



APPENDIX 5 BALLAST WATER SPECIFICATION

PURPOSE

Minimise the potential for the introduction of non-native invasive species through the discharge of ships' *Ballast Water* and ship fouling to marine ecosystems, and to reduce the risk to *As Low As Reasonably Practicable*.

WHO IS THIS FOR?

- *General Manager Shipping & Commercial Operations*
- *Marine Manager;*
- *Corporate Environmental Manager;*
- *Project Managers, Contract Holders and Contractors* which activities may cause the risk of introduction of invasive species in marine ecosystems
- *Captains of the vessels*

WHAT SITUATIONS ARE COVERED?

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

REQUIREMENTS AND ACCOUNTABILITY OF COMPANY MANAGEMENT

Marine Manager and General Manager Shipping & Commercial Operations are *Accountable* for requirements 1 to 2: within their own scope of activities.

1. **Establish and implement** the Sakhalin Energy Ballast Water Management Policy 1 in line with the above Purpose.
 - **Describe** this Policy in the Prigorodnoye Stringent Port Regulations and in the Company's Terminal Guidelines.
 - **Minimise** Ballast Water discharge and **reduce** the amount of sediment discharge to ALARP.
 - **Implement specific controls regarding Aniva Bay**, including water sample analysis and biodata monitoring in accordance with the above Policy and HSE Monitoring Overview.
 - **Make regular** Risk assessment of donor ports with the highest risk of importing viable non-native invasive species.
 - **Encourage positive reporting** of risk situations at donor ports which may influence ballast water uptake procedures.
2. Require Contractors to operate in full compliance with the Sakhalin Energy Ballast Water Management Policy, Stringent Russian Federation Prigorodnoye Port Regulations, and the International Convention for the Control and Management of Ship's Ballast Water and Sediment.
 - **Require all vessels** involved in marine activities carry and maintain a Ballast Water Management Plan and carry out ballast water exchange while on passage in accordance with IMO requirements.
 - The location and suitable **access points for sampling** ballast water or sediment should be described in the ship's ballast water management plan.
 - **Require all vessels to maintain appropriate records** of Water sampling, Ballast Water Exchange and/or treatment procedures, and provide required reports for collation by Sakhalin Energy. Records shall accurately record the dates, geographical locations, ship's tank(s) and cargo holds, ballast water temperature and salinity as well as the amount of any ballast water loaded or discharged. A responsible officer on each ship shall be appointed in this regard.

1 Underlined items in this document refer to Sakhalin Energy Controlled Documents.



MARINE ENVIRONMENT PROTECTION STANDARD

REV. 01

Contract Holder is Responsible for requirement 3.

3. Implement controls to minimise potential introduction of **non-native invasive species** via transport and/or import of people, vessels, equipment or materials (e.g. inspection / cleaning of equipment).