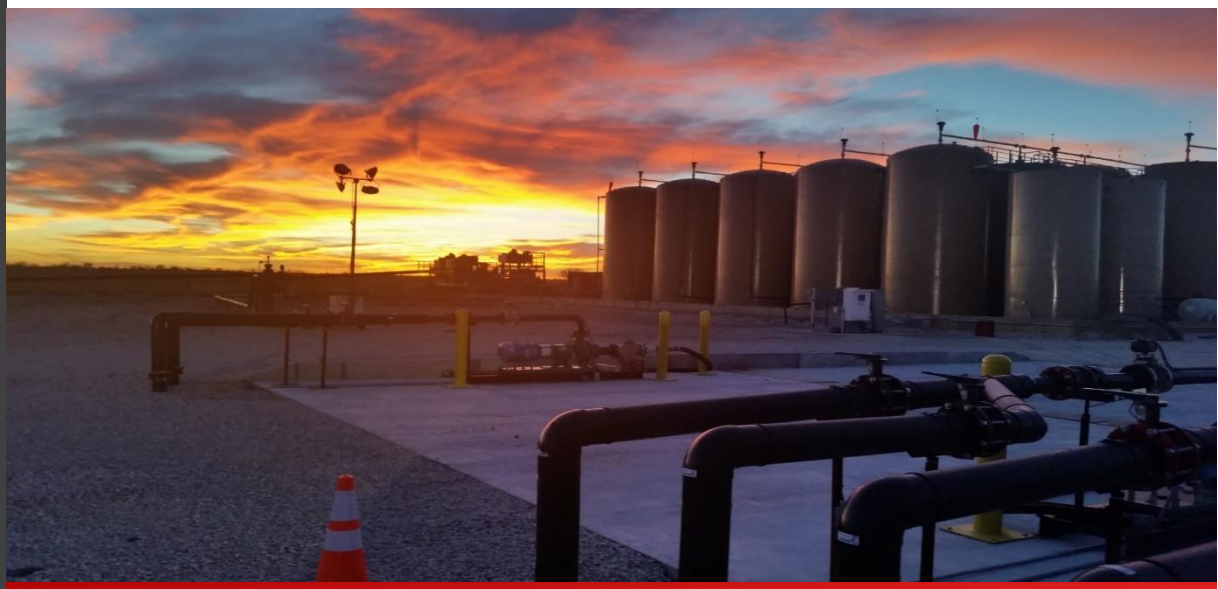
Advantek
Waste Management Services

KARNES COUNTY FACILITY

Handling complex wastes from the core of Eagle Ford servicing multiple major Oil & Gas operators



LOCATION

540 FM Rd 2985

Kenedy, Texas 78119

INJECTED WASTES

All UIC Class II (RCRA Exempt) wastes, including:

- cement returns
- flowback water
- muds
- pit waste
- premium washouts
- produced water
- tank bottoms, etc.

VOLUMES

Over 11.3 million bbls of Oil & Gas waste safey injected.

Daily Capacity: 25,000 bbls

ENVIRONMENTAL SOLUTION

- No surface liabilities
- No additional treatment, disposal or transportation
- Permanent safe disposal
- Greater protection for surface and undergraound acquifers

Disposing of Oilfiled Waste in An Environmentally Sensitive Manner

About our state of the art Karnes Facility

Injection Well: Reed #1

Injection Depth: 6,400-6655 ft

Injection Capacity: 25,000 bbls/day

Accepted Wastes:

Drilling Mud, Slurried Cement, Completion Fluids, Tank bottoms, Gel frac waters, Produced Water, High Chloride Material from Salt Formation Drilling, Oil & Gas Tank Battery Area Clean Up, Pipeline Leak/Repair Material/ pipeline excavation materials, Hydrotest materials

Storage available for: Muds, cement, gel and water

Storage Capacity: 23,000 bbls

Pipeline: 3,500 bbls/ day for produced water

Our team invented and commercialized the process of slurry injection

Slurry injection enables the disposal of any liquid or sludge waste with the smallest footprint and lowest long-term liability.

