

WASTEWATER MANAGEMENT REVIEW AND FEASIBILITY



Client: Confidential BC Natural Gas Processing facility

Value: Confidential

Description: Feasibility and budgetary cost estimate of Overland Treatment of non-process wastewater at a proposed remote site. Review, feasibility and recommendation of alternative solution for wastewater management.

Scope: SDE was contracted by to prepare a feasibility assessment and capital cost estimate for a overland treatment facility at a proposed, remote site. SDE calculated the projected wastewater composition and treatment performance from proposed operating conditions of the plant and existing site characteristics. SDE calculated a budgetary cost estimate but found the project to be unfeasible due to short lifetime and poor economics.

SDE went on to review the alternative wastewater management systems such as Reduced Disposal volumes and Zero Liquid Discharge. SDE provided a feasibility study and budgetary cost estimate for a reduced disposal volume wastewater management system. This included review of the proposed boiler water treatment system, water balances and projected wastewater compositions for all options, and preliminary equipment specification.