



Advantek
Waste Management Services

LOCATION

415 FM 2913, Center
TX 75935

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 2.4 million bbls of Oil & Gas
waste safely injected since 2018.

Daily Capacity: 15,000 bbls.

ENVIRONMENTAL

SOLUTION

- No surface liabilities
- No additional treatment.
Disposal or transportation
- Permanent safe disposal
- Greater protection for
surface and underground
aquifers

SHELBY COUNTY FACILITY

Handling complex wastes from Oil & Gas
activities in Louisiana and Texas



Disposing of Oilfiled Waste in An Environmentally Sensitive Manner

About our state of the art Shelby Facility

Injection Well: Shelby Salty SWD #1

Injection Depth: 6,530 ft to 6,900 ft

Injection Capacity: 15,000 bbls/day

Accepted Wastes: Drilling Mud, Completion Fluids,
Tank bottoms, Produced Water, High Chloride Material
from Salt Formation Drilling, Oil & Gas Tank Battery
Area Clean Up, Pipeline Leak/Repair Material,
Hydrotest materials

Storage available for: Muds and water

Storage Capacity:

- 3,000 bbls of Mud Storage
- 3,400 bbls of Water Storage

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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FREQUENTLY ASKED QUESTIONS

Q: Is waste injection safe for drinking water sources?

A: Yes, feasibility studies verify waste containment well below aquifers 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 permanently store wastes with 0 impact in our planet's life.

Q: Why evaluate this technology?

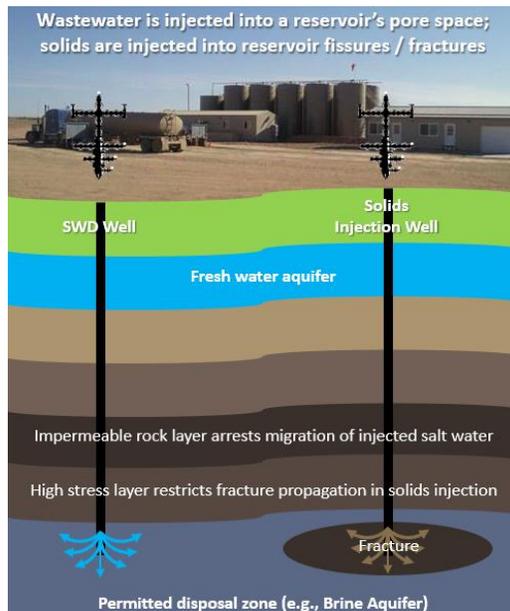
A: The status-quo is not enough and is not sustainable

Q: How to start a waste injection project?

A: Advantek can help you through permitting, design, operations, and monitoring.

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

Water and Solids Management Through Deep Earth Injection



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 disposal 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 first utilized 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 injection project development:

1. Perform feasibility study to verify suitability of target formation, 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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