260 BROWN CLAY	Bottom Depth:	270
Details Reports For:	Well Lithology	Migrated Sort #:	0
Fop Depth: _ithology:	270 ROCK	Bottom Depth:	270
Details Reports For:	Well Lithology	Migrated Sort #:	0
Fop Depth: _ithology:	270 VERY COURSE BROWN SA	Bottom Depth: ND	270
Details Reports For:	Well Casing	Migrated Sort #:	1
Fop Depth: Migrated Casing Info:	Not Reported 4" NEW SCH. 40 PVC CASIN	Bottom Depth: NG +2 - 240'	Not Reported
Diameter:	Not Reported	Casing Status:	Not Reported
Casing Material: Schedule:	Not Reported Not Reported	Casing Type: Gauge:	Not Reported Not Reported
Details Reports For:	Well Casing	Migrated Sort #:	2
Top Depth:	Not Reported	Bottom Depth:	Not Reported
Migrated Casing Info: Diameter:	4" NEW SCH. 40 PVC SLOT Not Reported	TED 240' - 254' .008 Casing Status:	Not Reported
Casing Material:	Not Reported	Casing Status: Casing Type:	Not Reported
Schedule:	Not Reported	Gauge:	Not Reported
	ινοι κεροπεα	Gauge.	

NNW 1/2 - 1 Mile Higher

Database:	Well Report Database	Fid:	163445
Rec id:	163435	Edr site i:	143155
Owner:	ERMA NELSON	Ownerwell:	No Data
Address:	338 CR. 241, WHARTON , TX 77488	Grid:	66-47-3
Waddress:	338 CR. 241, WHARTON , TX 77488	Lat:	29 20 01 N
County:	Wharton	Long:	096 09 16 W
Elevation:	No Data	Gpsused:	MAGELLAN MERIDIAN GOLD
Typeofwork:	New Well	Propuse:	Domestic
Sdate:	Not Reported	Completedd:	Not Reported
Diameter:	7 1/2 in From Surface To 270 ft	Dmethod:	Mud Rotary
Bcompletio:	Straight Wall	Packedfrom:	Not Reported
Packsize:	Not Reported		

Finterval: Sinterval: Tinterval: Cementedby: Propertyli: Varriance: Staticleve: Flow: Cementinwe: Pumpbowl: Yield: Watertype: Chemicalma: Companynam: Companyadd: Licensenum: Dsignature: Comments:

From +1 ft to 3 ft with 2 CEMENT (#sacks and material) From 3 ft to 10 ft with 6 BENTONITE (#sacks and material) No Data Usedmethod: CARLTON UTESEY Contaminat: 135 ft Verrimetho: No Data Surface: 41 ft. below land surface on 3/22/2008 No Data Packers: No Data Typepump: Not Reported Welltests: 100 GPM with (No Data) ft drawdown after (No Data) hours No Data Stratadept: No Undesirabl: C & S UTESEY WATER WELL SERVICE & DRILLING, L.L.C. 1101 N. WELLS Ccitystate: 4313 Wsignature: REBECCA UTESEY Regnum: no data Site id:

HAND MIX 140 ft MEASURING TAPE Surface Sleeve Installed

1 SHALE TRAP 20 No Data Jetted

236 - 254 ft. No

EDNA , TX 77957 CARLTON UTESEY 56930 TXDOL2000163446

#### TX WELLS TXMON5000423451

NNE 1/2 - 1 Mile Higher

5

0			
Database:	Submitted Drillers Reports Database	(Monitoring)	
Well Rpt #:	431799	Well Type:	New Well
Proposed Use:	Domestic	Borehole Depth (ft):	205
Injurious Water Quality:	no	Plugging Rpt #:	Not Reported
			·
Submitted Date:	2016-09-14	Owner Name:	Nilson, Robert
Well #:	Not Reported	# Wells Drilled:	1
Elevation:	Not Reported	Type of Work:	New Well
Work Type Desc:	Not Reported	Original Well Rpt Track #:	Not Reported
Proposed Use:	Domestic	Proposed Use Desc:	Not Reported
TCEQ Approved Plans:	Not Reported	PWS #:	Not Reported
Drill Start Date:	2016-09-12	Drill End Date:	2016-09-13
Seal Method:	Tremie	Seal Method Desc:	Not Reported
Dist to Septic/Other Contam:	100	Distance to Septic Tank:	Not Reported
Dist to Property Line:	100+	Distance Verify Meth:	Measuring Tape
Approved by Variance:	Not Reported	Sealed by Driller:	Yes
Sealed by Name:	Not Reported	Surface Completion:	Surface Sleeve Installed
Surf Complete Desc:	Not Reported	Completed by Driller:	Yes
Pump Type:	Not Reported	Pump Type Desc:	Not Reported
Pump Depth:	Not Reported	Chemical Analysis:	No
Injurious Water:	No	Company Name:	Goolsby Water Well Service LLC
Driller Name:	Ryan Heath Goolsby	Comments:	reg. cbgcd 7/28/16
Plugged within 48 hrs:	No	Plugging Rpt Tracking #:	Not Reported
Driller License #:	5002	Apprentice Reg #:	Not Reported
Details Reports For:	Well Bore Hole	Diameter:	7
Top Depth:	0	Bottom Depth:	210
тор Берш.	0	Bottom Depth.	210
Details Reports For:	Well Drilling Method	Drill Method:	Mud (Hydraulic) Rotary
Details Reports For:	Well Completion	Borehole Completion:	Straight Wall
·	·	·	-

Details Reports For:	Well Seal Range	Top Depth:	0
Bottom Depth:	20	Annular Seal:	Cement
Amount:	3	Unit:	Bags/Sacks
Details Reports For:	Well Seal Range	Top Depth:	20
Bottom Depth:	100	Annular Seal:	Concrete
Amount:	10	Unit:	Bags/Sacks
Details Reports For: Measurement Date: Measurement Method:	Well Levels 2016-09-13 Steel Tape	Measurement: Artesian Flow:	57 Not Reported
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported 203
Packers:	Other - Wash Valve	Depth:	
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported
Packers:	Rubber	Depth:	100
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported
Packers:	Rubber	Depth:	165
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported
Packers:	Rubber	Depth:	185
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported 203
Packers:	Other - Wash Valve	Depth:	
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported
Packers:	Rubber	Depth:	100
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported
Packers:	Rubber	Depth:	165
Details Reports For:	Well Packers	Migrated Sort #:	Not Reported
Packers:	Rubber	Depth:	185
Details Reports For: Yield: Hours:	Well Test 80 Not Reported	Test Type: Drawdown:	Jetted Not Reported
Details Reports For: Top Depth: Water Type:	Well Strata 190 Good	Migrated Strata Depth: Bottom Depth:	Not Reported 200
Details Reports For: Top Depth: Lithology:	Well Lithology 0 Clay	Migrated Sort #: Bottom Depth:	0 43

Details Reports For: Top Depth: Lithology:	Well Lithology 43 Sand	Migrated Sort #: Bottom Depth:	0 52
Details Reports For: Top Depth: Lithology:	Well Lithology 52 Clay	Migrated Sort #: Bottom Depth:	0 58
Details Reports For: Top Depth: Lithology:	Well Lithology 58 Sand	Migrated Sort #: Bottom Depth:	0 78
Details Reports For: Top Depth: Lithology:	Well Lithology 78 Clay	Migrated Sort #: Bottom Depth:	0 130
Details Reports For: Top Depth: Lithology:	Well Lithology 130 Sand	Migrated Sort #: Bottom Depth:	0 160
Details Reports For: Top Depth: Lithology:	Well Lithology 160 Clay	Migrated Sort #: Bottom Depth:	0 170
Details Reports For: Top Depth: Lithology:	Well Lithology 170 Sand	Migrated Sort #: Bottom Depth:	0 180
Details Reports For: Top Depth: Lithology:	Well Lithology 180 Clay	Migrated Sort #: Bottom Depth:	0 190
Details Reports For: Top Depth: Lithology:	Well Lithology 190 Sand	Migrated Sort #: Bottom Depth:	0 200
Details Reports For: Top Depth: Lithology:	Well Lithology 200 Clay	Migrated Sort #: Bottom Depth:	0 210
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing -2 Not Reported New Blank Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	0 190 4 Plastic (PVC) 40
Details Reports For: Top Depth: Migrated Casing Info: Casing Status:	Well Casing 190 Not Reported New	Migrated Sort #: Bottom Depth: Diameter: Casing Material:	0 200 4 Plastic (PVC)

Casing Type: Gauge:	Screen 0.01	Schedule:	40
Details Reports For: Top Depth: Migrated Casing Info: Casing Status: Casing Type: Gauge:	Well Casing 200 Not Reported New Blank Not Reported	Migrated Sort #: Bottom Depth: Diameter: Casing Material: Schedule:	0 210 4 Plastic (PVC) 40
6 South I/2 - 1 Mile			TX WELLS TXBR300000613

### 9 1/2 - 1 Mile Higher

Database: Well ID:

Total Hole Depth (ft):

Well Bottom Elevation:

Kelly Bushing Height:

Locating Agency:

Elevation Method:

Elevation Date:

### 338

Brackish Resources Ac	uifer Characterization System Database
66924	Data Source:
5900	Total Well Depth:
-99999	Drill Date:
12	Well Type:
INT	Elevation:
D	Elevation Agency:
20161115	

INTERA Gulf Coast Brackish -99999 0 Oil or Gas 105 TWDB

Direction Distance			Database	EDR ID Number
I				
NSW //4 - 1/2 Mile			OIL_GAS	TXOG7000022234
Surface ID:	192536	Well ID:	01078	
Current Well #: Radioactive:	1 Not Reported	API #: Side Track:	424810107 Not Report	
Well Type:	Dry Hole			
2 5W /4 - 1/2 Mile			OIL_GAS	TXOG7000022234
Surface ID:	192553	Well ID:	33537	
Current Well #: Radioactive:	1 Not Reported	API #: Side Track:	424813353 Not Report	
Well Type:	Dry Hole			
3 SSW 1/2 - 1 Mile			OIL_GAS	TXOG7000022235
Surface ID:	1099277	Well ID:	34589	
Current Well #: Radioactive:	1 Not Reported	API #: Side Track:	424813458 Not Report	
Well Type:	Plugged Oil/Gas Well	Side Hack.	Not Kepon	leu
4 SSE			OIL_GAS	TXOG7000022235
/2 - 1 Mile Surface ID:	1069176	Well ID:	34342	
Current Well #:	3	API #:	424813434	42DW
Radioactive: Well Type:	Not Reported Gas Well	Side Track:	DW	
Current Well #:	3	API #:	424813434	42D1
Radioactive: Well Type:	Not Reported Oil/Gas Well	Side Track:	D1	
5 South //2 - 1 Mile			OIL_GAS	TXOG7000022236
Surface ID:	192363	Well ID:	32140	
Current Well #:	4	API #:	424813214	
Radioactive:	Not Reported	Side Track	Not Report	hat

API #: Side Track:

Well Type:	Dry Hole		
6 South 1/2 - 1 Mile			OIL_GAS TXOG70000222374
Surface ID: Current Well #: Radioactive: Well Type:	192374 3 Not Reported Plugged Gas Well	Well ID: API #: Side Track:	32039 4248132039 Not Reported
7 South I/2 - 1 Mile			OIL_GAS TXOG70000222375
Surface ID: Current Well #: Radioactive: Well Type:	192380 A1 Not Reported Plugged Oil Well	Well ID: API #: Side Track:	01094 4248101094 Not Reported
A8 SSW /2 - 1 Mile			OIL_GAS TXOG70000222366
Surface ID: Current Well #: Radioactive: Well Type:	192379 5 Not Reported Plugged Oil Well	Well ID: API #: Side Track:	Not Reported 42481 Not Reported
\9 \SW /2 - 1 Mile			OIL_GAS TXOG70000222376
Surface ID: Current Well #: Radioactive: Well Type:	192499 1 Not Reported Plugged Oil/Gas Well	Well ID: API #: Side Track:	31859 4248131859D1 D1
310 SE /2 - 1 Mile			OIL_GAS TXOG70000222367
Surface ID: Current Well #: Radioactive: Well Type:	192548 1 Not Reported Drv Hole	Well ID: API #: Side Track:	33734 4248133734 Not Reported

Well Type:

Dry Hole

Map ID Direction Distance			Database	EDR ID Number
11 SSW 1/2 - 1 Mile			OIL_GAS	TXOG70000222365
Surface ID: Current Well #: Radioactive: Well Type:	192376 Not Reported Not Reported Oil/Gas Well	Well ID: API #: Side Track:	Not Report 42481 Not Report	
12 NNE 1/2 - 1 Mile			OIL_GAS	TXOG70000222173
Surface ID: Current Well #: Radioactive: Well Type:	1050762 1 Not Reported Dry Hole	Well ID: API #: Side Track:	34184 424813418 Not Report	
B13 SSE 1/2 - 1 Mile			OIL_GAS	TXOG70000222371
Surface ID: Current Well #: Radioactive: Well Type:	1110767 4 Not Reported Canceled Location	Well ID: API #: Side Track:	32142 424813214 Not Report	

### AREA RADON INFORMATION

State Database: TX Radon

Radon Test Results

County	Mean	Total Sites	%>4 pCi/L	%>20 pCi/L	Min pCi/L	Max pCi/L
WHARTON	<.5	4	.0	.0	<.5	1.9

### Federal EPA Radon Zone for WHARTON County: 3

Note: Zone 1 indoor average level > 4 pCi/L. : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L. : Zone 3 indoor average level < 2 pCi/L.

### Federal Area Radon Information for WHARTON COUNTY, TX

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Texas General Land Office Telephone: 512-463-0745

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water Supply Sources Databases Source: Texas Commission on Environmental Quality Telephone: 512-239-6199 Locations of public drinking water sources maintained by the TCEQ.

Groundwater Database Source: Texas Water Development Board Telephone: 512-936-0837

Well Report Database Source: Department of Licensing and Regulation Telephone: 512-936-0833

Water Well Database Source: Harris-Galveston Coastal Subsidence District Telephone: 281-486-1105

Brackish Resources Aquifer Characterization System Database

Source: Texas Water Development Board

WDB's Brackish Resources Aquifer Characterization System (BRACS) was designed to map and characterize the brackish aquifers of Texas in greater detail than previous studies. The information is contained in the BRACS Database and project data are summarized in a project report with companion geographic information system data files.

Submitted Driller's Reports Database

Source: Texas Water Development Board

Telephone: 512-936-0833

The Submitted Driller's Report Database is populated from the online Texas Well Report Submission and Retrieval System which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports.

