

**APPENDIX 9****Site Decommissioning****Purpose**

To decommission facilities and make a *Site*¹ suitable for its future proposed land use, ensuring protection of human health, safety and the environment and compliance with requirements of RF, Lenders, Shareholders, and any applicable commercial contracts or agreements.

Who is this for?

- *Asset Managers (onshore and offshore);*
- *Project Managers, Contract Holders and Contractors with work scope involving site decommissioning.*

Requirements

Managers are Accountable for requirements 1 to 6 in their own organisation:

- 1. Prepare and implement Decommissioning and/or Reinstatement Plans** for all Sites subject to closure and decommissioning.
 - a. Decommissioning and/or Reinstatement Plans shall address requirements 2 to 6 of this specification.
 - b. Decommissioning and reinstatement obligations may be defined by the terms of sales contracts, land transfer agreements and/or Government approvals. The requirement to decommission and reinstate construction camps, temporary worksites, laydown areas and closed facilities shall be determined in consultation with relevant regulatory authorities and landholders. In some instances landholders and/or regulatory authorities may elect to maintain a site for future purposes, in which case only partial or no site reinstatement may be required. Consider also liability issues, including requirement 5.
- 2. Remove the following on-site and off-site equipment and facilities** (except where exempted in accordance with requirement 1b):
 - a. Process pipework, vessels and instrumentation.
 - b. Above ground steelwork and concrete.
 - c. Concrete supports.
 - d. Buildings and associated facilities (e.g. buildings, camps, oil storage areas, waste storage areas, wastewater treatment systems, fencing).
 - e. When they are no longer required, on-site roads and temporary roads (e.g. roads to borrow areas, quarries), including any temporary bridges constructed as part of these roads,
 - f. Incidental scrap material and wastes.
- 3. Implement these specific requirements** (except where exempted in accordance with requirement 1b):
 - a. Roads existing prior to site activities, including access roads, shall be restored to a condition as good as or better than the condition prior to use by Sakhalin Energy. Roads that are no longer required for Sakhalin Energy business but are designated to remain in place shall not be maintained by Sakhalin Energy, unless required by regulation, permit or contract.
 - b. Buried piping that has been freed of hydrocarbons typically presents no significant risk to the environment. Hence, in some circumstances pipelines may be abandoned in place (e.g. where sections are buried under a road crossing or when there is a low risk of future liability due to emergence or collapse of the line).
 - c. Foundations shall be excavated below the surrounding land and backfilled with compacted granular fill, or other material according to the type of ground.
 - d. Waste pits and sewage pits shall be cleaned and backfilled.
 - e. Decommission water supply wells and groundwater monitoring wells that are no longer in use.

¹ Italicized terms in this document are included in the [Sakhalin Energy HSE Glossary](#).



- f. Offshore - The abandonment plan shall include an appropriate capping layer overlying the completed cell, and consideration of the existing exploration well.
4. **Waste** materials generated during site decommissioning and reinstatement activities shall be managed in accordance with the Waste Management Standard².
 5. **Manage potential soil and groundwater impact** in compliance with Soil and Groundwater Standard.
 6. **Implement Site restoration and reinstatement** in accordance with the Specifications: Soil Reclamation and Site Reinstatement; Onshore Pipelines Right of Way; and River Crossings.

² Underlined items in this document refer to Sakhalin Energy Controlled Documents.