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Hughes County Winter Saltwater Spill

This site was remediated on 12/2 and contained, approximately, 200 cubic yards of salt contaminated soil. The site received, approximately, 3" of rain during the 91 days of treatment. Soil samples were collected on 10/27, and analyzed by Environmental Testing Inc/Oilab, Inc. for Total Soluble Salts (TSS), Conductivity (EC), and Chlorides (Cl).

Test	Pre-Treat	Treatment	Post Treat	Reduction
TSS	28,300 ppm	91 days	1,960 ppm	93%
EC	44,200 umhos/cm	91 days	3,070 umhos/cm	93%
Cl	15,000 mg/kg	91 days	651 mg/kg	96%

These reductions will continue to improve. The treatment cost will vary with the level of contamination.

The project included a combination of a salt remediation product, an organic fertilizer, and seed because a portion of the spill flowed off the pad site. These products were used to remediate the salt contamination and to promote the germination of seed to prove that the site was remediated and regenerated the soil back to productive agricultural use. The site has germinated and been released by the Oklahoma Corporation Commission Inspector.

Okla. Corp. Comm. Threshold Limits – TSS – 2,640 ppm, EC – 4,000 umhos/cm, Cl – 1,000 mg/kg.

This site was remediated during the coldest part of the winter.

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