



BCTS
BC Timber Sales

**BC Timber Sales
Environmental Management System**

ENVIRONMENTAL FIELD PROCEDURE

EFP 08 Marine Log Handling Facilities

Purpose and Scope

This EFP applies to all licensees, permittee and contract workers involved in the construction, maintenance and operations of log dumps, helicopter water drop zones and direct barge-loading facilities. It outlines functional requirements to minimize impacts of these field activities on the environment. This EFP does not replace the requirements of legislation, licences, permits and contracts.

General

- Ensure that all applicable conditions within the Log Dump Best Management Practices (BMPs) Notification Package and/or Fisheries Act Authorization are understood and adhered to by all workers. This includes approved log dump designs, assessments, debris management plans, operating conditions and deactivation plans.
- All marine infrastructure such as anchors, boom sticks, dolphins, camps etc must be approved by Transport Canada under the authority of the Navigable Waters Protection Act and all conditions within the approval must be adhered to.
- Workers must be familiar with the location of areas which contain critical habitat in or adjacent to the facility and applicable timing windows and mitigation measures for herring, whales, and other marine mammals.
- Equip float camps and fuel barges with appropriate fuel storage and sewage containment or treatment facilities to prevent discharge of deleterious substances to water.
- Inspect all equipment on a regular basis for fuel and hydraulic leaks and repair or contain as needed.
- If you are handling fuel, you must understand your **Environmental Emergency Response Plan (eERP)** and personal responsibilities.

Construction

- Construct and operate all log dumps so that sea floor grounding of bundles, docks, walkways and float camps is avoided where practicable.
- Blasting within the foreshore should be conducted in a manner to reduce the impact from shock waves or fly rock to the marine environment.
- If blasted armour rock is required to construct or repair the log dump facility, use clean, uncontaminated rock.
- To prevent boom sticks from collapsing onto the shoreline, keep them offshore with stiff legs and/or anchors. If anchors are required, secure the lines, chains or cables such that excess line does not collect on the sea floor or form loops that may ensnare marine mammals.
- If concrete anchors are used, they are to be pre-cast and cured away from the water before use.

Operations

- Surfacing of the barge ramp or log dump facility must be regularly maintained. Surface runoff should be directed and managed in a way to reduce or eliminate the impacts of erosion and the potential deposition of sediments into the marine environment.
- All workers on the log dump must be briefed on and adhere to the conditions in the site specific Debris Management Plan.
- Limb logs and collect loose bark and wood debris as much as practicable before logs are transferred into the water. Loose debris and wood chunks should not be in the log bundles.
- Collect and remove bark and wood debris deposited at the skid way and adjacent upland, intertidal and shallow foreshore areas regularly, (e.g. daily if possible). Maintain a daily log of debris management measures taken.
- All accumulated wood waste and debris to be removed from the site and disposed of in an environmentally sound manner, such that there will be no impact to fresh water streams, wetlands or marine waters.
- Remove wood debris to appropriate designated temporary or permanent upland disposal locations only.
- Solid waste (cables, metal bands, machinery parts, metal drums, lubricant containers, etc.) must not be disposed of in or adjacent to the marine environment.
- Solid waste will be regularly collected, removed and disposed of in an environmentally sound manner.
- Ensure log bundles are tightly secured to prevent escape or breakage.
- Marine log storage will be restricted to authorised storage sites, and the duration of in-water log storage will be minimized.
- Avoid free-fall, violent helicopter dumping of logs into water.
- Enclose all helicopter log drop sites with a ring of double boom sticks.

STOP WORK

And contact your project supervisor or the BCTS representative if:

- You are uncertain of the project plan, your responsibilities, or hazardous/sensitive areas.
- A previously unidentified resource feature, resource value or sensitive area is found.
- You experience unfavourable weather or site conditions that could cause environmental damage.
- You observe conditions that have the potential for immediate environmental damage.
- You feel the proposed project plan will not work to achieve the desired outcomes.