

Diesel & Distillate Tank Replacement

Scope was to replace a decommissioned 80,000 barrel storage tank with a new tank of equal size. The new fixed-roof tank would be used to store diesel and various distillates. Rally provided multi-discipline engineering to define the basic project parameters (FEED phase), then produced all the detailed procurement and construction deliverables. The brownfield design challenges of this project included working around existing infrastructure (both above and below grade) and employing a novel kind of geomembrane liner for spill containment.

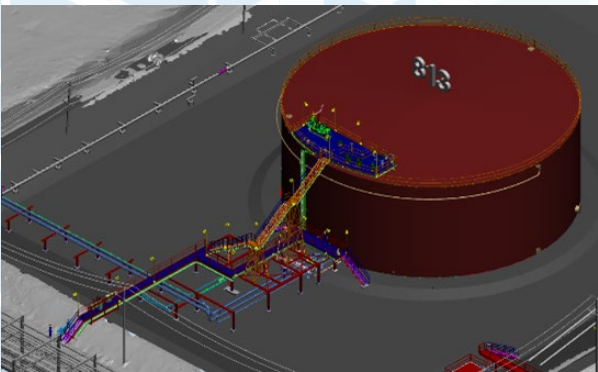


Diesel & Distillate Tank Replacement

Saskatchewan

Refining & Petrochemicals

\$13M TIC



SCOPE OF WORK

The original out-of-service tank was emptied, cut apart, and hauled away. A new tank was constructed atop a new tank pad foundation. A cathodic protection system and a Teranap elastomeric bitumen geomembrane liner were built into the granular foundation. The surrounding berms were reshaped for erosion protection, and the finished surface of the tank cell was regraded towards a new drainage sump.

DELIVERABLES

Construction Work Packages (CWPs) were delivered for tank and piping demolition, new tank completions and piping connections, earthworks, concrete / piling, grouting, structural steel, electrical and instrumentation work. Rally provided construction support for all CWPs. Material Requisitions were delivered to enable the purchase of the new API 650 tank, stairs, and rooftop platform; miscellaneous piping specialty items; tank cathodic protection system.