



APPENDIX 8 DREDGING AND DUMPING SPECIFICATION

PURPOSE

To manage *Risks* associated with *Dredging* and *Dumping*.

WHO IS THIS FOR?

- *Marine Manager*;
- *Corporate Environmental Manager*;
- *Project Managers*
- *Contract Holders* and *Contractors* where work scope includes dredging works.

WHAT SITUATIONS ARE COVERED?

This document applies to all maritime activities of *Sakhalin Energy*, including activities undertaken by contractors on behalf of the *Company*.

This document covers all types of dredging and dumping for the purposes of the navigation and stabilization of the offshore assets and pipelines in inland sea waters, territorial waters adjacent zone, continental shelf and exclusive economical zone of the Russian Federation.

The document doesn't cover the custom requirements for transboundary movement of dredging and dumping materials to/from the territory of the Russian Federation.

REQUIREMENTS AND ACCOUNTABILITY OF COMPANY MANAGEMENT

1. Marine dredging works. [EIA Addendum Dredging and Dumping]
 - Any proposed dredging works and the determination of dumping locations shall be undertaken in consultation with the main environmental regulatory body.
 - Any dredging must be undertaken in compliance with the Federal Law "On inland sea waters, territorial waters and adjacent zone of the Russian Federation" and Water Code of the Russian Federation.
 - Disposal of wastes into inland sea waters, territorial waters and onshore water bodies is prohibited.
2. Dredging – Aniva Bay. [EIA Addendum – Dredging and Dumping in Aniva Bay]
 - All proposed dredging works and the dumping of material shall be undertaken in line with a Marine Operation Plan (MOP). The MOP for Aniva Bay shall be approved by the harbor authorities in Korsakov Port.
 - Dredging and dumping operations shall not be undertaken during the most sensitive period for salmon migration (May-September).
 - The dumping of dredged material outside of the designated area (radius of 200m at the water surface) at the dumping site shall be prohibited. Vessels provided with a GPS to determine exact position. Daily control of dumping operations shall be monitored through the use of records and inspections.
3. Dumping of the dredged materials in the inland and the territorial sea waters
 - According to the Federal Law "On inland sea waters, territorial waters and adjacent zone of the Russian Federation" and Water Code of the Russian Federation discharge of dangerous substances and the disposal of wastes and other materials, excepting the dumping of bottom sediments extracted during the dredging, are prohibited in onshore water bodies, inland and territorial sea waters.
 - Dumping of bottom sediments in inland and territorial sea waters extracted during the dredging is prohibited within protected areas and their exclusion zones, within the protected fishing zones of inland and territorial sea waters, as well as when bottom sediments contain dangerous substances from the list of dangerous substances validated by the Government of the Russian Federation in



MARINE ENVIRONMENT PROTECTION STANDARD

REV. 01

compliance with the "Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter 1972" (the "London Convention") and other international treaties of the Russian Federation.

- Dumping of bottom sediments in inland and territorial sea waters extracted during the dredging must be executed in compliance with the requirements of London Convention, other international treaties of the Russian Federation and the Federal Law "On inland sea waters, territorial waters and adjacent zone of the Russian Federation".
 - Dumping of bottom sediments in inland and territorial sea waters extracted during the dredging must be executed according to the permit issued by RF federal authority responsible for the state environmental supervision in inland and territorial sea waters. The application for the permit must contain all relevant information prescribed by Federal Law "On inland sea waters, territorial waters and adjacent zone of the Russian Federation", including the Programme of monitoring of the dumping site and the conditions of sea water during and after the dumping of the dredged materials to confirm the predicted environmental impact.
 - The application for the permit must include documentation substantiating the dumping of dredged materials. If the appropriate legislative requirements applicable the positive conclusion of State Environmental Expert Review (SEER) and water use permit for the dumping of dredged materials must be attached to the application for permit (not required for port waters).
4. Dumping of dredged materials on the continental shelf
- Dumping on the continental shelf of bottom sediments extracted during dredging must be executed in compliance with the requirements of London Convention, other international treaties of the Russian Federation and the Federal Law "On continental shelf of the Russian Federation".
 - Dumping on the continental shelf of bottom sediments extracted during the dredging must be executed according to the permit issued by RF federal authority responsible for the state environmental supervision on continental shelf to ensure secure localization of the disposed materials. The application for the permit must contain all relevant information prescribed by Federal Law "On continental shelf of the Russian Federation".
 - Issuing the permit for the dumping of dredged materials on the continental shelf is prohibited without the positive conclusion of State Environmental Expert Review (SEER).
 - The information on dumping operations commencements and completion, on the size of safety exclusion zone around the dumping site, on location, type and specifications of navigation aids and warning facilities should be timely submitted to RF Hydrographic Service, so that such information can be published in Notice to Mariners.
 - The environmental monitoring program for the area of dredging, transportation and dumping, as well as for the adjacent area, during operations and after their completion in order to confirm the predicted environmental impact must be agreed prior to the operations with RF federal authority responsible for the state environmental supervision on continental shelf.