#### OTHER STATE DATABASE INFORMATION

Texas Oil and Gas Wells Source: Texas Railroad Commission Telephone: 512-463-6882 Oil and gas well locations.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### RADON

State Database: TX Radon Source: Department of Health Telephone: 512-834-6688 Rinal Report of the Texas Indoor Radon Survey

Area Radon Information Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

#### STREET AND ADDRESS INFORMATION

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# Wharton Extension

Various Wharton, TX 77488

Inquiry Number: 5687120.8 June 19, 2019

# The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

# EDR Aerial Photo Decade Package

### Site Name:

### Client Name:

06/19/19

Wharton Extension Various Wharton, TX 77488 EDR Inquiry # 5687120.8 U.S. Army Corps of Engineers 819 Taylor Street Fort Worth, TX 76102-0300 Contact: David Clark



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:				
Year	Scale	Details	Source	
2016	1"=500'	Flight Year: 2016	USDA/NAIP	
2012	1"=500'	Flight Year: 2012	USDA/NAIP	
2008	1"=500'	Flight Year: 2008	USDA/NAIP	
2005	1"=500'	Flight Year: 2005	USDA/NAIP	
1995	1"=500'	Acquisition Date: February 05, 1995	USGS/DOQQ	
1982	1"=500'	Flight Date: January 01, 1982	USGS	
1972	1"=500'	Flight Date: January 01, 1972	USGS	
1962	1"=500'	Flight Date: January 01, 1962	ASCS	
1953	1"=500'	Flight Date: January 01, 1953	USGS	
1951	1"=500'	Flight Date: January 01, 1951	USGS	

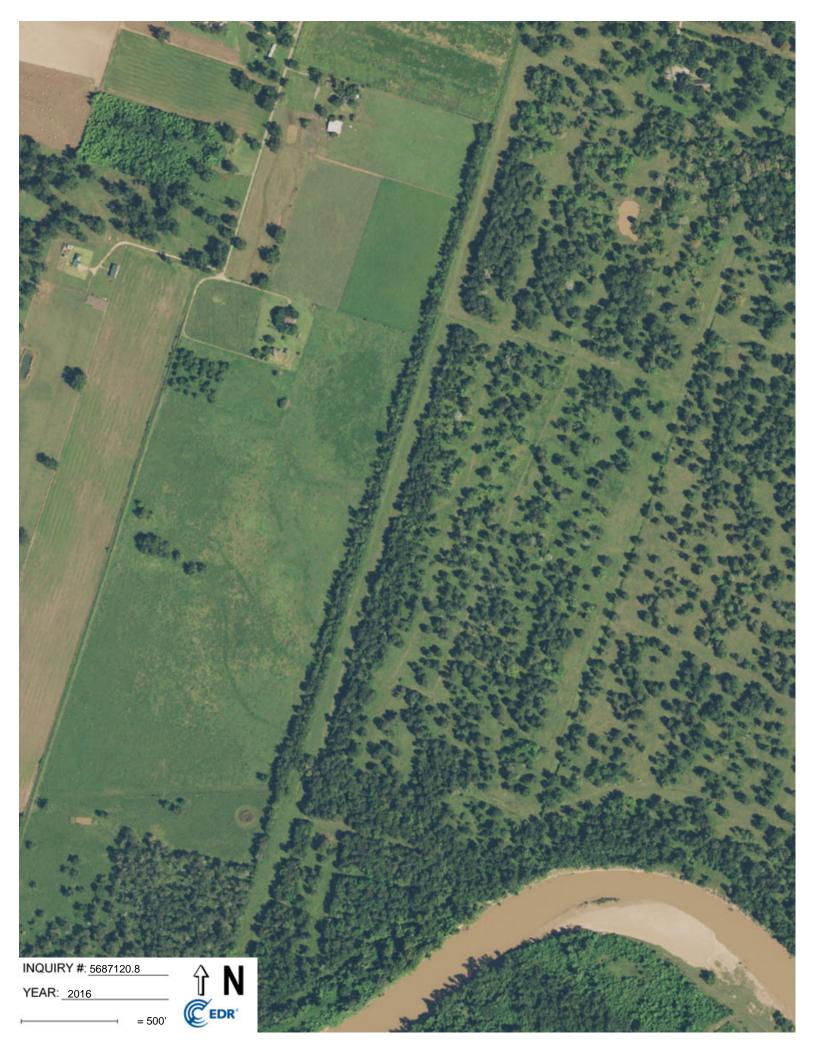
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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Wharton Extension Various Wharton, TX 77488

Inquiry Number: 5687120.4 June 18, 2019

# EDR Historical Topo Map Report with QuadMatch™



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

#### Site Name:

Various

Wharton Extension

Wharton, TX 77488

EDR Inquiry # 5687120.4

#### **Client Name:**

U.S. Army Corps of Engineers 819 Taylor Street

06/18/19

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by U.S. Army Corps of Engineers were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Fort Worth, TX 76102-0300

Contact: David Clark

Search Res	ults:	Coordinates:	
P.O.#	NA	Latitude:	29.32572 29° 19' 33" North
Project:	Wharton extension	Longitude:	-96.152043 -96° 9' 7" West
-		UTM Zone:	Zone 14 North
		UTM X Meters:	776576.39
		UTM Y Meters:	3247441.84
		Elevation:	105.00' above sea level
Maps Provid	ded:		

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### **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

#### 2013 Source Sheets



Glen Flora 2013 7.5-minute, 24000

#### **1980 Source Sheets**



Glen Flora 1980 7.5-minute, 24000 Aerial Photo Revised 1977

#### **1953 Source Sheets**

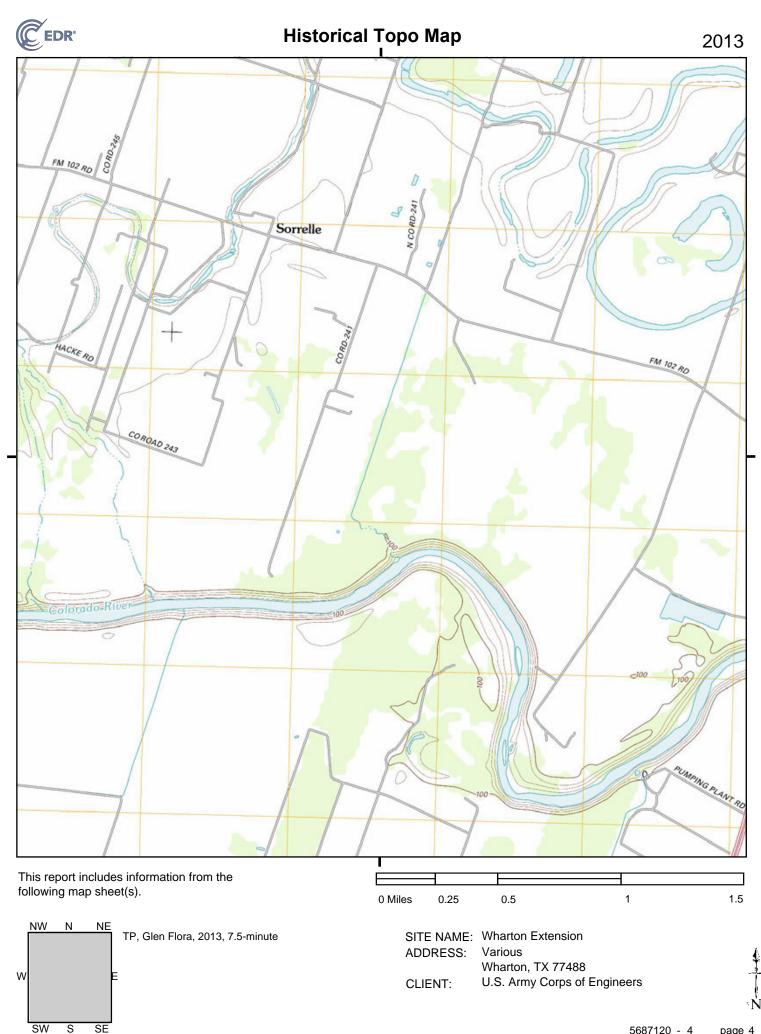


Glen Flora 1953 7.5-minute, 24000 Aerial Photo Revised 1951

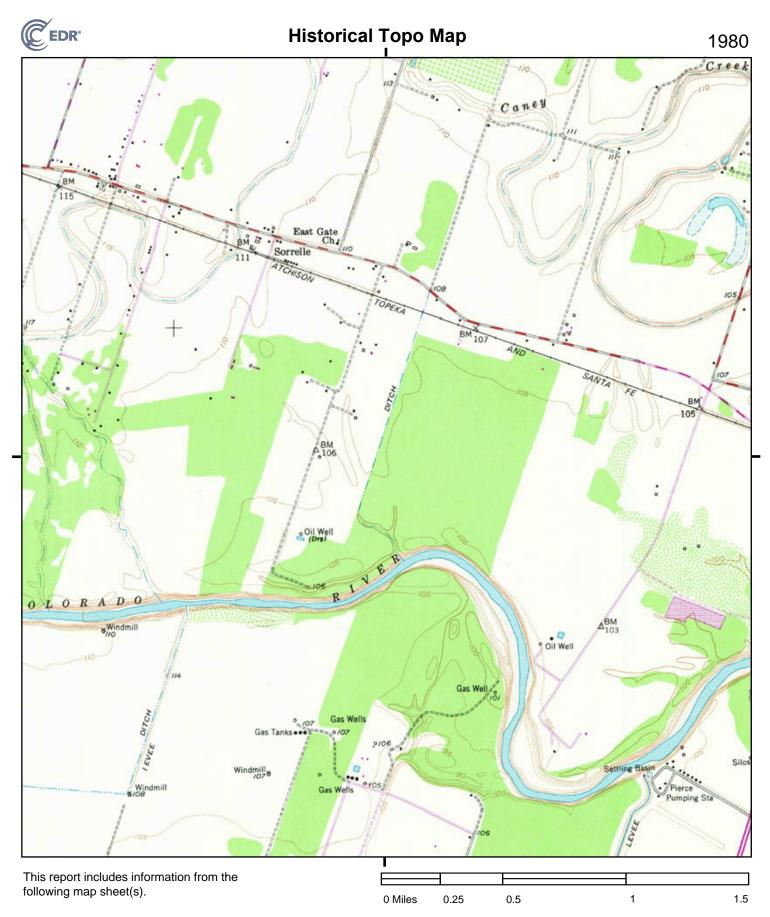
#### **1929 Source Sheets**

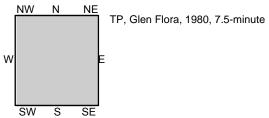


WHARTON 1929 30-minute, 125000

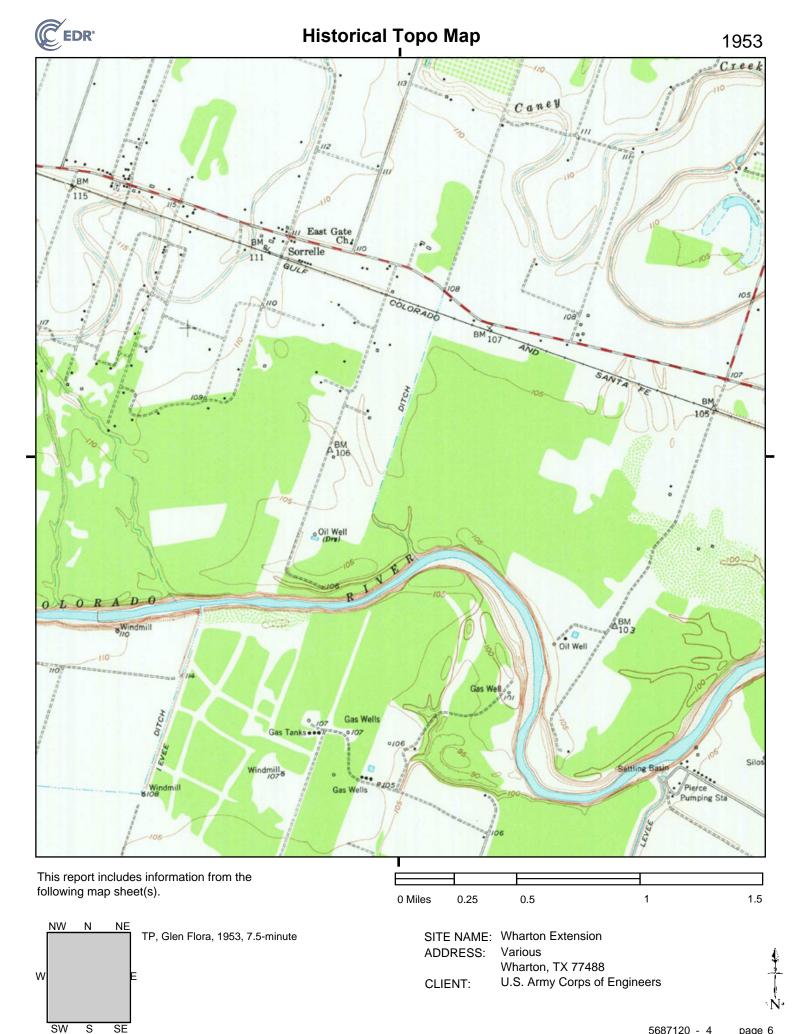


5687120 - 4 page 4





SITE NAME:	Wharton Extension
ADDRESS:	Various
	Wharton, TX 77488
CLIENT:	U.S. Army Corps of Engineers

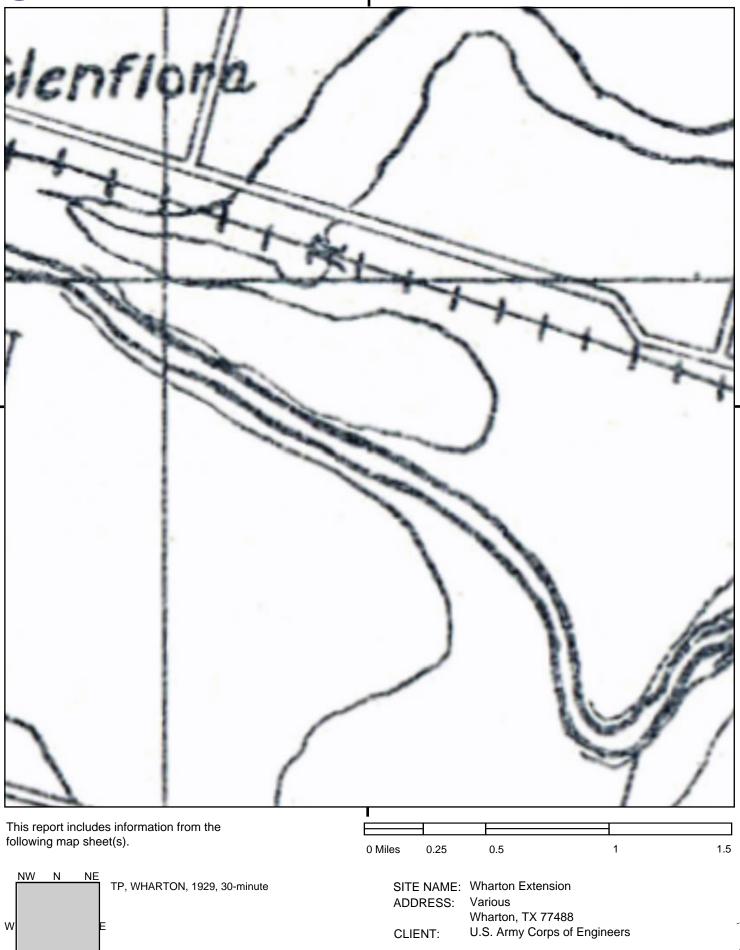




SW

S

SE



# Appendix B – Farmland Conversion Impact Rating Form AD-1006



June 26, 2020

Natural Resources Conservation Service

State Office

101 S. Main Street Temple, TX 76501 Voice 254.742.9800 Fax 254.742.9819

A Company and the second s	orps of Engineers @USACE.ARMY.MIL
Attention:	Danny Allen, Wildlife Biologist, via email
Subject:	LNU-Farmland Protection Proposed Wharton Flood Protection Project NEPA/FPPA Evaluation Wharton County, Texas

We have reviewed the information provided in your correspondence dated June 1, 2020 concerning the proposed flood protection improvements project located in Wharton County, Texas. This review is part of the National Environmental Policy Act (NEPA) evaluation for the U.S. Army Corps of Engineers (USACE). We have evaluated the proposed site as required by the Farmland Protection Policy Act (FPPA).

The proposed sites were analyzed independently as corridor (levee extension projects) and non-corridor (sump) activities.

The proposed Colorado River Levee Extension and Baughman Slough Levee Extension corridors involve areas of Prime Farmland and we have completed the Farmland Conversion Impact Rating for Corridor Type Projects form (NRCS-CPA-106) for the sites. The Land Evaluation and Site Assessment (LESA) ratings of the sites are **104** and **85**, respectively.

The proposed Baughman Slough Sump site contains areas of Prime Farmland and we have completed the Farmland Conversion Impact Rating form (AD-1006) for the proposed site. The LESA rating of the site is **114**.

The FPPA law states that sites with a rating less than 160 will need no further consideration for protection and no additional evaluation is necessary. We encourage the use of accepted erosion control methods during the construction of this project.

If you have further questions, please contact me at 254.742.9836 or by email at Carlos. Villarreal@usda.gov (Preferred).

