

Environmental Conditions and Performance of Oil and Gas Sumps in Permafrost

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- To investigate the long term (15 – 30 years) performance of oil and gas sump sites situated in sporadic, discontinuous and continuous permafrost zones characterized by a wide range of permafrost-affected soils (Cryosols), ground ice conditions and thermal regimes;
- To evaluate potential contamination of permafrost
- To regulate ground-based examinations of well-site infrastructure and permafrost terrain to the integrity of existing engineering design of oil and gas and sumps used for the safe disposal of drilling wastes;
- To develop economical long term engineering design criteria for the disposal of drilling waste in remote permafrost regions characterized by a mid-range of Cryosols, ground ice and thermal regimes.