PIN- B SUBMITTAL: DEWATERING PLAN

May 1, 2009

As per the site specifications, excavations are required for identified contaminated soils and landfill remediation. During these excavations there is potential for the excavation to contain ground water and/or permafrost melt water. Prior to backfilling of the excavations with clean material, the specifications require the dewatering (removal) of this water.

All options to decrease the likelihood of surface water entry into an open excavation will be undertaken. These options may include but are not limited:

- Site regarding;
- Construction of drainage ditches; and,
- Installation of silt fencing.

All standing water at the site that requires removal for site operations will remain in place until samples are collected by the DR and analyzed for the required parameters as per the site specifications. If the analytical results indicate that the required parameters are below the concentrations listed in the specification the standing water will be removed and disposed of. If the laboratory analysis indicates parameter exceedances, the water will treated and be removed from the excavation to the onsite holding cell for confirmation analysis that the water if fit for discharge. The holding cell will be constructed using earthen berms and installation of a geomembrane liner, as described in the EGT Wastewater Treatment Plan. Water in the holding cell will have been treated as per the EGT Wastewater Treatment Plan. With this in mind it is important that areas of excavation with standing water be sampled as soon as reasonably possible to facilitate excavation.

There are several advantages to holding the standing water in the excavation/work areas, until receipt of the analytical results and excavation is ready to begin, these are listed below:

- Reduced volume of potentially contaminated water;
- Reduced water storage requirements; and,
- Reduced permafrost degradation.

Water will be removed from the excavations using a 2” gas powered trash pump with suction hose. Depending on the analytical results, water will either be treated and then transported to the holding cell or deposited at a site at least 30 meters from the excavation and 100 meters from fish bearing waters. In either case, the water will be removed before excavation or immediately prior to backfilling for water that has infiltrated into the excavation during active excavation. The final disposal location for non-contaminated/treated water will be preapproved by the DR and AHJ. Water will be moved from the trash pump to the disposal area using 2” lay flat hose. A flow disperser will be attached at the end of the pipe to reduce surface erosion at the disposal site. If surface erosion occurs the area will be regarded to the satisfaction of the DR.

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