Sincerely,

Date: Carbendlanen 2020.06.26 12:15:35 -05'00'

USDA is an Equal Opportunity Provider, Employer, and Lender



Carlos J. Villarreal NRCS Soil Scientist

Attachment:

AD-1006 – Baughman Slough Sump NRCS-CPA-106 – Baughman Slough Levee Extension NRCS-CPA-106 – Colorado River Levee Extension

F	U.S. Departme	5		ATING				
PART I (To be completed by Federal Agen	cy)	Date O	f Land Evaluation	Request				
Name of Project		Federal Agency Involved						
Proposed Land Use		County and State						
PART II (To be completed by NRCS)		Date R	equest Received	Ву	Person C	Person Completing Form:		
Does the site contain Prime, Unique, Statewide or Local Important Farmland?           (If no, the FPPA does not apply - do not complete additional parts of this form)			YES NO	Acres Irrigated Average Fa			Farm Size	
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %			Amount of Acres:	Farmland As %	L Defined in FP	'PA	
Name of Land Evaluation System Used	Name of State or Local S	Site Asses	ssment System	Date Land	Evaluation R	eturned by NF	RCS	
PART III (To be completed by Federal Age	PART III (To be completed by Federal Agency)			Site A		Site Rating	Cito D	
A. Total Acres To Be Converted Directly				Site A	Site B	Site C	Site D	
B. Total Acres To Be Converted Indirectly							-	
C. Total Acres In Site								
PART IV (To be completed by NRCS) Lan	d Evaluation Information							
A. Total Acres Prime And Unique Farmland								
B. Total Acres Statewide Important or Loca								
C. Percentage Of Farmland in County Or Lo	ocal Govt. Unit To Be Converted							
D. Percentage Of Farmland in Govt. Jurisdi	ction With Same Or Higher Relati	ive Value						
PART V (To be completed by NRCS) Land Relative Value of Farmland To Be C		s)						
<b>PART VI</b> (To be completed by Federal Age (Criteria are explained in 7 CFR 658.5 b. For		CPA-106	) Maximum Points (15)	Site A	Site B	Site C	Site D	
1. Area In Non-urban Use			(13)				-	
2. Perimeter In Non-urban Use			(10)					
3. Percent Of Site Being Farmed	-		(20)					
4. Protection Provided By State and Local	Government		(20)				-	
5. Distance From Urban Built-up Area			(15)				-	
6. Distance To Urban Support Services	•		(10)					
7. Size Of Present Farm Unit Compared To	o Average		(10)				-	
8. Creation Of Non-farmable Farmland			(10)					
9. Availability Of Farm Support Services			(20)					
10. On-Farm Investments	t Canicaa		(10)					
11. Effects Of Conversion On Farm Suppor			(10)					
12. Compatibility With Existing Agricultural TOTAL SITE ASSESSMENT POINTS	Use		160					
PART VII (To be completed by Federal A	Inconcid						-	
Relative Value Of Farmland (From Part V)	(gency)		100				-	
Total Site Assessment (From Part VI above	or local site assessment)		160					
TOTAL POINTS (Total of above 2 lines)			260				-	
Site Selected:	Date Of Selection				al Site Asses	sment Used?		
Reason For Selection:				I				

#### STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

- Step 1 Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, <a href="http://fppa.nrcs.usda.gov/lesa/">http://fppa.nrcs.usda.gov/lesa/</a>.
- Step 2 Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s) of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at <a href="http://offices.usda.gov/scripts/ndISAPI.dll/oip\_public/USA\_map">http://offices.usda.gov/scripts/ndISAPI.dll/oip\_public/USA\_map</a>, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)
- Step 3 NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.
- Step 4 For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.
- Step 5 NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.
- Step 6 The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.
- Step 7 The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

#### INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM (For Federal Agency)

**Part I**: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

- 1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
- 2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.
- Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).
- 1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.
- 2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

**Part VII:** In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160. Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

 $\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \times 160 = 144 \text{ points for Site A}$ 

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

#### FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency)			3. Date of Land Evaluation Request 4. Sheet of					of	
1. Name of Project			5. Federal Agency Involved						
2. Type of Project			6. Coun	ty and State					
PART II (To be completed by NR	CS)		1. Date F	Request Received by	/ NRCS	2. Perso	son Completing Form		
<ol> <li>Does the corridor contain prime, unio (If no, the FPPA does not apply - Do</li> </ol>			```	YES NO	]	4. Acres	Irrigated Average	Farm Size	
5. Major Crop(s)		6. Farmable Land	-	nment Jurisdiction		7. Amour	nt of Farmland As D	efined in FPPA	
		Acres:		%		Acres	5	%	
8. Name Of Land Evaluation System U	lsed	9. Name of Local	I Site Asse			10. Date	Land Evaluation Re		
PART III (To be completed by Fe	deral Agency)			Alternati Corridor A	1	idor For S idor B	Segment Corridor C	Corridor D	
A. Total Acres To Be Converted Dire	ectly							1	
B. Total Acres To Be Converted India	rectly, Or To Receive	Services						1	
C. Total Acres In Corridor									
PART IV (To be completed by N	RCS) Land Evaluati	ion Information							
A. Total Acres Prime And Unique Fa	armland								
B. Total Acres Statewide And Local	Important Farmland								
C. Percentage Of Farmland in Cour	nty Or Local Govt. Uni	t To Be Converted	t k						
D. Percentage Of Farmland in Govt.	Jurisdiction With Same	e Or Higher Relativ	ve Value						
PART V (To be completed by NRCS	·		Relative						
value of Farmland to Be Serviced of		í							
PART VI (To be completed by Fed Assessment Criteria (These criter			Maximum Points						
1. Area in Nonurban Use			15						
2. Perimeter in Nonurban Use			10						
3. Percent Of Corridor Being Far	rmed		20						
4. Protection Provided By State	And Local Government	t	20						
5. Size of Present Farm Unit Cor	mpared To Average		10						
6. Creation Of Nonfarmable Farm	mland		25						
7. Availablility Of Farm Support S	Services		5						
8. On-Farm Investments			20						
9. Effects Of Conversion On Far	m Support Services		25						
10. Compatibility With Existing Ag	gricultural Use		10						
TOTAL CORRIDOR ASSESSME	ENT POINTS		160						
PART VII (To be completed by Fe	deral Agency)								
Relative Value Of Farmland (From			100						
Total Corridor Assessment (From I assessment)	Part VI above or a loca	Il site	160						
TOTAL POINTS (Total of above	e 2 lines)		260						
1. Corridor Selected:	<ol> <li>Total Acres of Farm Converted by Proje</li> </ol>	1.5	. Date Of S	Selection:	4. Was	A Local Si YES <b>[</b>	te Assessment Use	₽d?	

5. Reason For Selection:

NOTE: Complete a form for each segment with more than one Alternate Corridor

NRCS-CPA-106

(Rev. 1-91)

DATE

#### **CORRIDOR - TYPE SITE ASSESSMENT CRITERIA**

The following criteria are to be used for projects that have a linear or corridor - type site configuration connecting two distant points, and crossing several different tracts of land. These include utility lines, highways, railroads, stream improvements, and flood control systems. Federal agencies are to assess the suitability of each corridor - type site or design alternative for protection as farmland along with the land evaluation information.

(1) How much land is in nonurban use within a radius of 1.0 mile from where the project is intended?
 More than 90 percent - 15 points
 90 to 20 percent - 14 to 1 point(s)
 Less than 20 percent - 0 points

(2) How much of the perimeter of the site borders on land in nonurban use?
 More than 90 percent - 10 points
 90 to 20 percent - 9 to 1 point(s)
 Less than 20 percent - 0 points

(3) How much of the site has been farmed (managed for a scheduled harvest or timber activity) more than five of the last 10 years?

More than 90 percent - 20 points 90 to 20 percent - 19 to 1 point(s) Less than 20 percent - 0 points

(4) Is the site subject to state or unit of local government policies or programs to protect farmland or covered by private programs to protect farmland?
Site is protected - 20 points

Site is not protected - 0 points

(5) Is the farm unit(s) containing the site (before the project) as large as the average - size farming unit in the County ? (Average farm sizes in each county are available from the NRCS field offices in each state. Data are from the latest available Census of Agriculture, Acreage or Farm Units in Operation with \$1,000 or more in sales.) As large or larger - 10 points

Below average - deduct 1 point for each 5 percent below the average, down to 0 points if 50 percent or more below average - 9 to 0 points

(6) If the site is chosen for the project, how much of the remaining land on the farm will become non-farmable because of interference with land patterns?

Acreage equal to more than 25 percent of acres directly converted by the project - 25 points Acreage equal to between 25 and 5 percent of the acres directly converted by the project - 1 to 24 point(s) Acreage equal to less than 5 percent of the acres directly converted by the project - 0 points

(7) Does the site have available adequate supply of farm support services and markets, i.e., farm suppliers, equipment dealers, processing and storage facilities and farmer's markets?
 All required services are available - 5 points
 Some required services are available - 4 to 1 point(s)
 No required services are available - 0 points

(8) Does the site have substantial and well-maintained on-farm investments such as barns, other storage building, fruit trees and vines, field terraces, drainage, irrigation, waterways, or other soil and water conservation measures? High amount of on-farm investment - 20 points Moderate amount of on-farm investment - 19 to 1 point(s) No on-farm investment - 0 points

(9) Would the project at this site, by converting farmland to nonagricultural use, reduce the demand for farm support services so as to jeopardize the continued existence of these support services and thus, the viability of the farms remaining in the area? Substantial reduction in demand for support services if the site is converted - 25 points Some reduction in demand for support services if the site is converted - 1 to 24 point(s) No significant reduction in demand for support services if the site is converted - 0 points

(10) Is the kind and intensity of the proposed use of the site sufficiently incompatible with agriculture that it is likely to contribute to the eventual conversion of surrounding farmland to nonagricultural use? Proposed project is incompatible to existing agricultural use of surrounding farmland - 10 points Proposed project is tolerable to existing agricultural use of surrounding farmland - 9 to 1 point(s) Proposed project is fully compatible with existing agricultural use of surrounding farmland - 0 points

#### FARMLAND CONVERSION IMPACT RATING FOR CORRIDOR TYPE PROJECTS

PART I (To be completed by Federal Agency)			3. Date of Land Evaluation Request 4. Sheet of					of	
1. Name of Project			5. Federal Agency Involved						
2. Type of Project			6. Coun	ty and State					
PART II (To be completed by NR	CS)		1. Date F	Request Received by	/ NRCS	2. Perso	son Completing Form		
<ol> <li>Does the corridor contain prime, unio (If no, the FPPA does not apply - Do</li> </ol>		•	```	YES NO	]	4. Acres	Irrigated Average	Farm Size	
5. Major Crop(s)		6. Farmable Land	-	nment Jurisdiction		7. Amour	nt of Farmland As D	efined in FPPA	
		Acres:		%		Acres	5	%	
8. Name Of Land Evaluation System U	lsed	9. Name of Local	I Site Asse			10. Date	Land Evaluation Re		
PART III (To be completed by Fe	deral Agency)			Alternati Corridor A	1	idor For S idor B	Segment Corridor C	Corridor D	
A. Total Acres To Be Converted Dire	ectly							1	
B. Total Acres To Be Converted India	rectly, Or To Receive S	Services						1	
C. Total Acres In Corridor									
PART IV (To be completed by N	RCS) Land Evaluati	ion Information							
A. Total Acres Prime And Unique Fa	armland								
B. Total Acres Statewide And Local	Important Farmland								
C. Percentage Of Farmland in Cour	nty Or Local Govt. Uni	t To Be Converted	t k						
D. Percentage Of Farmland in Govt.	Jurisdiction With Same	e Or Higher Relativ	ve Value						
PART V (To be completed by NRCS	·		Relative						
value of Farmland to Be Serviced of		í							
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3. Percent Of Corridor Being Far	rmed		20						
4. Protection Provided By State	And Local Government	t	20						
5. Size of Present Farm Unit Cor	mpared To Average		10						
6. Creation Of Nonfarmable Farm	mland		25						
7. Availablility Of Farm Support S	Services		5						
8. On-Farm Investments			20						
9. Effects Of Conversion On Far	m Support Services		25						
10. Compatibility With Existing Ag	gricultural Use		10						
TOTAL CORRIDOR ASSESSME	ENT POINTS		160						
PART VII (To be completed by Fe	deral Agency)								
Relative Value Of Farmland (From			100						
Total Corridor Assessment (From I assessment)	Part VI above or a loca	Il site	160						
TOTAL POINTS (Total of above	e 2 lines)		260						
1. Corridor Selected:	<ol> <li>Total Acres of Farm Converted by Proje</li> </ol>	1.5	5. Date Of S	Selection:	4. Was	A Local Si YES <b>[</b>	te Assessment Use	₽d?	

5. Reason For Selection:

NOTE: Complete a form for each segment with more than one Alternate Corridor

NRCS-CPA-106

(Rev. 1-91)

DATE

#### **CORRIDOR - TYPE SITE ASSESSMENT CRITERIA**

The following criteria are to be used for projects that have a linear or corridor - type site configuration connecting two distant points, and crossing several different tracts of land. These include utility lines, highways, railroads, stream improvements, and flood control systems. Federal agencies are to assess the suitability of each corridor - type site or design alternative for protection as farmland along with the land evaluation information.

(1) How much land is in nonurban use within a radius of 1.0 mile from where the project is intended?
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 Less than 20 percent - 0 points

(2) How much of the perimeter of the site borders on land in nonurban use?
 More than 90 percent - 10 points
 90 to 20 percent - 9 to 1 point(s)
 Less than 20 percent - 0 points

(3) How much of the site has been farmed (managed for a scheduled harvest or timber activity) more than five of the last 10 years?

More than 90 percent - 20 points 90 to 20 percent - 19 to 1 point(s) Less than 20 percent - 0 points

(4) Is the site subject to state or unit of local government policies or programs to protect farmland or covered by private programs to protect farmland?
Site is protected - 20 points

Site is not protected - 0 points

(5) Is the farm unit(s) containing the site (before the project) as large as the average - size farming unit in the County ? (Average farm sizes in each county are available from the NRCS field offices in each state. Data are from the latest available Census of Agriculture, Acreage or Farm Units in Operation with \$1,000 or more in sales.) As large or larger - 10 points

Below average - deduct 1 point for each 5 percent below the average, down to 0 points if 50 percent or more below average - 9 to 0 points

(6) If the site is chosen for the project, how much of the remaining land on the farm will become non-farmable because of interference with land patterns?

Acreage equal to more than 25 percent of acres directly converted by the project - 25 points Acreage equal to between 25 and 5 percent of the acres directly converted by the project - 1 to 24 point(s) Acreage equal to less than 5 percent of the acres directly converted by the project - 0 points

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 All required services are available - 5 points
 Some required services are available - 4 to 1 point(s)
 No required services are available - 0 points

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(10) Is the kind and intensity of the proposed use of the site sufficiently incompatible with agriculture that it is likely to contribute to the eventual conversion of surrounding farmland to nonagricultural use? Proposed project is incompatible to existing agricultural use of surrounding farmland - 10 points Proposed project is tolerable to existing agricultural use of surrounding farmland - 9 to 1 point(s) Proposed project is fully compatible with existing agricultural use of surrounding farmland - 0 points

# Appendix C – Baughman Slough Mussel Survey Report

# Wharton County Flood Control Baughman Slough Mussel Survey Findings

Field Notes By Charrish Stevens

U.S. Fish and Wildlife Service Texas Coastal Ecological Services Field Office Houston, Texas

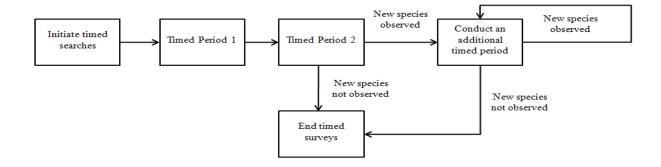
October 3, 2019

#### Introduction

The U.S. Army Corps of Engineers (COE) is coordinating with the U.S. Fish and Wildlife Service (Service) and Texas Parks and Wildlife Department (TPWD) to determine if there are any state and/or federal species of concern within the Colorado River Flood Control Project – Wharton, Wharton County, Texas, which includes Baughman Slough. The area under review is a tributary to the Colorado River basin and is home to two federal candidate freshwater mussels: Texas pimpleback (*Cyclonaias* petrina) and Texas fawnsfoot (*Truncilla* macrodon). To confirm the presence/absence of any species of concern, the Service conducted a freshwater mussel survey with TPWD and COE on October 3, 2019 in Baughman Slough, Texas.

