

Taltson Hydro Secondary Containment Standard Operating Procedure

In accordance with the requirements of MVLWB Land Use Permit MV2020X0004 for the Taltson Overhaul, secondary containment is now required at Taltson Hydro for the duration of the permit as outlined in this Standard Operating Procedure :

- This Standard Operating Procedure is to be used in conjunction with the secondary containment practices as outlined in the *Taltson Hydroelectric Facility and Winter Road - Waste Management Plan*, and the *Taltson Hydroelectric Facility – Spill Contingency Plan*.
- Diesel fuel is the main hazardous material used and stored at the Facility. However, other materials and wastes such as gasoline, propane, acetylene, used oil, jet fuel and glycol are also stored, and used and/or generated on-site. All fuel caches, refueling points, and storage locations for hazardous materials, hazardous wastes and fuels are to be provided with secondary containment.
- Storage areas and associated secondary containment shall be protected from the elements, where possible. In case this is not feasible, the secondary containment's volume shall be large enough to allow for any precipitation (rain, snow, and storm water run-on) that may enter containment systems located outdoors.
- Secondary Containment shall be kept free of debris, water accumulation and snow.
 - Pumps have been provided on site to pump water out of secondary containment areas
 - Refer to NTPC Safe Work Practice 2.17- Berm Dewatering for more information on methods and practices
- Drip trays are to be deployed under all equipment containing hydrocarbons when equipment is not in operation (Figure 1) and emptied or replaced as required.



Figure 1 – Drip tray deployed under parked equipment



Figure 2 - Portable secondary containment under multiple drums

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- Tanks used for the storage of hazardous materials are to be double-walled.
- Drums should be located on site to store contaminated water and soil for shipping off site as per SWP 2.17 and the *Taltson Hydroelectric Facility and Winter Road - Waste Management Plan*.
- Portable Secondary Containment is to be used under barrels/drums, and dewatered regularly to ensure suitable capacity in the event of a hazardous material spill:
 - **Portable Secondary Containment shall be thoroughly inspected for product or oily sheen prior to dewatering.**
 - Free product shall be collected in 205 L drums and either processed with an oil/water separator or sent to a licensed facility for disposal.
 - Oily sheen shall be removed from secondary containment water prior to dewatering using oil only sorbent pads.
 - A spill kit shall be accessible during dewatering. Material used from spill kits shall be replaced.
 - Fuel tanks shall not be refilled during dewatering



Figure 3 - portable secondary containment under individual drums