

H₂S Facility Vent Gas Scrubbing Optimized with 600SX

Area
Manitoba

Formation
Bakken, Lodgepole

PureChem Products
600SX



Challenge

Regulatory testing performed on the customer's facility found H₂S 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% H₂S 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 allowing larger volumes of chemical to be used to take the H₂S out of the solution gas. This system accommodates treating low pressure tanks due to the unique circulation system for contacting the H₂S.

Benefit

The unit can handle high H₂S concentrations and can be used on low pressure fiberglass tanks with 6-12 oz. thief hatches.

9% H₂S was treated with 600SX and reduced the emissions to 0.0ppm.

The customer was very satisfied with the performance of the new H₂S vent scrubber and the results met with approval of the regulating body on its follow-up visit.