#### Methods

Mussel abundance and species richness was assessed by using the timed search method (Metcalfe-Smith, 2000). Timed-searches consisted of searching for mussels for  $\geq 1$  person-hour (p-h) within a stream segment of approximately 150 square meters (m<sup>2</sup>) (Metcalfe-Smith, 2000). Surveyors visually and tactilely searched for mussels within a segment, covering all habitats (bank to bank) within the search area. Once the first p-h was complete, mussels were gather and placed into a mesh bag and submerged back in the stream. Surveyors then performed another 1 p-h search within the same location. If upon the second p-h a new mussel species was detected, an additional p-h was added. This process continued until no new species were observed were observed (Figure 1). However, if no species were collected in first p-h, an additional p-h was added to search area to account for any species that may have been over looked and to obtain a minimum of 2 p-h per site surveyed. We established 5 x 30-m segments approximately 100 meters (m) upstream/downstream of bridge crossing to search for mussels at sites that contained water. If no water or poor water quality was present, a wetted perimeter search was conducted to capture species richness at identified sites (Figure 2).



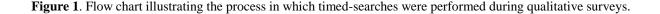




Figure 2. Proposed sites for freshwater mussel surveys in Baughman Slough for Wharton County Flood Control Project.

Results

Site-1

This is the only site where timed searches were conducted. A total of three species of mussels, 34 live and several recent dead, were collected during two, one person-hour timed searches. The following freshwater mussels were found live and dead at site-1: Texas Lilliput (*Toxolasma texasense*), Lilliput (*T. parvus*), and Pondhorn (*Uniomerus tetralasmus*).





Pictures of Site-1 (Photo credit to TPWD).





Pictures above are mussels collected at Site-1. Picture to the right shows at bottom left, Lilliput; top center, Texas Lilliput; and bottom right, Pondhorn (Photo credit to TPWD).

#### Site-2

This site had no water, so no timed searches were conducted. However, we did do a visual search of dried area where water was and found a Tapered pondhorn (*Uniomerus* declivis) recent dead shell (see in picture below, Photo credit to TPWD).





#### Site -3

This site was not accessible do to private fencing crossing the upstream and downstream limits of site. In addition, there was little to no water present. Therefore, site was not surveyed.

#### Site-4

This site was not surveyed do to questionable water quality (See site pictures below). However, we did assess wetted perimeter of site and a small shallow pool under bridge for presence of freshwater mussels. Live pondhorn and tapered pondhorn were found under the bridge and recent dead shell of three new

species were found: yellow sandshell (*Lampsilis teres*), Giant floater (*Pygandon grandis*), and paper pondshell (*Utterbackia imbecillis*). See mussel pictures below.





Site-4 pictures upstream of bridge to bridge (Photo credit to TPWD).



Mussels from Site-4: Pondhorn (top left), Texas lilliput (bottom left), tapered pondhon (center), paper pondshell (top right), and giant floater (bottom right) (Photo Credit to TPWD).



Picture of a yellow sandshell (Photo Credit to TPWD).

#### Discussion

In total, there were seven species of freshwater mussels observed and 38 live mussels collected across four sites surveyed in Baughman Slough (see Table 1). No state listed or federal species of concern were found. It appears this system is a more intermittent stream with perennial pools than it is a perennial stream. Historically, the area surrounding this system has been used for agricultural and farming purposed and continues to be used as such. Do to the pressures from farm and agriculture use, this system no longer operates in a natural state. It serves more as a storm water conveyance than as a natural stream. Even though this system flows into the Lower Colorado River, a river known to support federal candidate freshwater mussels, the Baughman Slough does not support any rare species at the sites that is under review.

Species		Site-1	Site-2	Site-3		Site-4
Yellow sandshell						Recent Dead Shell
Giant floater						<b>Recent Dead Shell</b>
Lilliput	7 Live	Recent Dead Shell				
Texas Lilliput	27 Live	Recent Dead Shell				
Pondhorn	2 Live	Recent Dead Shell			1 Live	Recent Dead Shell
Tapered pondhorn			Recent Dead Shell		1 Live	Recent Dead Shell
Paper pondshell						Recent Dead Shell

Table 1. Mussel species c	ollected at Baughman	Slough and numbe	r collected for each	site during timed searches.
The second	8			8

#### **Recommended Conservation Measures**

The Service recommends that any channel modifications proposed for the flood water management project take place during drier months to minimize sedimentation threats to mussels (*see* BMP attachment) and that riparian restoration with native trees takes place to offset impacts to stream impacts and stabilize banks. In addition, the Service also recommends that the applicant work closely with TPWD for proper management of state aquatic resources (i.e., Aquatic Resource Relocation Plan/Permit).

#### References Cited:

Metcalfe-Smith, J. L., J. Di Maio, S. K. Station, and G. L. Macki. 2000. Effect of sampling effort on the efficiency of the timed search method for sampling freshwater mussel communities. J. N. Am. Bentholo. Soc., 19(4):725–732.

#### BEST MANAGEMENT PRACTICES FOR PROJECTS AFFECTING RIVERS, STREAMS AND TRIBUTARIES

The project crosses or potentially affects river, stream or tributary aquatic habitat. Therefore the Service recommends implementing the following applicable Best Management Practices:

- 1. Construct stream crossings during a period of low streamflow (e.g., July September);
- 2. Cross streams, stream banks and riparian zones at right angles and at gentle slopes;
- 3. When feasible, directionally bore under stream channels;
- 4. Disturb riparian and floodplain vegetation only when necessary;
- 5. Construction equipment should cross the stream at one confined location over an existing bridge, equipment pads, clean temporary native rock fill, or over a temporary portable bridge;
- 6. Limit in-stream equipment use to that needed to construct crossings;
- 7. Place trench spoil at least 25 feet away landward from streambanks;
- 8. Use sediment filter devices to prevent movement of spoil off right-of-way when standing or flowing water is present;
- 9. Trench de-watering, as necessary, should be conducted to prevent discharge of silt laden water into the stream channel;
- 10. Maintain the current contours of the bank and channel bottom;
- 11. Do not store hazardous materials, chemicals, fuels, lubricating oils, and other such substances within 100 feet of streambanks;
- 12. Refuel construction equipment at least 100 feet from streambanks;
- 13. Revegetate all disturbed areas as soon as possible after construction to prevent unnecessary soil erosion. Use only native riparian plants to help prevent the spread of exotics;
- 14. Maintain sediment filters at the base of all slopes located adjacent to the streams until right-ofway vegetation becomes established;
- 15. Maintain a vegetative filtration strip adjacent to streams and wetlands. The width of a filter strip is based on the slope of the banks and the width of the stream. Guidance to determine the appropriate filter strip (stream management zone, SMZ) width is provided below; and
- 16. Direct water runoff into vegetated areas.

BEST MANAGEMENT PRACTICES FOR PROJECTS AFFECTINGRIVERS, STREAMS AND TRIBUTARIES. Document prepared by the U.S. Fish and Wildlife Service, Oklahoma Ecological Services Field Office, 9014 East 21st Street, Tulsa, Oklahoma 74129-1428. For the most recent information visit our website, http://www.fws.gov/southwest/es/oklahoma/default.htm, write, or call (918) 581-7458. 1/24/2007

#### **SMZ WIDTH**

SMZ widths should consider watershed characteristics, risk of erosion, soil type, and stream width. SMZ widths are measured from the top of each bank and established on each side of the stream. Erosion risk is increased with sandy soil, steep slopes, large watersheds and increasing stream widths. Recommended primary (refers to ephemeral streams) and secondary SMZ (refers to intermittent, braided, and perennial streams, lakes, and ponds) widths are provided in the table below.

Stream Width (Feet)	Slope (Percent)	Primary SMZ (Feet)	Secondary SMZ (Feet)
< 20	< 7	35	0
< 20	7-20	35	50
< 20	> 20	Top of slope or 150	75
20-50	< 7	50	0
20-50	7-20	50	50
20-50	> 20	Top of slope or 150	75
> 50	< 7	Width of stream or 100 max.	0
> 50	7-20	Width of stream or 100 max.	50
> 50	> 20	Top of slope or 150	75

#### PERMIT REQUIREMENTS

A permit may be required from the U.S. Army Corps of Engineers should fill material be placed in wetlands or other waters of the United States. Should such a permit be required, the BMP's contained in this enclosure, as well as other conservation provisions, may become permit conditions. Additional permit requirements may apply, depending upon the nature of individual projects.

#### DEFINITIONS

*Perennial* streams have a well defined channel and flow year-round, except during periods of extreme drought.

Intermittent streams have a seasonal flow and a continuous well-defined channel.

*Ephemeral* streams flow during and for a few hours or days after periods of heavy rain and the stream channel is less recognizable than either perennial or intermittent streams.

Braided streams are stream systems with multiple and frequently interconnected channels.

Wetlands generally support hydrophytic vegetation, hydric soils and wetland hydrology.

#### **Literature Cited**

Arkansas Forestry Commission. 2001. Draft Arkansas Forestry Best Management Practices for Water Quality Protection.

BEST MANAGEMENT PRACTICES FOR PROJECTS AFFECTINGRIVERS, STREAMS AND TRIBUTARIES. Document prepared by the U.S. Fish and Wildlife Service, Oklahoma Ecological Services Field Office, 9014 East 21st Street, Tulsa, Oklahoma 74129-1428. For the most recent information visit our website, http://www.fws.gov/southwest/es/oklahoma/default.htm, write, or call (918) 581-7458. 1/24/2007

# Appendix D – Wharton Biological Assessment

# BIOLOGICAL ASSESSMENT FOR THE LOWER COLORADO RIVER BASIN PHASE I – WHARTON, WHARTON, TEXAS

(NOTE: This page intentionally left blank.)

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# **1.0 INTRODUCTION**

### **1.1 Purpose of the Biological Assessment**

This Biological Assessment (BA) is being prepared to fulfill the U.S. Army Corps of Engineers' (USACE) requirements as outlined under Section 7(c) of the Endangered Species Act (ESA) of 1973, as amended. The proposed Federal action (project) requiring the assessment is the Wharton Flood Risk Management (FRM) project in Wharton County, Texas. An Interim Feasibility Report and Integrated Environmental Impact Statement (IFR/IEIS) was prepared for the project and the Finding of No Significant Impact was signed on 10 October 2006 (USACE. 2006). During the Preconstruction, Engineering, and Design (PED) phase of the project, design changes to the levee system are required to account for site conditions and a more hydrology/hydraulics and geotechnical detailed analysis. A Supplemental EIS is being prepared to assess the potential impacts of these design changes and to update any potential changes to other environmental conditions, including an assessment of potential impacts to species listed on the updated threatened and endangered species list. A summary of the details of the proposed project are provided in Section 1.2; and specific design details are provide in the Design Plans provided in Appendix A. This BA evaluates the potential impacts the project may federally listed threatened and endangered species that are listed by the U.S. Fish and Wildlife Service (USFWS, 2019) and is being prepared to assist USFWS personnel in fulfilling their obligations under the ESA. Table 1 presents a list of federally listed threatened and endangered species that are addressed in this BA, as provided by USFWS.

Common Name	Scientific Name	Status	
Birds			
Least Tern	Sterna antillarum	Endangered	
Piping Plover	Charadrius melodus	Threatened	
Red Knot	Calidris canutus rufa	Threatened	
Whooping Crane	Grus americana	Endangered	
Mollusks			
Smooth pimpleback	Quadrula houstonensis	Candidate	
Texas pimpleback	Cyclonaias petrina	Candidate	
Texas fawnsfoot	Truncilla macrodon	Candidate	

Table 1. Threatened and Endangered Wildlife Species of possible occurrence in Wharton County, Texas

For the purposes of the BA, we define the "project area" as those areas that will be directly affected by construction and maintenance of the proposed project. These areas are described in Section 1.2 and include in the plan sheets provided in Appendix A.

The "study area" includes a larger area for which environmental effects of the proposed project have been analyzed (Figure 1). The study area encompasses a larger area that contains the smaller project area.

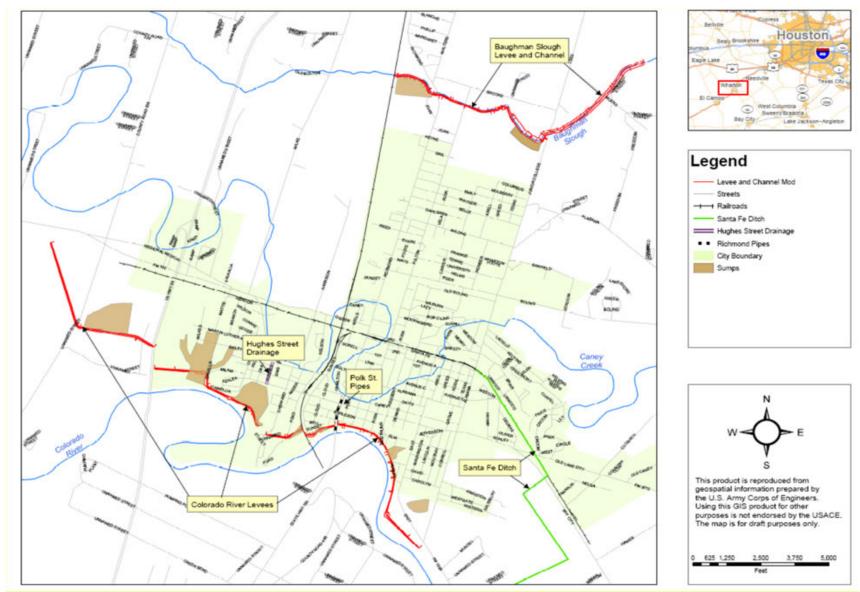


Figure 1. City map of Wharton with study areas delineated

### **1.2 Proposed Action**

This section discusses the design changes detailed in the 100% plan sheets provided in Appendix A and the Supplemental EIS being prepared by USACE. The No-Action Alternative always remains an alternative to the proposed action and the design changes is considered the Action Alternative. The purpose of the proposed project is to reduce the flood risk to the city of Wharton by the construction of a series of earthen levees and accompanying sumps, floodwalls, a channel enlargement, storm drain type drainage structures, and an open cut ditch (Figure 1). A summary of the design changes to the Colorado and Baughman Slough structural flood risk elements (Action Alternative) is discussed below.

### 1.2.1 Wharton Levee - Colorado River Segment

Design changes to the Colorado River Segment of the levee system include a 2.5 mile levee extension on the western end of the original levee system design proposed in the 2006 IFR/IEIS (Figure 2.) The levee extension is required to the levee into high ground to ensure that the function of the levee is maintained.

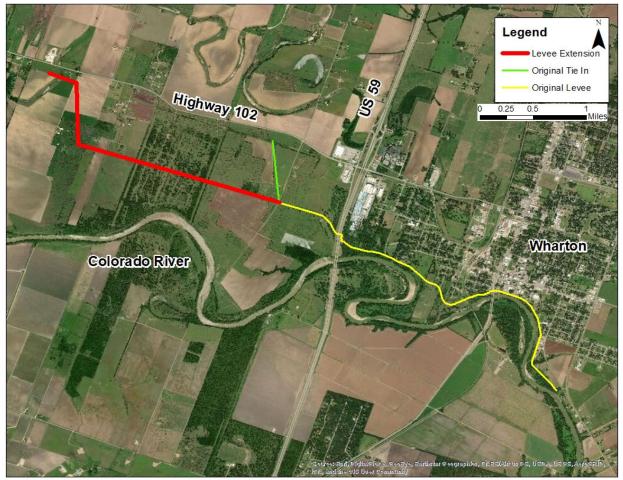


Figure 2. Location of the levee extension of the Wharton levee.