Our pioneering techniques can be deployed at the site of waste generation to eliminate costly trucking to distant landfills and landfarms or can be deployed at landfills to aid in managing liquid wastes and leachate.

The process is monitored daily to provide assurance of a safe operation thru the use of pressure sensors. Data is transmitted to our headquarters to our specialized team of engineers to verify that well conditions are optimal for a secure and permanent disposal into the targeted formation.

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Water and Solids Management Through Deep Earth Injection

FREQUENTLY ASKED QUESTIONS

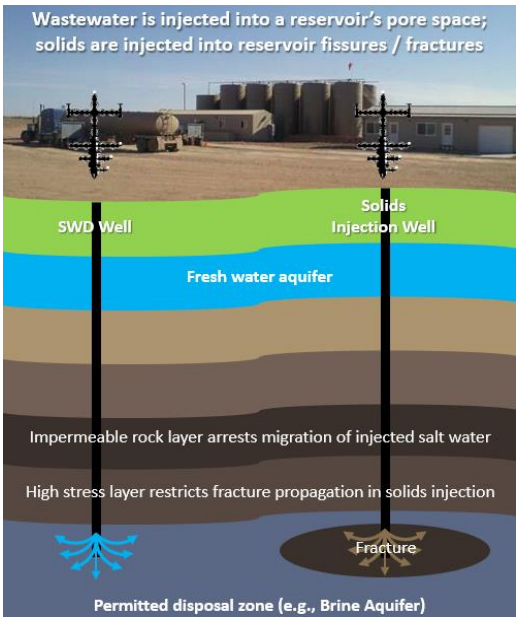
Q: Is waste injection safe for drinking water sources?
A: Yes, feasibility studies verify waste containment well below acquifers and protected zones. During operations, daily monitoring verifies a safe waste injection.

Q: Is waste injection safe for our planet's life?
A: Yes, waste injection is the safest method to prevent surface waste disposal and potential contamination. Deep injection will permanentky store wastes with 0 impact in our planet's life.

Q: Why evaluate this technology?
A: The status-quo is not enough and is not sustainable

Q: How to start a waste injection project?
A: Advantek can help you thru permiting, design, operations, and monitoring.

For more information on any of our products or services please visit us on the Web at: www.advantekwms.com



THE NEED

Millions of gallons of Oil & Gas wastes are generated each year by drilling, completion and production operations to extract hydrocarbons. Cuttings, muds, tank-bottoms, frac flow-back water, produced water are some of the materials that need proper diposal to minimize any environmental impact. However, costs of these activities are steadily increasing while the environmental impacts are becoming less tenable. Environmentally and economically sustainable alternatives are desperately needed.

THE SOLUTION

Injection technology to manage Oil & Gas wastes with significant environmental benefits. We call this technique Deep Well Injection; it was was first utlized and patented by Advantek in 1984. Through appropriate geological formation selection, well design, and advanced monitoring, waste can be conditioned and injected into targeted formations, ensuring permanent containment.

THE PROCESS

Sequestering contaminated solids by injection into a subsurface formation using slurry injection is the most safe, inexpensive, and permanent solution for managing complex materials. Selecting a site for an injection well requires balancing the subsurface, surface, and logistical considerations and matching them to the waste type, equipment and financial requirements for the project. The following are the recommended steps for injecton project development:

1. Perform feasibility study to verify suitability of target fornation, sealing formations, quantification of risks, financials, site and operational design.
2. Permit application and approval
3. Injection operations follow controlled operational design and risk mitigation procedures
4. Daily monitoring of the operations is required to predict and mitigate any risks

OUR SUPPORT

Advantek and our principals have been instrumental in inventing and promulgating deep well injection across the world over the past 35 years. Our patented software @SSURE™ permits the understanding of actual formation behavior while injecting. Our engineers and operational teams have the expertise to design and manage injection projects from start to finish with best practices acquired over decades. We have shared our expertise through over a hundred technical papers published in the literature

CONTACT US

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