

Tank Terminal Expansion

Rally worked with the Client to increase the throughput of their tank terminal. The capacity to ship diluted bitumen was boosted by more than 50 percent. High-pressure pumping was enabled by two new 700 hp dilbit shipping pumps, complete with custody transfer metering and portable meter proving. New equipment was also installed to perform custody transfer metering of incoming condensate.



Tank Terminal Expansion

Alberta

Pipeline Facilities

\$80M TIC



Rally delivered all phases of engineering work, from initial concept development to front-end design, detailed engineering, procurement, and construction management. The work was divided into three main multi-discipline scopes to sharpen the focus on cost and schedule control.

#1: Ship 50 percent more diluted bitumen. Rally replaced the existing dilbit booster pumps with three new 1750 hp API 610 VS7 deep-can vertical pumps. The design scope included pump foundations, 4.16kV switchgear, piping, cabling, and electrical heat tracing.

#2: Installed two new 700 hp API 610 BB2 pumps to enable delivery of high-pressure dilbit. The scope included custody transfer metering and provisions for portable meter proving.

#3: Modified the existing terminal to facilitate custody transfer metering and meter proving capabilities for incoming condensate. Rally also designed an innovative underground road crossing which connected electrical equipment on either side of an existing roadway.