The levee design proposed in the 2006 IFR/IEIS included Colorado River outfall structures from the Vineyard and Harrison sumps. The outfall structures will have a headwall with parallel

wings with 24-inch rock riprap extending into the river. The Vineyard Sump entails the placement of rock riprap along 80-feet of the Colorado River shoreline extending approximately 50 feet into the river. The Harrison Sump outfall structure entails the excavation of the river bank approximately 250 feet landward placing a headwall at the newly forms cut into the bank. Rock riprap would extend along the excavated section of the outfall and approximately 30 feet into the existing aquatic habitat. Riprap would be placed along 40 feet of the Colorado River shoreline.

During the surveying of the project site, three locations of slope failure were identified along the river that require stabilization. Two of these areas would be stabilized with turf reinforced mat with 24-inch rock riprap placed at the base while the remaining site would be stabilized with the turf mat alone. Similar to the riprap of the outfall structures, the riprap for the erosion control would extend approximately 50 feet into the Colorado River; however, the riprap would only be placed along 10 to 25 feet of the shoreline.

The locations, descriptions, and plan sheet numbers for the design changes to the Colorado section of the levee system are provided in Table 2.

Station	Structure	Shoreline Length	Rock Riprap Volume	Design Plan Sheets (Appendix A)
20+12	Vineyard Sump Outfall Structure	72'	448 cy	CF-125, CG-105, CU- 102
39+31	Harrison Sump Outfall Structure	40'	250 cy	CF-127, CG-106, CU- 103
26+00	Erosion Repair	25'	448 cy	CF 109, CG-105
30+50	Erosion Repair	10'	91 cy	CF-109, CG-105
6+00	Erosion Repair	-	-	CF-114, CG-108

Table 2: Design Changes for the Wharton Levee - Colorado River Segment

## 1.2.2 Baughman Slough Levee

Baughman Slough is located on the north side of Wharton. The Baughman Slough Levee and Sumps were evaluated in the 2006 IFR/IEIS. The levee system included the construction of a levees and floodwalls along Baughman Slough and the channelization of the slough at the downstream end of the project (Figure 3). The three to four foot high earthen levees will have a top width of 12 feet, with 1:3.5 side slopes with side slopes of 1 foot vertical to 3.5 feet horizontal.

The lower reaches of Baughman Slough require channel modifications to convey floodwaters. The earthen channel modifications would result in a grass-lined trapezoidal channel with a bottom width of 75 feet and 1:3.5 foot side slopes. Average depth of the flood channel is estimated to approach 4 feet with a bank-full low flow channel to convey normal flows. The channel improvements were addressed in the IFR/IEIS and more details on the Baughman Slough levee/channel improvements and their impacts can be found in the report.

The length and location of the levees and channelization documented in the IFR/IEIS are provided in Table 3.

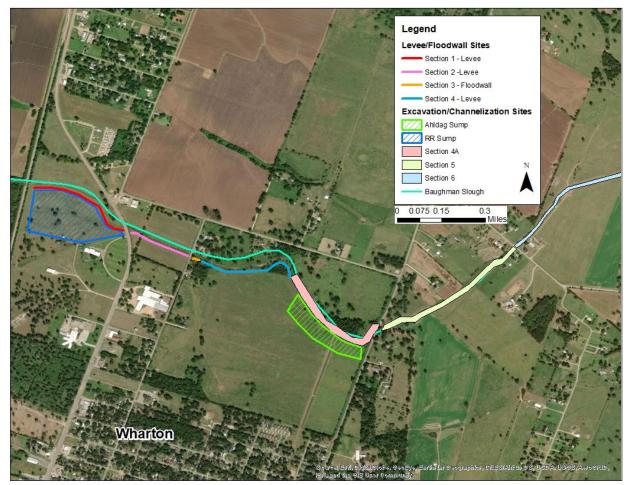


Figure 3. Baughman Slough Levee, Sump, and Channel Improvements as Evaluated in the 2006 IFR/IEIS.

Reach Name	Start Location	End Location	Reach Description
Section 1	0+00	19+80	Levee from abandoned RR embankment to Richmond Street along Baughman Slough
Section 2	19+80	30+40	Levee from Richmond Street to Fulton Street
Section 3	30+50	34+30	Floodwall from Fulton Street to past the home east of Fulton and south of Baughman Slough
Section 4	34+30	70+00	Levee from flood wall to Junior College Blvd.
Section 4A	49+50	70+00	75 foot bottom modified channel begins. Continuation of levee from station 49+50
Section 5	1+20	27+80	75 foot modified channel from Junior College Blvd. to County Road 150
Section 6	27+80	49+00	75 foot modified channel from County Road 150 to end

Table 3: Recommended Plan Baughman Slough Segments

## 1.2.3 Baughman Slough Channel

During PED, the proposed Baughman Slough design required modification resulting from more detailed Hydrology and Hydraulics (H&H) analysis. The Section 1 Levee and the RR sump would be relocated and extended/expanded to the south of the original alignment. The new levee would maintain the geometry of the original levee but would now extend approximately 4,600 feet from the terminus of the Section 2 Levee at 19+80. A map of the levee and sump modifications are provide in Figure 4.

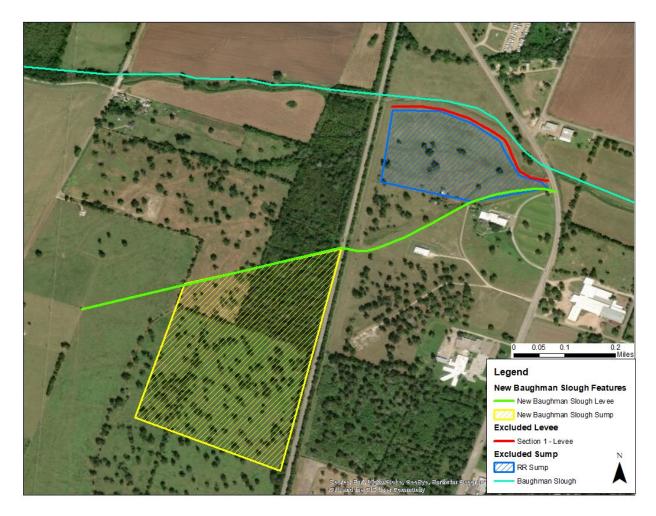


Figure 4. Baughman Slough Levee and Channel Design Changes

### **1.3 PROJECT AREA HABITAT DESCRIPTION**

The proposed study area is located within Wharton County, Texas including the City of Wharton Figure 5. The majority of Wharton County is located in the Gulf Prairies and Marshes ecoregion of Texas. The Gulf Marshes, covering approximately 500,000 acres, are on a narrow strip of lowlands adjacent to the coast and the barrier islands which extend from Mexico to Louisiana.

The Gulf Prairies, about 9 million acres, include the nearly flat plain extending 30 to 80 miles inland from the Gulf Marshes. The Gulf Marshes are low, wet, marshy coastal areas that range from sea level to a few feet in elevation. The Gulf Prairies are nearly level with slow surface drainage and elevations from sea level to 250 feet (Hatch, 1990).

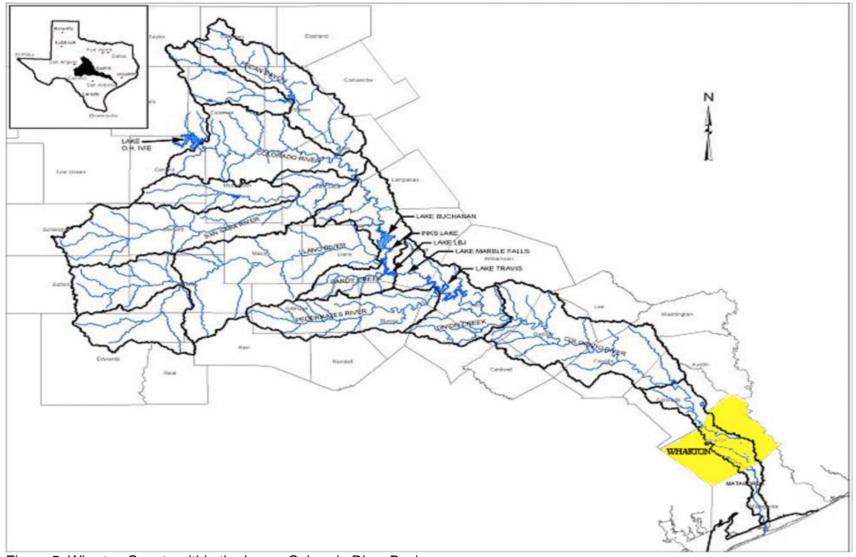


Figure 5. Wharton County within the Lower Colorado River Basin

Vegetation within the Gulf Prairie are consistent with the coastal prairie and post oak savannah. Characteristic oak species are live oak (Quercus virginiana) and post oak (Quercus stellata). Typical acacias are huisache (Acacia farnesiana) and blackbrush (Acacia rigidula). Bushy seaox-eye (Melanthera biflora), a dwarf shrub, is also typical (Hatch, 1990). Principal climax grasses of the Gulf Prairie are Gulf cordgrass (Spartina spartinae), big bluestem (Andropogon gerardii), little bluestem (Schizachyrium scoparium), Indiangrass (Sorghastum nutans), eastern gamagrass (Tripsacum dactyloides), gulf muhly (Muhlenbergia capillaris), tanglehead (Heteropogon contortus), and many species of Panicum and Paspalum. Common increasers and invaders are vankeeweed (Polygonum hydropiperoides), broomsedge bluestem (Andropogon virginicus), smutgrass (Sporobolus poitretii), western ragweed (Ambrosia psilostachya), tumblegrass (Schedonnardus panticulatus), threeawns (Aristida purpurea), and many annual forbs and grasses. Characteristic forbs include asters (Aster amellus), Indian paintbrush (Castilleja indivisa), poppy mallows (Callirho involucrate), bluebonnets (Lupinus texensis), and evening primroses (Oenothera speciosa) (Hatch, 1990). Approximately one-third of the inland prairies region is cultivated and is a major area of irrigated crop production, consisting primarily of rice cultivation, for the entire Lower Colorado Region. Bermudagrass (Cynodon dactylon) and several bluestem species are common in tamed pasturelands.

## 2.0 STATUS OF THE LISTED SPECIES

The USFWS Information for Planning and Consultation (IPaC) website was accessed to obtain a list of threatened and endangered species for Wharton County and the project area (USFWS, 2020). To assess the potential impacts of the proposed project on endangered and threatened species, a literature review was performed and other scientific data was researched to determine species distributions, habitat needs, and other biological requirements. Significant literature sources consulted for this report include Federal status reports and recovery plans, job reports of the TPWD, peer-reviewed journals, and other standard references.

## 2.1 Least Tern

Least terns are the smallest of the North American terns. The terns winter along the Texas coast and breed along the coast and on sandbars of large rivers. The terns are colonial nesters with nests as close as 10 to 30 feet apart. Nesting habitat for the terns includes bare or sparsely vegetated sand, shell, and gravel beaches, sandbars, islands, and salt flats associated with rivers and reservoirs. The terns prefer open flats and tend to avoid thick vegetation and narrow beaches. Least tern feed in shallow water with an abundance of fish, preferably near the nesting grounds.

No critical habitat has been designated for the least tern.

## 2.2 Piping Plover

Piping plovers nest on wide, gravelly beaches with little vegetation in alkali lakes and wetlands, inland lakes, reservoirs, and major rivers in the northern Atlantic coast, Great Lakes region, and around waterbodies of the Great Plains and Canada. Wintering habitat includes beaches, tidal sand flats, mud flats, algal mats, washover passes, and small dunes, where they feed primarily on small invertebrates (Campbell 2003). The migration and wintering period may last as long as 10 months (mid-July through mid-May) (USFWS 2012). Migration to breeding grounds may occur from mid-February through mid-May, with peak migrations in March (USFWS 2012).

Piping plovers can also be seen foraging along sandy, wet areas along waterways and wetlands beaches. Wintering piping plovers forage on invertebrates located on top of the sand or just below the surface along wrack lines (organic material including seaweed, seashells, driftwood, and other materials deposited on beaches by tidal action). Specific prey items may include polychaete marine worms, crustaceans, fly larvae, beetles, and bivalve mollusks (USFWS 2012).

Critical habitat for the wintering population of piping plovers was designated in July 2001, and is currently divided into 141 units totaling over 250,000 acres across eight states (USFWS 2001, 2008, 2009a). Eighteen (18) of these units are located along the Texas coastline and comprise roughly 139,000 acres.

## 2.3 Red Knot

The red knot is a medium to large shorebird. The red knot was listed as threatened on December 11, 2014 (79 FR 73706). The red knot breeds in tundra habitat of the central Canadian arctic, between May and mid-July, and winters along the U.S. coastline from North Carolina to Texas and south to Tierra del Fuego in South America between July and May; however, non-breeding red knots are known to remain in Texas year-round. Wintering habitat includes tidal flats, beaches, and oyster reefs, where they feed primarily on small invertebrates, particularly clams (Newstead 2012, Newstead et al. 2013, USFWS 2011).

## 2.4 Whooping Crane

The whooping crane occurs only in North America and is North America's tallest bird, with males approaching 5 feet when standing erect. The whooping crane was listed as endangered on March 11, 1967 (32 FR 4001) and whooping crane critical habitat first designated on May 15, 1978 (43 FR 20938). Whooping cranes currently exist in the wild at three locations and in captivity at 12 sites. There is only one self-sustaining wild population, the Aransas-Wood Buffalo National Park population, which nests in Wood Buffalo National Park (WBNP) and adjacent areas in the Northwest Territories and Alberta provinces of Canada, and winters mainly in and adjacent to Aransas NWR along the central Texas coast in Aransas, Calhoun, and Refugio Counties. The cranes migrate during spring and fall through an approximately 200-mile-wide corridor between Aransas NWR and WBNP. The migration corridor basically follows a straight line through the Great Plains, with the cranes traveling through Alberta, Saskatchewan, extreme eastern Montana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, and Texas (CWS and USFWS 2007). The birds begin to arrive at their wintering grounds in mid-October, with most birds arriving from late October through mid-November (CWS and USFWS 2007). Spring migration generally begins in late March, with some birds remaining on the wintering grounds into early May.

Whooping cranes use a variety of habitats during migration, including croplands for feeding and wetlands for roosting (Howe 1987, 1989; Lingle 1987; Lingle et al. 1991). According to Austin and Richert (2001), the migrant whooping cranes observed at feeding sites have primarily been recorded in upland cropfields, including row crop stubble, small grain stubble, and green crops such as winter wheat (*Triticum aestivum*) and alfalfa (*Medicago sativa*). Whooping cranes have also been observed feeding in palustrine wetlands, seasonally flooded habitats, permanent water, pastures, and meadows (Austin and Richert 2001).

Austin and Richert (2001) report that migrant whooping cranes roost predominantly in palustrine or riverine wetland systems, with these types of wetlands accounting for 91.5% of roost sites recorded. Most palustrine roost sites were adjacent to cropland or grassland; less than 8% of palustrine roost sites were reported as occurring adjacent to woodland (Austin and Richert 2001). When using riverine habitat, whooping cranes roost on submerged sandbars in wide, unobstructed channels ranging from 249 to 1,500 feet wide (Armbruster 1990). Austin and Richert (2001) report that remaining roost sites were mostly lacustrine wetlands (7.8% of occurrences) or flooded cropland (2.8% of occurrences). Studies of whooping cranes in migration indicate that they prefer to roost in wetlands that are less than 10 acres in size, have good horizontal visibility, have water depth of 12 inches or less, and generally occur adjacent (or within 0.62 mile) of cropland feeding areas (Howe 1987, 1989; CWS and USFWS 2007; USFWS 2009b). Studies cited by CWS and USFWS (2007) suggest landscapes characterized as "wetland mosaics" provide the most suitable stopover habitat. Whooping cranes also overwinter on the Texas coast, mostly in the area surrounding the Aransas NWR. They utilize salt marshes and tidal flats on the mainland and barrier islands.

