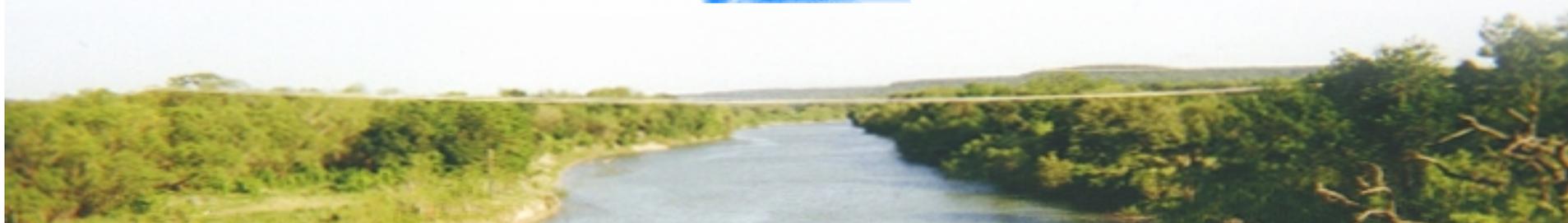




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# *Introduction & History*

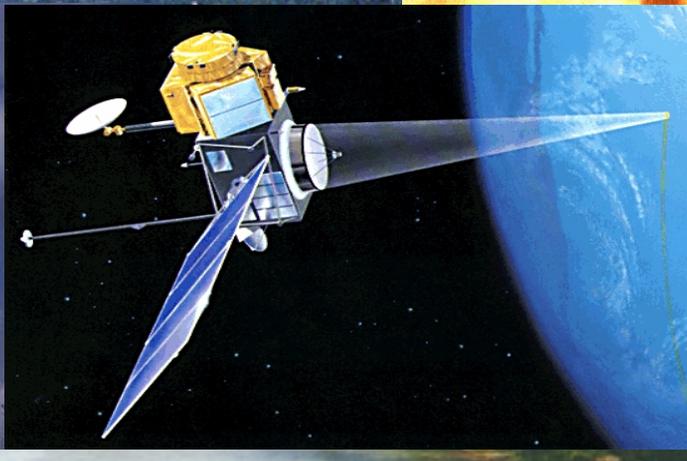
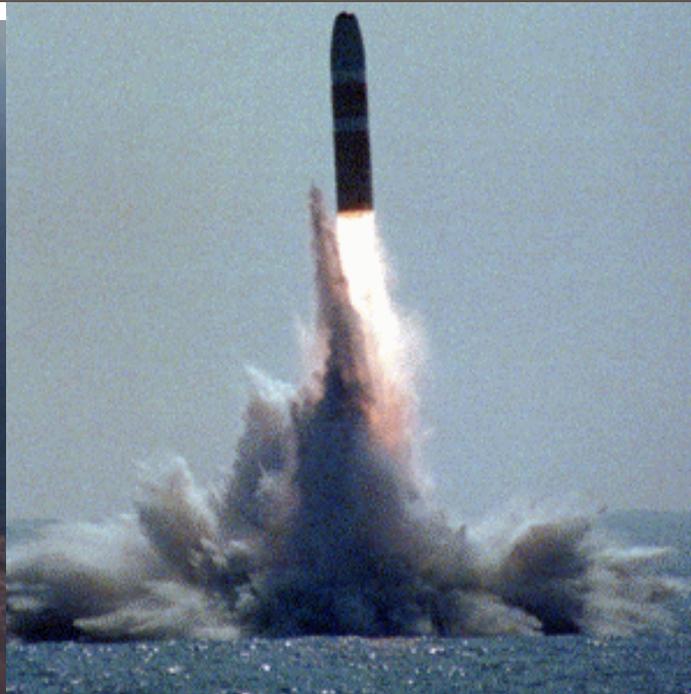
**Michael D. Meadows, P.E.**  
**Environmental Section Manager**  
**Project Development and Water**  
**Resources Division**  
**Brazos River Authority**





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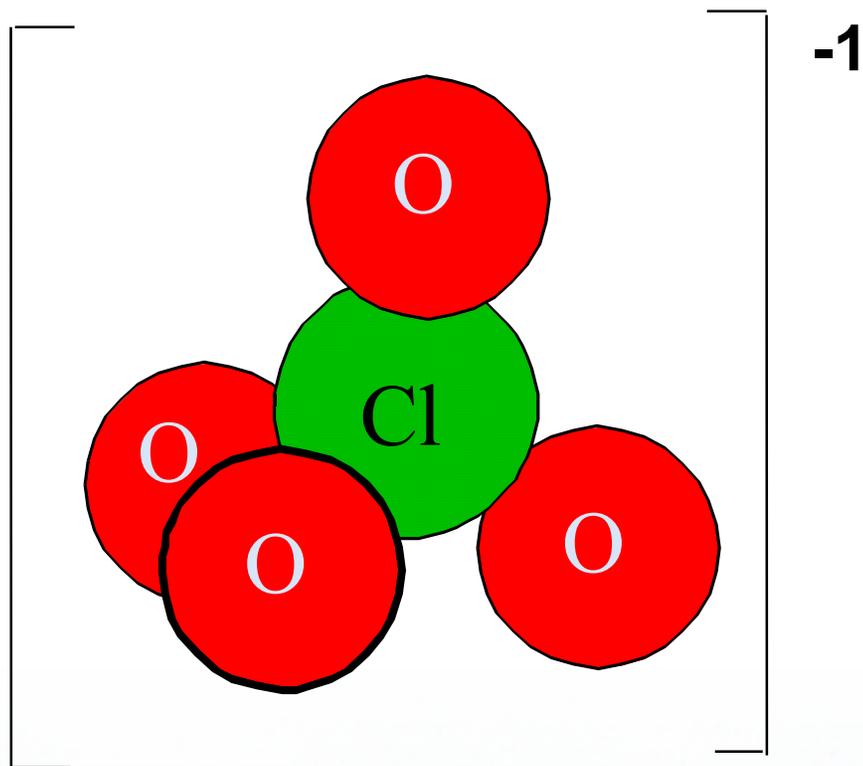
# *Ammonium Perchlorate - A national technical asset integral to strategic defense systems - ICBM, SLBM, NRO*

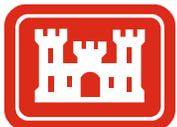




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# *Perchlorate – $ClO_4^-$*





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## *Defining Perchlorate*

- Inorganic salt used in solid rocket fuel as an oxidizer component in the solid propellant for rockets, missiles, and fireworks;
- Due to its shelf-life, it must be washed out of the missile and rocket inventory and be replaced with a fresh supply; and
- Large supplies of perchlorate have been disposed of at ammunition facilities.

