

## TRUE SUCCESSES

# H<sub>2</sub>S Facility Vent Gas Scrubbing Optimized with 600SX

### Challenge

Regulatory testing performed on the customer's facility found H<sub>2</sub>S emissions to be above acceptable levels. The customer was given a two week time frame to correct the issue or risk the facility being shut down.

The facility was producing 9% H<sub>2</sub>S and traditional vent scrubber units would not work as product was spending too quickly and leading to increased operational costs.

### Solution

PureChem designed and engineered a solution using higher volumes of chemical to remove the H<sub>2</sub>S out of the solution gas. This system accommodates treating low pressure tanks due to the unique circulation system for contacting the H<sub>2</sub>S.

### Benefit

The unit can handle high H<sub>2</sub>S concentrations and can be used on low pressure fiberglass tanks with 6-12 oz. thief hatches.

9% H<sub>2</sub>S was treated with 600SX and reduced the emissions to 0.0 ppm.

The customer was very satisfied with the performance of the new H<sub>2</sub>S vent scrubber and the results met with the approval of the regulating body on its follow-up visit.

### Area

Manitoba

### Formation

Bakken, Lodgepole

### PureChem Product

600SX