## 2.5 Texas Pimpleback

The Texas pimpleback typically occurs in moderately sized rivers, usually in mud, sand, gravel, and cobble, and occasionally in gravel-filled cracks in bedrock slab bottoms (Horne and McIntosh 1979, Howells 2002b). The species has not been found in water depths over 2 m (6.6 ft.) or in reservoirs, which indicates that this species is intolerant of deep, low velocity waters created by artificial impoundments (Howells 2002b). In fact, Texas pimpleback appear to tolerate faster water more than many other mussel species (Horne and McIntosh 1979,).

The Texas pimpleback is endemic to the Colorado and Guadalupe-San Antonio River basins of central Texas (Howells 2002b). The Texas pimpleback once occurred throughout the mainstem and major tributaries of the Colorado River and in many major tributaries. The Texas pimpleback has declined significantly rangewide, and only four streams - the San Saba River, Concho River, Guadalupe River, and San Marcos River - are known to harbor persisting Texas pimpleback populations. These populations are disjunct, small, and isolated. It has likely been extirpated from the mainstem Colorado River. The Concho River contains the most abundant population of Texas pimpleback and one of only two populations of the species likely to be remaining in the Colorado River system, but most individuals are old and there has been very little evidence of recruitment. The species has been extirpated from the remainder of its historical range.

## 2.6 Texas Fawnsfoot

The Texas fawnsfoot is endemic to the Brazos and Colorado Rivers of central Texas (Howells et al., 1996; Randklev et al., 2010a). Historical records suggest the Texas fawnsfoot inhabited much of the Colorado River, from Wharton County upstream as far as the North Fork Concho River in Sterling County and throughout the Concho, San Saba, and Llano Rivers and Onion Creek within the Colorado River basin (Howells 2010, Randklev et al.).

Very little information is available about its habitat preferences for the Texas fawnsfoot. In the past, Texas fawnsfoot shells and recently dead individuals were occasionally found along rivers following droughts or along banks after high floods. These shells and recently dead individuals indicated that the Texas fawnsfoot occurs in rivers with soft, sandy sediment with moderate water flow (Howells 2010).

The Texas fawnsfoot has been eliminated from almost all of the Colorado River system. Live individuals were found in the lower mainstem Colorado River in 2009, and the only other evidence of current occurrence of Texas fawnsfoot in the Colorado River basin is in the San Saba River, where a population persists. In the mainstem Colorado River, the Texas fawnsfoot historically occurred in Wharton County upstream into the headwaters (Randklev et al., 2010; OSUM 2011). Given the historical, but limited findings of individuals in Wharton County, it is unlikely, but possible that Texas fawnsfoot mussels could occur in the study area.

# 3.0 EFFECTS ANALYSIS AND AVOIDANCE, MINIMIZATION, AND CONSERVATION MEASURES

In this document, USACE presents their determinations about each species potentially occurring within the affected area of the Wharton Flood Risk Management project, using language recommended by USFWS:

- No effect USACE determines that its proposed action will not affect a federally listed species or critical habitat;
- May affect, not likely to adversely affect USACE determines that the project may affect listed species and/or critical habitat; however, the effects are expected to be discountable, insignificant, or completely beneficial; or
- Likely to adversely affect USACE determines adverse effects to listed species and/or critical habitat may occur as a direct result of the proposed action or its interrelated or interdependent actions, and the effect is not discountable, insignificant, or completely beneficial. Under this determination, an additional determination is made whether the action is likely to jeopardize the continued survival and eventual recovery of the species.

The following sections provide the USACE's findings and species-specific avoidance, minimization, and conservation measures that support the effect determinations.

## 3.1 Least Tern

## 3.1.1 Baughman Slough

Baughman Slough is a small drainage of the Colorado River with no sand bars or islands within the waterway. Because no suitable habitat is available for the least tern within the Baughman Slough project area, the levee and channel improvements would have no effect on the least tern.

## 3.1.2 Wharton Levee

The riprap placement area for the outfall structures and erosion control along the Colorado River is located along the outside bends and cut banks of the river. No islands or sandbars occur in adjacent to the project areas. Because no suitable habitat occurs in the project area, there would be no effect on the least tern.

## 3.2 Piping Plover

As stated in Section 2.2, wintering habitat for the Piping Plover consists beaches, tidal sand flats, mud flats, algal mats, washover passes, and small dunes. Because the Baughman Slough and Wharton levee project area does not include of these habitat types, the proposed action would have no effect on piping plovers.

## 3.3 Red Knot

Wintering habitat for the Red Knot consists of tidal flats, beaches, and oyster reefs, none of which occur in the Baughman Slough and Wharton levee project areas. The proposed action would have no effect on Red Knots.

## 3.4 Whooping Crane

## 3.4.1 Baughman Slough

Baughman Slough is a degraded waterbody with little riparian habitat. Improved pastures extend to the upper banks of the improved channel. Cattle frequently use the slough as evidenced by numerous trails down the banks of the slough. Little to no fringe palustrine wetlands occur in the turbid slough. Because no habitat for the whooping crane occurs in slough, the levee and channel improvements associated with Baughman Slough would have no effect on the cranes.

## 3.4.2 Wharton Levee

The riprap placement areas for the outfall structures and erosion protection areas associated with the Wharton levee are located along the outside bends and cut banks. No wetlands occur along the bank and the cutbanks are located along the deeper thalweg of the river. The habitat of the project area is inconsistent with the habitat requirements for the whooping cranes; therefore, there would be no effect on the cranes resulting from the placement of the riprap at the Wharton levee.

## 3.5 Texas Pimpleback

## 3.5.1 Baughman Slough

USFWS, TPWD, and USACE biologists conducted a mussel survey for Baughman Slough on 3 October 2019. The mussel survey was conducted using the survey protocols established by the USFWS. The habitat within the slough is substantially degraded and the mussel community identified during the survey reflects the habitat conditions. No Candidate mussels were identified during the survey. Therefore, the Baughman Slough improvements would have no effect on Candidate mussels. The mussel data forms from the 3 October 2019 survey are provide in Appendix B.

## 3.5.2 Wharton Levee

Because there is suitable habitat for the Texas pimpleback within the study area and because Wharton County falls within its historical range, it reasonably probable that Texas pimpleback mussels may occur within the project area. Permanent effects of the placement of riprap associated with the sump outfall structures and bank erosion protection would result direct impacts to the mussels and the permanent the loss of habitat. Temporary effects to the mussels could result within the immediate area of the riprap placement area due to increased turbidity. Therefore the placement of the riprap is likely to impact the Texas Pimpleback.

Conservation measures to minimize potential direct and indirect impacts to the Texas Pimpleback in the project impact area will include the installation of silt curtains or similar sedimentation barriers around the riprap placement areas, placing the riprap from the land side of the shoreline, and minimizing the spatial extent of construction activities to the extent practicable. The USFWS and TPWD will be notified prior to construction so that mussel surveys can be conducted and any mussels found may be relocated.

## 3.6 Texas Fawnsfoot

## 3.6.1 Baughman Slough

As described in Section 3.5.1, mussel surveys conducted by the USFWS, TPWD, and USACE biologists did not detect any Candidate mussels within the Baughman Slough channel improvement project area. The Baughman Slough Mussel Survey Report is provided in Appendix B.

## 3.6.2 Wharton Levee

Potential impacts to the Texas Fawnsfoot would be identical to those impacts identified for the Texas Pimpleback described in Section 3.5.2. The placement of riprap along the shoreline for the outfall structures and bank erosion protection is likely to impact Texas Fawnsfoot mussels.

The conservation measures proposed to minimize impacts to the Texas Pimpleback as described in Section 3.5.2 would be implemented for Texas Fawnsfoot mussels that may be detected in the project impact area.

## 4.0 CUMULATIVE EFFECTS

Cumulative effects under the ESA [50 CFR § 402.02] are those effects of future state or private activities, not involving federal activities, that are reasonably certain to occur within the study areas. Future federal actions that are unrelated to the proposed action are not considered in this section, as they require separate consultation pursuant to Section 7 of the ESA.

Because future activities with a federal nexus are not included in the cumulative effects analysis in a BA, planned activities with the most potential to affect federally listed species in the vicinities of the Wharton Flood Risk Management project are not addressed here. Examples of such activities could include, but are not limited to, further expansion of national wildlife refuge lands and additional flood risk management projects along the Colorado River or adjacent watersheds. Many of the future projects will likely require a federal authorization (e.g., a permit under Section 404 of the Clean Water Act), in which case they will be subject to future ESA consultation.

No future non-federal actions that have the potential to affect the subject species have been identified in the study areas.

## 5.0 SUMMARY

The proposed project would have no effect on federally listed threatened or endangered species. Two Candidate mussel species may be impacted and mitigative measures will be implemented to minimize impacts to the mussels. The project is will not destroy or adversely modify critical habitat for any listed species.

Table 4. Effect determinations for threatened and endangered wildlife species of possible occurrence in Wharton County, Texas

Common Name Proposed Action

Birds		
Least Tern	No effect	
Piping Plover	No effect	
Red Knot	No effect	
Whooping Crane	No effect	
Clams		
Texas pimpleback	May impact	
Texas fawnsfoot	May impact	

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## Appendix E – National Bald Eagle Management Guidelines

## NATIONAL BALD EAGLE MANAGEMENT GUIDELINES

**U.S. Fish and Wildlife Service** 

May 2007

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#### INTRODUCTION

The bald eagle (*Haliaeetus leucocephalus*) is protected by the Bald and Golden Eagle Protection Act (Eagle Act) and the Migratory Bird Treaty Act (MBTA). The MBTA and the Eagle Act protect bald eagles from a variety of harmful actions and impacts. The U.S. Fish and Wildlife Service (Service) developed these National Bald Eagle Management Guidelines to advise landowners, land managers, and others who share public and private lands with bald eagles when and under what circumstances the protective provisions of the Eagle Act may apply to their activities. A variety of human activities can potentially interfere with bald eagles, affecting their ability to forage, nest, roost, breed, or raise young. The Guidelines are intended to help people minimize such impacts to bald eagles, particularly where they may constitute "disturbance," which is prohibited by the Eagle Act.

The Guidelines are intended to:

(1) Publicize the provisions of the Eagle Act that continue to protect bald eagles, in order to reduce the possibility that people will violate the law,

(2) Advise landowners, land managers and the general public of the potential for various human activities to disturb bald eagles, and

(3) Encourage additional nonbinding land management practices that benefit bald eagles (see Additional Recommendations section).

While the Guidelines include general recommendations for land management practices that will benefit bald eagles, the document is intended primarily as a tool for landowners and planners who seek information and recommendations regarding how to avoid disturbing bald eagles. Many States and some tribal entities have developed state-specific management plans, regulations, and/or guidance for landowners and land managers to protect and enhance bald eagle habitat, and we encourage the continued development and use of these planning tools to benefit bald eagles.

Adherence to the Guidelines herein will benefit individuals, agencies, organizations, and companies by helping them avoid violations of the law. However, the Guidelines themselves are not law. Rather, they are recommendations based on several decades of behavioral observations, science, and conservation measures to avoid or minimize adverse impacts to bald eagles.

The U.S. Fish and Wildlife Service strongly encourages adherence to these guidelines to ensure that bald and golden eagle populations will continue to be sustained. The Service realizes there may be impacts to some birds even if all reasonable measures are taken to avoid such impacts. Although it is not possible to absolve individuals and entities from liability under the Eagle Act or the MBTA, the Service exercises enforcement discretion to focus on those individuals, companies, or agencies that take migratory birds without regard for the consequences of their actions and the law, especially when conservation measures, such as these Guidelines, are available, but have not been implemented. The Service will prioritize its enforcement efforts to focus on those individuals or entities who take bald eagles or their parts, eggs, or nests without implementing appropriate measures recommended by the Guidelines.

The Service intends to pursue the development of regulations that would authorize, under limited circumstances, the use of permits if "take" of an eagle is anticipated but unavoidable. Additionally, if the bald eagle is delisted, the Service intends to provide a regulatory mechanism to honor existing (take) authorizations under the Endangered Species Act (ESA).

During the interim period until the Service completes a rulemaking for permits under the Eagle Act, the Service does not intend to refer for prosecution the incidental "*take*" of any bald eagle under the MBTA or Eagle Act, if such take is in full compliance with the terms and conditions of an incidental take statement issued to the action agency or applicant under the authority of section 7(b)(4) of the ESA or a permit issued under the authority of section 10(a)(1)(B) of the ESA.

The Guidelines are applicable throughout the United States, including Alaska. The primary purpose of these Guidelines is to provide information that will minimize or prevent violations only of *Federal* laws governing bald eagles. In addition to Federal laws, many states and some smaller jurisdictions and tribes have additional laws and regulations protecting bald eagles. In some cases those laws and regulations may be more protective (restrictive) than these Federal guidelines. If you are planning activities that may affect bald eagles, we therefore recommend that you contact both your nearest U.S. Fish and Wildlife Service Field Office (see the contact information on p.16) and your state wildlife agency for assistance.

#### LEGAL PROTECTIONS FOR THE BALD EAGLE

#### The Bald and Golden Eagle Protection Act

The Eagle Act (16 U.S.C. 668-668c), enacted in 1940, and amended several times since then, prohibits anyone, without a permit issued by the Secretary of the Interior, from "taking" bald eagles, including their parts, nests, or eggs. The Act provides criminal and civil penalties for persons who "take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle ... [or any golden eagle], alive or dead, or any part, nest, or egg thereof." The Act defines "take" as "pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb." "Disturb" means:

"Disturb means to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior."

In addition to immediate impacts, this definition also covers impacts that result from human-induced alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagle=s return, such alterations agitate or bother an eagle to a degree that injures an eagle or substantially interferes with normal breeding, feeding, or sheltering habits and causes, or is likely to cause, a loss of productivity or nest abandonment.

A violation of the Act can result in a criminal fine of \$100,000 (\$200,000 for organizations), imprisonment for one year, or both, for a first offense. Penalties increase substantially for additional offenses, and a second violation of this Act is a felony.

#### The Migratory Bird Treaty Act

The MBTA (16 U.S.C. 703-712), prohibits the taking of any migratory bird or any part, nest, or egg, except as permitted by regulation. The MBTA was enacted in 1918; a 1972 agreement supplementing one of the bilateral treaties underlying the MBTA had the effect of expanding the scope of the Act to cover bald eagles and other raptors. Implementing regulations define "take" under the MBTA as "pursue, hunt, shoot, wound, kill, trap, capture, possess, or collect."

Copies of the Eagle Act and the MBTA are available at: http://permits.fws.gov/ltr/ltr.shtml.

#### State laws and regulations

Most states have their own regulations and/or guidelines for bald eagle management. Some states may continue to list the bald eagle as endangered, threatened, or of special concern. If you plan activities that may affect bald eagles, we urge you to familiarize yourself with the regulations and/or guidelines that apply to bald eagles in your state. Your adherence to the Guidelines herein does not ensure that you are in compliance with state laws and regulations because state regulations can be more specific and/or restrictive than these Guidelines.

#### NATURAL HISTORY OF THE BALD EAGLE

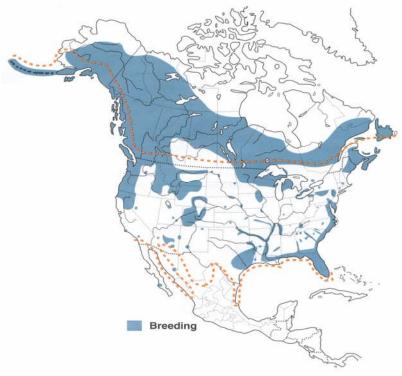
Bald eagles are a North American species that historically occurred throughout the contiguous United States and Alaska. After severely declining in the lower 48 States between the 1870s and the 1970s, bald eagles have rebounded and re-established breeding territories in each of the lower 48 states. The largest North American breeding populations are in Alaska and Canada, but there are also significant bald eagle populations in Florida, the Pacific Northwest, the Greater Yellowstone area, the Great Lakes states, and the Chesapeake Bay region. Bald eagle distribution varies seasonally. Bald eagles that nest in southern latitudes frequently move northward in late spring and early summer, often summering as far north as Canada. Most eagles that breed at northern latitudes migrate southward during winter, or to coastal areas where waters remain unfrozen. Migrants frequently concentrate in large numbers at sites where food is abundant and they often roost together communally. In some cases, concentration areas are used year-round: in summer by southern eagles and in winter by northern eagles.

