
APPENDIX I

Dredging Plan



Purpose: To perform maintenance dredging in order to return draft of the Fibreco berth to the original design depth. To determine the amount and nature of dredge material and most environmentally effective way to dispose of it.

Highlights of the plan include

Scope

- Target dredge depth of 13.5m
- 4,050 m³ of material to be dredged
 - **Phase I** - 1,250 m³ is considered contaminated (upland disposal)
 - **Phase II** - 2,800 m³ is considered suitable for disposal at sea
- Sediment characterization determination
 - Core samples taken in the dredge area and lab tested
 - Elevated levels of cadmium and copper found on top 0.3m
 - Occasional evidence of zinc, arsenic, PAH's and tri-butyl tin exceeding Disposal at Sea (DAS) criteria
- Timing
 - Dredging will occur during the Fisheries and Oceans Canada (DFO) window between August 15 and February 28
 - Dredging of clean material (Phase II) to be completed during the following annual DFO Fisheries window depending on timing of obtaining the DAS Permit.
- Mitigation
 - Subsequent to Phase 1 dredging and following confirmatory sediment sampling, a DAS Permit Application will be submitted to Environment and Climate Change Canada (EC) to allow for the remaining native dredged material, approximately 2,800 m³, to be disposed at the Point Grey DAS site.
 - Dredging will be completed using a cable clamshell dredger in conjunction with a barge or a barge-mounted modified excavator.
- Sediment Disposal
 - Apply for Waste Approval Application for upland material
 - Truck contaminated sediment to licensed facility
 - Apply for Disposal at Sea (DAS) permit
 - Clean native material to disposed of at the Point Grey site