

# FALCON Technologies polyurea eliminates leaks on salt water disposal

Polyurea offered by FALCON eliminated leaks on failing SWD with minimal maintenance and downtime

## San Augustine, Texas, USA

### The challenge

An in-ground 50' x 110' concrete salt water disposal facility with three interior walls spaced evenly across the width had multiple minor cracks and one major crack, which were all leaking water into the SWD. A solution was needed to stop the fluids from seeping into the facility. A liner system was required that would stop the leaks and be long-lasting with minimal maintenance. The decision was made with the client to use a modified polymer system as a liner for the installed concrete.

### The solution

After following proper surface preparation procedures to ensure complete adhesion to the concrete surfaces, the interior walls and floor of the SWD were lined with FALCON proprietary polyurea to create an impermeable barrier. As part of the surface preparation process, tests were conducted to ensure that salt residue was within acceptable limits. A proprietary primer was used, and upon complete curing the polyurea was sprayed on the entire facility. Finally, testing was performed to ensure complete and consistent coverage with the polyurea.

### The results

The liner provided a tough, long-lasting and low-maintenance solution that would be difficult to achieve by any other means. The downtime of the SWD was minimal due to the fast process and cure time of the polyurea and the durability of the product.

### Project Details

Client: Oil & Gas

Location: San Augustine, Texas, USA

Application: Salt water disposal

Product: FALCON Technologies polyurea sprayed on prepared concrete



Project size: 50' x 110' SWD 13' deep



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