Juvenile bald eagles have mottled brown and white plumage, gradually acquiring their dark brown body and distinctive white head and tail as they mature. Bald eagles generally attain adult plumage by 5 years of age. Most are capable of breeding at 4 or 5 years of age, but in healthy populations they may not start breeding until much older. Bald eagles may live 15 to 25 years in the wild. Adults weigh 8 to 14 pounds (occasionally reaching 16 pounds in Alaska) and have wingspans of 5 to 8 feet. Those in the northern range are larger than those in the south, and females are larger than males.

#### Where do bald eagles nest?

Breeding bald eagles occupy "territories," areas they will typically defend against intrusion by other eagles. In addition to the active nest, a territory may include one or more alternate nests (nests built or maintained by the eagles but not used for nesting in a given year). The Eagle Act prohibits removal or destruction of both active and alternate bald eagle nests. Bald eagles exhibit high nest site fidelity and nesting territories are often used year after year. Some territories are known to have been used continually for over half a century.

Bald eagles generally nest near coastlines, rivers, large lakes or streams that support an adequate food supply. They often nest in mature or old-growth trees; snags (dead trees); cliffs; rock promontories; rarely on the ground; and with increasing frequency on humanmade structures such as power poles and communication towers. In forested areas, bald eagles often select the tallest trees with limbs strong enough to support a nest that can weigh more than 1,000 pounds. Nest sites typically include at least one perch with a clear view of the water where the eagles usually forage. Shoreline trees or snags located in reservoirs provide the visibility and accessibility needed to locate aquatic prey. Eagle nests are constructed with large sticks, and may be lined with moss, grass, plant stalks, lichens, seaweed, or sod. Nests are usually about 4-6 feet in diameter and 3 feet deep, although larger nests exist.



Copyright Birds of North America, 2000

The range of breeding bald eagles in 2000 (shaded areas). This map shows only the larger concentrations of nests; eagles have continued to expand into additional nesting territories in many states. The dotted line represents the bald eagle's wintering range.

#### When do bald eagles nest?

Nesting activity begins several months before egg-laying. Egg-laying dates vary throughout the U.S., ranging from October in Florida, to late April or even early May in the northern United States. Incubation typically lasts 33-35 days, but can be as long as 40 days. Eaglets make their first unsteady flights about 10 to 12 weeks after hatching, and fledge (leave their nests) within a few days after that first flight. However, young birds usually remain in the vicinity of the nest for several weeks after fledging because they are almost completely dependent on their parents for food until they disperse from the nesting territory approximately 6 weeks later.

The bald eagle breeding season tends to be longer in the southern U.S., and re-nesting following an unsuccessful first nesting attempt is more common there as well. The following table shows the timing of bald eagle breeding seasons in different regions of the country. The table represents the range of time within which the majority of nesting activities occur in each region and does not apply to any specific nesting pair. Because the timing of nesting activities may vary within a given region, you should contact the nearest U.S. Fish and Wildlife Service Field Office (see page 16) and/or your state wildlife conservation agency for more specific information on nesting chronology in your area.

## Chronology of typical reproductive activities of bald eagles in the United States.

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	Мау	June	July	Aug.
SOUTHEASTERN U.S. (FL, GA, SC, <del>NC</del> , AL, MS, LA, TN, KY, AR, eastern 2 of TX)											
Nest Building											
	Egg Laying/Incubation										
	Hatching/Rearing Young										
				F	Fledging Y	oung					
CHESAR	PEAKE B	AY REGIO	N (NC, V	A, MD, DE	, southerr	n 2 of NJ,	eastern 2	of PA, pa	nhandle	of WV)	
	Nest Building										
				Egg L	aying/Incu	Ibation					
					Hatch	ing/Rearin	g Young				
								Fledg	ing Young	J	
NORTHI MI, WI, M	ERN U.S. MN, IA, M	(ME, NH, I O, ND, SD	MA, RI, C , NB, KS,	T, NY, nor CO, UT)	thern 2 of	f NJ, west	ern 2 of F	PA, OH, W	V exc. pa	inhandle, I	N, IL,
			Nest Bu	ilding							
					Egg Lay	ing/Incuba	tion				
						Hatching	/Rearing	Young			
								F	Fledging Y	′oung	
PACIFIC	REGION	I (WA, OR	, CA, ID, N	/IT, WY, N	V)						
				Nest Bu	ilding						
					Egg Lay	ing/Incuba	tion				
						Hatching	/Rearing	Young			
									Fledgin	g Young	
SOUTH	VESTER	N U.S. (AZ	, NM, OK	panhandl	e, westeri	1 2 of TX)					
	I	Nest Buildi	ng								
			E	Egg Laying	g/Incubatic	n					
				H	Hatching/F	Rearing Yo	ung				
							F	Fledging Y	oung		
ALASKA											
Nest Building											
Egg Laying/Incubation											
Hatching/Rearing Young											
Ing Your	Ing Young Fledg-									Fledg-	
Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.

#### How many chicks do bald eagles raise?

The number of eagle eggs laid will vary from 1-3, with 1-2 eggs being the most common. Only one eagle egg is laid per day, although not always on successive days. Hatching of young occurs on different days with the result that chicks in the same nest are sometimes of unequal size. The overall national fledging rate is approximately one chick per nest, annually, which results in a healthy expanding population.

#### What do bald eagles eat?

Bald eagles are opportunistic feeders. Fish comprise much of their diet, but they also eat waterfowl, shorebirds/colonial waterbirds, small mammals, turtles, and carrion. Because they are visual hunters, eagles typically locate their prey from a conspicuous perch, or soaring flight, then swoop down and strike. Wintering bald eagles often congregate in large numbers along streams to feed on spawning salmon or other fish species, and often gather in large numbers in areas below reservoirs, especially hydropower dams, where fish are abundant. Wintering eagles also take birds from rafts of ducks at reservoirs and rivers, and congregate on melting ice shelves to scavenge dead fish from the current or the soft melting ice. Bald eagles will also feed on carcasses along roads, in landfills, and at feedlots.

During the breeding season, adults carry prey to the nest to feed the young. Adults feed their chicks by tearing off pieces of food and holding them to the beaks of the eaglets. After fledging, immature eagles are slow to develop hunting skills, and must learn to locate reliable food sources and master feeding techniques. Young eagles will congregate together, often feeding upon easily acquired food such as carrion and fish found in abundance at the mouths of streams and shallow bays and at landfills.

#### The impact of human activity on nesting bald eagles

During the breeding season, bald eagles are sensitive to a variety of human activities. However, not all bald eagle pairs react to human activities in the same way. Some pairs nest successfully just dozens of yards from human activity, while others abandon nest sites in response to activities much farther away. This variability may be related to a number of factors, including visibility, duration, noise levels, extent of the area affected by the activity, prior experiences with humans, and tolerance of the individual nesting pair. The relative sensitivity of bald eagles during various stages of the breeding season is outlined in the following table.

Phase	Activity	Sensitivity to Human Activity	Comments
I	Courtship and Nest Building	Most sensitive period; likely to respond negatively	Most critical time period. Disturbance is manifested in nest abandonment. Bald eagles in newly established territories are more prone to abandon nest sites.
II	Egg laying	Very sensitive period	Human activity of even limited duration may cause nest desertion and abandonment of territory for the breeding season.
ш	Incubation and early nestling period (up to 4 weeks)	Very sensitive period	Adults are less likely to abandon the nest near and after hatching. However, flushed adults leave eggs and young unattended; eggs are susceptible to cooling, loss of moisture, overheating, and predation; young are vulnerable to elements.
IV	Nestling period, 4 to 8 weeks	Moderately sensitive period	Likelihood of nest abandonment and vulnerability of the nestlings to elements somewhat decreases. However, nestlings may miss feedings, affecting their survival.
v	Nestlings 8 weeks through fledging	Very sensitive period	Gaining flight capability, nestlings 8 weeks and older may flush from the nest prematurely due to disruption and die.

Nesting Bald Eagle Sensitivity to Human Activities

If agitated by human activities, eagles may inadequately construct or repair their nest, may expend energy defending the nest rather than tending to their young, or may abandon the nest altogether. Activities that cause prolonged absences of adults from their nests can jeopardize eggs or young. Depending on weather conditions, eggs may overheat or cool too much and fail to hatch. Unattended eggs and nestlings are subject to predation. Young nestlings are particularly vulnerable because they rely on their parents to provide warmth or shade, without which they may die as a result of hypothermia or heat stress. If food delivery schedules are interrupted, the young may not develop healthy plumage, which can affect their survival. In addition, adults startled while incubating or brooding young may damage eggs or injure their young as they abruptly leave the nest. Older nestlings no longer require constant attention from the adults, but they may be startled by loud or intrusive human activities and prematurely jump from the nest before they are able to fly or care for themselves. Once fledged, juveniles range up to 1/4 mile from the nest site, often to a site with minimal human activity. During this period, until about six weeks after departure from the nest, the juveniles still depend on the adults to feed them.

#### The impact of human activity on foraging and roosting bald eagles

Disruption, destruction, or obstruction of roosting and foraging areas can also negatively affect bald eagles. Disruptive activities in or near eagle foraging areas can interfere with feeding, reducing chances of survival. Interference with feeding can also result in reduced productivity (number of young successfully fledged). Migrating and wintering bald eagles often congregate at specific sites for purposes of feeding and sheltering. Bald eagles rely on established roost sites because of their proximity to sufficient food sources. Roost sites are usually in mature trees where the eagles are somewhat sheltered from the wind and weather. Human activities near or within communal roost sites may prevent eagles

from feeding or taking shelter, especially if there are not other undisturbed and productive feeding and roosting sites available. Activities that permanently alter communal roost sites and important foraging areas can altogether eliminate the elements that are essential for feeding and sheltering eagles.

Where a human activity agitates or bothers roosting or foraging bald eagles to the degree that causes injury or substantially interferes with breeding, feeding, or sheltering behavior and causes, or is likely to cause, a loss of productivity or nest abandonment, the conduct of the activity constitutes a violation of the Eagle Act's prohibition against disturbing eagles. The circumstances that might result in such an outcome are difficult to predict without detailed site-specific information. If your activities may disturb roosting or foraging bald eagles, you should contact your local Fish and Wildlife Service Field Office (see page 16) for advice and recommendations for how to avoid such disturbance.

#### **RECOMMENDATIONS FOR AVOIDING DISTURBANCE AT NEST SITES**

In developing these Guidelines, we relied on existing state and regional bald eagle guidelines, scientific literature on bald eagle disturbance, and recommendations of state and Federal biologists who monitor the impacts of human activity on eagles. Despite these resources, uncertainties remain regarding the effects of many activities on eagles and how eagles in different situations may or may not respond to certain human activities. The Service recognizes this uncertainty and views the collection of better biological data on the response of eagles to disturbance as a high priority. To the extent that resources allow, the Service will continue to collect data on responses of bald eagles to human activities conducted according to the recommendations within these Guidelines to ensure that adequate protection from disturbance is being afforded, and to identify circumstances where the Guidelines might be modified. These data will be used to make future adjustments to the Guidelines.

To avoid disturbing nesting bald eagles, we recommend (1) keeping a distance between the activity and the nest (distance buffers), (2) maintaining preferably forested (or natural) areas between the activity and around nest trees (landscape buffers), and (3) avoiding certain activities during the breeding season. The buffer areas serve to minimize visual and auditory impacts associated with human activities near nest sites. Ideally, buffers would be large enough to protect existing nest trees and provide for alternative or replacement nest trees.

The size and shape of effective buffers vary depending on the topography and other ecological characteristics surrounding the nest site. In open areas where there are little or no forested or topographical buffers, such as in many western states, distance alone must serve as the buffer. Consequently, in open areas, the distance between the activity and the nest may need to be larger than the distances recommended under Categories A and B of these guidelines (pg. 12) if no landscape buffers are present. The height of the nest above the ground may also ameliorate effects of human activities; eagles at higher nests may be less prone to disturbance.

In addition to the physical features of the landscape and nest site, the appropriate size for the distance buffer may vary according to the historical tolerances of eagles to human activities in particular localities, and may also depend on the location of the nest in relation to feeding and roosting areas used by the eagles. Increased competition for nest sites may lead bald eagles to nest closer to human activity (and other eagles).

Seasonal restrictions can prevent the potential impacts of many shorter-term, obtrusive activities that do not entail landscape alterations (e.g. fireworks, outdoor concerts). In proximity to the nest, these kinds of activities should be conducted only outside the breeding season. For activities that entail both short-term, obtrusive characteristics and more permanent impacts (e.g., building construction), we recommend a combination of both approaches: retaining a landscape buffer *and* observing seasonal restrictions.

For assistance in determining the appropriate size and configuration of buffers or the timing of activities in the vicinity of a bald eagle nest, we encourage you to contact the nearest U.S. Fish and Wildlife Service Field Office (see page 16).

#### **Existing Uses**

Eagles are unlikely to be disturbed by routine use of roads, homes, and other facilities where such use pre-dates the eagles' successful nesting activity in a given area. Therefore, in most cases *ongoing* existing uses may proceed with the same intensity with little risk of disturbing bald eagles. However, some *intermittent, occasional, or irregular* uses that pre-date eagle nesting in an area may disturb bald eagles. For example: a pair of eagles may begin nesting in an area and subsequently be disturbed by activities associated with an annual outdoor flea market, even though the flea market has been held annually at the same location. In such situations, human activity should be adjusted or relocated to minimize potential impacts on the nesting pair.

#### **ACTIVITY-SPECIFIC GUIDELINES**

The following section provides the Service=s management recommendations for avoiding bald eagle disturbance as a result of new or intermittent activities proposed in the vicinity of bald eagle nests. Activities are separated into 8 categories (A - H) based on the nature and magnitude of impacts to bald eagles that usually result from the type of activity. Activities with similar or comparable impacts are grouped together.

In most cases, impacts will vary based on the visibility of the activity from the eagle nest and the degree to which similar activities are already occurring in proximity to the nest site. Visibility is a factor because, in general, eagles are more prone to disturbance when an activity occurs in full view. For this reason, we recommend that people locate activities farther from the nest structure in areas with open vistas, in contrast to areas where the view is shielded by rolling topography, trees, or other screening factors. The recommendations also take into account the existence of similar activities in the area because the continued presence of nesting bald eagles in the vicinity of the existing activities indicates that the eagles in that area can tolerate a greater degree of human activity than we can generally expect from eagles in areas that experience fewer human impacts. To illustrate how these factors affect the likelihood of disturbing eagles, we have incorporated the recommendations for some activities into a table (categories A and B).

First, determine which category your activity falls into (between categories A - H). If the activity you plan to undertake is not specifically addressed in these guidelines, follow the recommendations for the most similar activity represented.

If your activity is under A or B, our recommendations are in table form. The vertical axis shows the degree of visibility of the activity from the nest. The horizontal axis (header row) represents the degree to which similar activities are ongoing in the vicinity of the nest. Locate the row that best describes how visible your activity will be from the eagle nest. Then, choose the column that best describes the degree to which similar activities are ongoing in the vicinity of the eagle nest. The box where the column and row come together contains our management recommendations for how far you should locate your activity from the nest to avoid disturbing the eagles. The numerical distances shown in the tables are the closest the activity should be conducted relative to the nest. In some cases we have included additional recommendations (other than recommended *distance* from the nest) you should follow to help ensure that your activity will not disturb the eagles.

#### Alternate nests

For activities that entail permanent landscape alterations that may result in bald eagle disturbance, these recommendations apply to both active and alternate bald eagle nests. Disturbance becomes an issue with regard to alternate nests if eagles return for breeding purposes and react to land use changes that occurred while the nest was inactive. The likelihood that an alternate nest will again become active decreases the longer it goes unused. If you plan activities in the vicinity of an alternate bald eagle nest and have information to show that the nest has not been active during the preceding 5 breeding seasons, the recommendations provided in these guidelines for avoiding disturbance around the nest site may no longer be warranted. The nest itself remains protected by other provisions of the Eagle Act, however, and may not be destroyed.

