



APPENDIX 1 MARINE ENVIRONMENT PROTECTION STANDARD OVERVIEW

PURPOSE

To manage *Risk to Marine Environment and Wildlife* arising from environmental aspects of *Sakhalin Energy Assets and Activities*, to monitor, assess and mitigate any potential negative impacts from all sources in compliance with Russian legislation, International Law, Lenders and Shareholders requirements and the best available practices.

To improve the capabilities for responding to marine emergency situations and ecosystem changes, including those resulting from the activities of other marine users.

WHO IS THIS FOR?

- *General HSE Manager*
- *Corporate Environmental Manager*
- *Asset Managers*
- *Project and other Managers*
- *Contract Holders*
- *Contractors*

WHAT SITUATIONS ARE COVERED?

This document applies to all Sakhalin Energy Assets, *Facilities*, operations, *Projects* and Activities, including Activities undertaken by contractors on behalf of the Company both within and outside the sovereignty and jurisdiction of the Russian Federation.

This document covers the introduction of all types of energy, materials and substances from all sources under control of Sakhalin Energy which may cause harm to marine environment and wildlife or lead to changes in marine ecosystems.

The following negative impacts on marine environment and wildlife should be managed in compliance with other relevant corporate Standards:

- **Chemical Pollution** – covered by Chemicals Management Standard ([0000-S-90-04-O-0252-00](#)) where only Chemicals fully compliant with Russian Federation legal requirements and approved by the Sakhalin Energy Chemicals Approval Panel (CAP) can be used.
- **Pollution through Air and GHG Emissions** – covered by Air Emissions and Energy Management Standard ([0000-S-90-04-O-0257-00](#))

Discharges and sewage from Offshore and Coastal Assets and Facilities – covered by *Offshore and Onshore Aqueous Discharges Specifications of Water Use Standard* ([0000-S-90-04-O-0255-00](#))

- **Discharge, sewage and garbage from vessels** – covered by Maritime HSE Standard ([1000-S-90-04-O-0014-00](#)) in compliance with the requirements of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78)
- **Oil Pollution** – covered by Oil Spill Preparedness and Response Specification of Emergency Preparedness and Response Standard ([0000-S-90-04-O-0014-00](#)) and Maritime HSE Standard ([1000-S-90-04-O-0014-00](#)) in compliance with the requirements of the International Convention on Oil Pollution Preparedness, Response and Co-operation, 1990 (OPRC-90) and the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78)



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- **Disposal of Wastes** – covered by Waste Management Standard ([0000-S-90-04-O-0258-00](#)) in compliance with Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter, 1972

REQUIREMENTS

The overall *Risk of Harm to Marine Environment and Wildlife* arising from environmental aspects of *Sakhalin Energy Assets and Activities* is centrally managed in corporate HSE Department.

The *General HSE Manager* and *Corporate Environment Manager* are responsible for the monitoring, assessment and mitigation of any potential negative impacts on the marine environment and wildlife from all sources in compliance with Russian legislation, international requirements and the best available practices and the improvement of the capabilities for responding to marine emergency situations and ecosystem changes, including those resulting from the activities of other marine users.

Managers are *Accountable* for requirements 1 to 5 in their own organisation:

1. **Protection of marine environment and wildlife** in compliance with requirements of:
 - a. Russian Federation legislation (overview is provided in [Legal Requirements for Marine Environment Protection](#)1), and
 - b. International Conventions, Lenders and Shareholders requirements as defined in [International Requirements for Marine Environment Protection](#).
 2. **Implement roles and responsibilities** as defined in the Appendices to the current Standard and other relevant Standards.
 3. **Conduct Impact Assessment (IA)**, including assessment of potential impacts on marine environment and wildlife, prior to all new activities or significant modifications to existing facilities, in accordance with the requirements of the [Managing Risk Standard](#) and [Impact Assessment specification](#). Stakeholder consultation shall be an integral part of any EIA, and EIA documentation shall be made available as part of public consultation.
 4. **Implement Controls and Mitigation Measures** to reduce the potential direct, secondary and cumulative impacts on marine environment and wildlife to *As Low As Reasonably Practicable* and meet requirement 1.
 5. Conduct marine environmental monitoring and assurance in accordance with the requirements from International Organizations, RF Authorities, [HSE Monitoring and Reporting Standard](#) and Sakhalin Energy HSE Audit Procedures.
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1 Underlined items in this document refer to Sakhalin Energy Controlled Documents.