If special circumstances exist that make it unlikely an inactive nest will be reused before 5 years of disuse have passed, and you believe that the probability of reuse is low enough to warrant disregarding the recommendations for avoiding disturbance, you should be prepared to provide all the reasons for your conclusion, including information regarding past use of the nest site. Without sufficient documentation, you should continue to follow these guidelines when conducting activities around the nest site. If we are able to determine that it is unlikely the nest will be reused, we may advise you that the recommendations provided in these guidelines for avoiding disturbance are no longer necessary around that nest site.

This guidance is intended to minimize disturbance, as defined by Federal regulation. In addition to Federal laws, most states and some tribes and smaller jurisdictions have additional laws and regulations protecting bald eagles. In some cases those laws and regulations may be more protective (restrictive) than these Federal guidelines.

#### **Temporary Impacts**

For activities that have temporary impacts, such as the use of loud machinery, fireworks displays, or summer boating activities, we recommend seasonal restrictions. These types of activities can generally be carried out outside of the breeding season without causing disturbance. The recommended restrictions for these types of activities can be lifted for alternate nests within a particular territory, including nests that were attended during the current breeding season but not used to raise young, after eggs laid in another nest within the territory have hatched (depending on the distance between the alternate nest and the active nest).

In general, activities should be kept as far away from nest trees as possible; loud and disruptive activities should be conducted when eagles are not nesting; and activity between the nest and the nearest foraging area should be minimized. If the activity you plan to undertake is not specifically addressed in these guidelines, follow the recommendations for the most similar activity addressed, or contact your local U.S. Fish and Wildlife Service Field Office for additional guidance.

If you believe that special circumstances apply to your situation that increase or diminish the likelihood of bald eagle disturbance, or if it is not possible to adhere to the guidelines, you should contact your local Service Field Office for further guidance.

#### Category A:

Building construction, 1 or 2 story, with project footprint of ½ acre or less. Construction of roads, trails, canals, power lines, and other linear utilities. Agriculture and aquaculture – new or expanded operations. Alteration of shorelines or wetlands. Installation of docks or moorings. Water impoundment.

#### **Category B:**

Building construction, 3 or more stories. Building construction, 1 or 2 story, with project footprint of more than ½ acre. Installation or expansion of marinas with a capacity of 6 or more boats. Mining and associated activities. Oil and natural gas drilling and refining and associated activities.

	<i>If there is no similar activity within 1 mile of the nest</i>	<i>If there is similar activity closer than 1 mile from the nest</i>
<i>If the activity will be visible from the nest</i>	660 feet. Landscape buffers are recommended.	660 feet, or as close as existing tolerated activity of similar scope. Landscape buffers are recommended.
<i>If the activity will not be visible from the nest</i>	Category A: 330 feet. Clearing, external construction, and landscaping between 330 feet and 660 feet should be done outside breeding season. Category B: 660 feet.	330 feet, or as close as existing tolerated activity of similar scope. Clearing, external construction and landscaping within 660 feet should be done outside breeding season.

The numerical distances shown in the table are the closest the activity should be conducted relative to the nest.

#### Category C. Timber Operations and Forestry Practices

- Avoid clear cutting or removal of overstory trees within 330 feet of the nest at any time.
- Avoid timber harvesting operations, including road construction and chain saw and yarding operations, during the breeding season within 660 feet of the nest. The distance may be decreased to 330 feet around alternate nests within a particular territory, including nests that were attended during the current breeding season but not used to raise young, after eggs laid in another nest within the territory have hatched.
- Selective thinning and other silviculture management practices designed to conserve or enhance habitat, including prescribed burning close to the nest tree, should be undertaken outside the breeding season. Precautions such as raking leaves and woody debris from around the nest tree should be taken to prevent crown fire or fire climbing the nest tree. If it is determined that a burn during the breeding season would be beneficial, then, to ensure that no take or disturbance will occur, these activities should be conducted only when neither adult eagles nor young are present at the nest tree (i.e., at the beginning of, or end of, the breeding season, either before the particular nest is active or after the young have fledged from that nest). Appropriate Federal and state biologists should be consulted before any prescribed burning is conducted during the breeding season.
- Avoid construction of log transfer facilities and in-water log storage areas within 330 feet of the nest.

**Category D. Off-road vehicle use** (including snowmobiles). No buffer is necessary around nest sites outside the breeding season. During the breeding season, do not operate off-road vehicles within 330 feet of the nest. In open areas, where there is increased visibility and exposure to noise, this distance should be extended to 660 feet.

**Category E. Motorized Watercraft use** (including jet skis/personal watercraft). No buffer is necessary around nest sites outside the breeding season. During the breeding season, within 330 feet of the nest, (1) do not operate jet skis (personal watercraft), and (2) avoid concentrations of noisy vessels (e.g., commercial fishing boats and tour boats), except where eagles have demonstrated tolerance for such activity. Other motorized boat traffic passing within 330 feet of the nest should attempt to minimize trips and avoid stopping in the area where feasible, particularly where eagles are unaccustomed to boat traffic. Buffers for airboats should be larger than 330 feet due to the increased noise they generate, combined with their speed, maneuverability, and visibility.

**Category F. Non-motorized recreation and human entry** (e.g., hiking, camping, fishing, hunting, birdwatching, kayaking, canoeing). No buffer is necessary around nest sites outside the breeding season. If the activity will be visible or highly audible from the nest, maintain a 330-foot buffer during the breeding season, particularly where eagles are unaccustomed to such activity.

#### Category G. Helicopters and fixed-wing aircraft.

Except for authorized biologists trained in survey techniques, avoid operating aircraft within 1,000 feet of the nest during the breeding season, except where eagles have demonstrated tolerance for such activity.

#### Category H. Blasting and other loud, intermittent noises.

Avoid blasting and other activities that produce extremely loud noises within 1/2 mile of active nests, unless greater tolerance to the activity (or similar activity) has been demonstrated by the eagles in the nesting area. This recommendation applies to the use of fireworks classified by the Federal Department of Transportation as Class B explosives, which includes the larger fireworks that are intended for licensed public display.

#### RECOMMENDATIONS FOR AVOIDING DISTURBANCE AT FORAGING AREAS AND COMMUNAL ROOST SITES

- 1. Minimize potentially disruptive activities and development in the eagles' direct flight path between their nest and roost sites and important foraging areas.
- 2. Locate long-term and permanent water-dependent facilities, such as boat ramps and marinas, away from important eagle foraging areas.
- 3. Avoid recreational and commercial boating and fishing near critical eagle foraging areas during peak feeding times (usually early to mid-morning and late afternoon), except where eagles have demonstrated tolerance to such activity.
- 4. Do not use explosives within ½ mile (or within 1 mile in open areas) of communal roosts when eagles are congregating, without prior coordination with the U.S. Fish and Wildlife Service and your state wildlife agency.
- 5. Locate aircraft corridors no closer than 1,000 feet vertical or horizontal distance from communal roost sites.

#### ADDITIONAL RECOMMENDATIONS TO BENEFIT BALD EAGLES

The following are additional management practices that landowners and planners can exercise for added benefit to bald eagles.

- 1. Protect and preserve potential roost and nest sites by retaining mature trees and old growth stands, particularly within ½ mile from water.
- 2. Where nests are blown from trees during storms or are otherwise destroyed by the elements, continue to protect the site in the absence of the nest for up to three (3) complete breeding seasons. Many eagles will rebuild the nest and reoccupy the site.
- 3. To avoid collisions, site wind turbines, communication towers, and high voltage transmission power lines away from nests, foraging areas, and communal roost sites.
- 4. Employ industry-accepted best management practices to prevent birds from colliding with or being electrocuted by utility lines, towers, and poles. If possible, bury utility lines in important eagle areas.
- 5. Where bald eagles are likely to nest in human-made structures (e.g., cell phone towers) and such use could impede operation or maintenance of the structures or jeopardize the safety of the eagles, equip the structures with either (1) devices engineered to discourage bald eagles from building nests, or (2) nesting platforms that will safely accommodate bald eagle nests without interfering with structure performance.
- 6. Immediately cover carcasses of euthanized animals at landfills to protect eagles from being poisoned.
- 7. Do not intentionally feed bald eagles. Artificially feeding bald eagles can disrupt their essential behavioral patterns and put them at increased risk from power lines, collision with windows and cars, and other mortality factors.
- 8. Use pesticides, herbicides, fertilizers, and other chemicals only in accordance with Federal and state laws.
- 9. Monitor and minimize dispersal of contaminants associated with hazardous waste sites (legal or illegal), permitted releases, and runoff from agricultural areas, especially within watersheds where eagles have shown poor reproduction or where bioaccumulating contaminants have been documented. These factors present a risk of contamination to eagles and their food sources.

### CONTACTS

The following U.S. Fish and Wildlife Service Field Offices provide technical assistance on bald eagle management:

<u>Alabama</u> <u>Alaska</u>	Daphne Anchorage Fairbanks Juneau	(251) 441-5181 (907) 271-2888 (907) 456-0203 (907) 780-1160	<u>New Hampshire</u> <u>New Jersey</u> <u>New Mexico</u> New York	Concord Pleasantville Albuquerque Cortland	(603) 223-2541 (609) 646-9310 (505) 346-2525 (607) 753-9334
<u>Arizona</u> <u>Arkansas</u> <u>California</u>	Phoenix Conway Arcata	(602) 242-0210 (501) 513-4470 (707) 822-7201	North Carolina	Long Island Raleigh Asheville	(631) 776-1401 (919) 856-4520 (828) 258-3939
	Barstow	(760) 255-8852	North Dakota	Bismarck	(701) 250-4481
	Carlsbad	(760) 431-9440	<u>Ohio</u>	Reynoldsburg	(614) 469-6923
	Red Bluff	(530) 527-3043	<u>Oklahoma</u>	Tulsa	(918) 581-7458
	Sacramento	(916) 414-6000	<u>Oregon</u>	Bend	(541) 383-7146
	Stockton	(209) 946-6400		Klamath Falls	(541) 885-8481
	Ventura	(805) 644-1766		La Grande	(541) 962-8584
O a la va da	Yreka	(530) 842-5763		Newport Portland	(541) 867-4558
<u>Colorado</u>	Lakewood	(303) 275-2370		Roseburg	(503) 231-6179 (541) 957-3474
O a rest a still such		n (970) 243-2778	<u>Pennsylvania</u>	State College	(814) 234-4090
Connecticut	(See New Ham		Rhode Island	(See New Ham	· · ·
<u>Delaware</u>	(See Maryland)		South Carolina	Charleston	(843) 727-4707
<u>Florida</u>	Panama City	(850) 769-0552	South Dakota	Pierre	(605) 224-8693
	Vero Beach	(772) 562-3909	Tennessee	Cookeville	(931) 528-6481
O a anaia	Jacksonville	(904) 232-2580	Texas	Clear Lake	(281) 286-8282
<u>Georgia</u>	Athens	(706) 613-9493	Utah		(801) 975-3330
	Brunswick	(912) 265-9336	Vermont	(See New Ham	
l d a b a	Columbus	(706) 544-6428	Virginia	Gloucester	(804) 693-6694
<u>ldaho</u>	Boise Chubbuck	(208) 378-5243 (208) 237-6975	Washington	Lacey	(306) 753-9440
Illinois/Iowa	Rock Island	(309) 757-5800	washington	Spokane	(509) 891-6839
Indiana	Bloomington	(812) 334-4261		Wenatchee	(509) 665-3508
Kansas	Manhattan	(785) 539-3474	West Virginia	Elkins	(304) 636-6586
Kentucky	Frankfort	(502) 695-0468	Wisconsin	New Franken	(920) 866-1725
Louisiana	Lafayette	(337) 291-3100	Wyoming	Cheyenne	(307) 772-2374
Maine	Old Town	(207) 827-5938	<u>, e</u>	Cody	(307) 578-5939
Maryland	Annapolis	(410) 573-4573		,	(
<u>Massachusetts</u>	(See New Ham				
Michigan	East Lansing	(517) 351-2555	National Offic	е	
Minnesota	Bloomington	(612) 725-3548		Wildlife Service	
Mississippi	Jackson	(601) 965-4900		gratory Bird Mana	
<u>Mississippi</u> Missouri	Columbia	(573) 234-2132		airfax Drive, MBS	P-4107
Montana	Helena	(405) 449-5225	Arlington, VA		
Nebraska	Grand Island	(308) 382-6468	(703) 358-171		- 4-
Nevada	Las Vegas	(702) 515-5230	http://www.fws	s.gov/migratorybir	ds
INEVAUA	Reno	(775) 861-6300			
		(110) 001 0000			

## State Agencies

To contact a state wildlife agency, visit the Association of Fish & Wildlife Agencies' website at http://www.fishwildlife.org/where\_us.html

#### GLOSSARY

The definitions below apply to these National Bald Eagle Management Guidelines:

**Communal roost sites** – Areas where bald eagles gather and perch overnight – and sometimes during the day in the event of inclement weather. Communal roost sites are usually in large trees (live or dead) that are relatively sheltered from wind and are generally in close proximity to foraging areas. These roosts may also serve a social purpose for pair bond formation and communication among eagles. Many roost sites are used year after year.

**Disturb** – To agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, feeding, or sheltering behavior.

In addition to immediate impacts, this definition also covers impacts that result from humancaused alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagle=s return, such alterations agitate or bother an eagle to a degree that injures an eagle or substantially interferes with normal breeding, feeding, or sheltering habits and causes, or is likely to cause, a loss of productivity or nest abandonment.

**Fledge** – To leave the nest and begin flying. For bald eagles, this normally occurs at 10-12 weeks of age.

**Fledgling** – A juvenile bald eagle that has taken the first flight from the nest but is not yet independent.

**Foraging area** – An area where eagles feed, typically near open water such as rivers, lakes, reservoirs, and bays where fish and waterfowl are abundant, or in areas with little or no water (i.e., rangelands, barren land, tundra, suburban areas, etc.) where other prey species (e.g., rabbit, rodents) or carrion (such as at landfills) are abundant.

**Landscape buffer** – A natural or human-made landscape feature that screens eagles from human activity (e.g., strip of trees, hill, cliff, berm, sound wall).

**Nest** – A structure built, maintained, or used by bald eagles for the purpose of reproduction. An **active** nest is a nest that is attended (built, maintained or used) by a pair of bald eagles during a given breeding season, whether or not eggs are laid. An **alternate** nest is a nest that is not used for breeding by eagles during a given breeding season.

**Nest abandonment** – Nest abandonment occurs when adult eagles desert or stop attending a nest and do not subsequently return and successfully raise young in that nest for the duration of a breeding season. Nest abandonment can be caused by altering habitat near a nest, even if the alteration occurs prior to the breeding season. Whether the eagles migrate during the non-breeding season, or remain in the area throughout the non-breeding season, nest abandonment can occur at any point between the time the eagles return to the nesting site for the breeding season and the time when all progeny from the breeding season have dispersed.

**Project footprint** – The area of land (and water) that will be permanently altered for a development project, including access roads.

**Similar scope** – In the vicinity of a bald eagle nest, an existing activity is of similar scope to a new activity where the types of impacts to bald eagles are similar in nature, and the impacts of the existing activity are of the same or greater magnitude than the impacts of the potential new activity. Examples: (1) An existing single-story home 200 feet from a nest is similar in scope to an additional single-story home 200 feet from the nest; (2) An existing multi-story, multi-family dwelling 150 feet from a nest has impacts of a greater magnitude than a potential new single-family home 200 feet from the nest; (3) One existing single-family home 200 feet from the nest; (4) an existing single-family home 200 feet from a communal roost has impacts of a lesser magnitude than a single-family home 300 feet from the nest; (4) an existing single-family home 300 feet from a communal roost has impacts of a lesser magnitude than a single-family home 300 feet from the eagles' foraging area. The existing activities in examples (1) and (2) are of similar scope, while the existing activities in example (3) and (4) are not.

**Vegetative buffer** – An area surrounding a bald eagle nest that is wholly or largely covered by forest, vegetation, or other natural ecological characteristics, and separates the nest from human activities.

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