

Acceptance decision

Prelude FLNG Environment Plan

This document provides notification of NOPSEMA’s decision made under regulation 10 of the Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Environment Regulations) to accept an environment plan.

Submission information

Titleholder¹:	Shell Australia Pty Ltd
Environment plan:	Prelude FLNG Environment Plan, Revision 4.0, Document No. 2000-010-G000-GE00-G00000-HE-5880-00002
Petroleum titles:	WA-44-L, WA-2-IL
Date first submitted to NOPSEMA:	18/01/2016
Activities type(s)²:	<ul style="list-style-type: none"> • Construction or installation of a facility • Operation of a facility • Recovery of petroleum using a subsea installation • Any other activity related to petroleum development that may have an impact on the environment
Activity overview: <i>As described in the accepted environment plan.</i>	<p>The scope of this Environment Plan includes FLNG arrival on-site, offshore works, hook-up and commissioning (HUC), start-up and the operate phase. This EP includes the FLNG facility itself, installation vessels and support vessels contracted for the offshore works and HUC activities, tug boats pulling the FLNG into Australian waters, and the support, supply, and in-field vessels required during the operate phase of the facility. The EP also includes transit of the support vessels and helicopter providing support to the FLNG operations and well intervention activities using a light well intervention vessel.</p> <p>The Prelude FLNG Project is in WA-44-L and WA-2-IL, in Commonwealth marine waters, 200km offshore northwest Australia and 460km north-north east of Broome, in 237m from Mean Sea Level (MSL) water depth. The Prelude FLNG facility is planned to be towed from South Korea where it was constructed and partially commissioned. The installation, hook-up and commissioning is planned upon arrival of the FLNG, from then the facility will be ready for start-up (RFSU). The Prelude FLNG facility is designed to stay on location and operate for 25 years.</p> <p>The Prelude FLNG Project comprises of the Prelude FLNG and subsea equipment including production wells, xmas trees, manifolds, flowlines, riser base manifold, flexible risers and an umbilical and subsea distribution hardware providing hydraulics, power, communications and chemical services to the subsea wells and subsea manifolds. The Prelude FLNG development has one drill centre with two 6-slot manifolds, a base case 7 production wells located</p>



3km south of the Prelude FLNG. The Prelude FLNG is connected to the gas reservoir via 12" flowlines and flexible risers routed to the turret.

The FLNG facility itself is approximately 488m long and 74m wide, and moored at the gas field location during the period of production. It is permanently moored during the operations phase, remaining on station during cyclones. The FLNG facility has been designed to withstand a 1 in 10,000-year weather event and with a field life of 25 years. The FLNG facility includes LNG, LPG and condensate storage as well as facilities for exporting these products to carriers. All reservoir, subsea control, processing, storage and loading functions are operated from the FLNG facility.

Infield support vessels will support the FLNG in station keeping during offloading of products, as well as provide Safety, Security and Emergency response support. Supply vessels will bring in materials and supplies into the facility and bring out wastes and supplies to and from Darwin Onshore Supply Base. Crew change will be via helicopter.

Decision:	Accepted
Decision date:	07/12/2016
Decision made by:	Representative of NOPSEMA: Environment Manager - Seismic & Production Operations

Basis of decision

NOPSEMA has assessed the environment plan in accordance with its assessment policies and procedures. Having regard to all information provided by, and referred to in the environment plan, NOPSEMA is reasonably satisfied that the environment plan meets the criteria set out in regulation 10A of the Environment Regulations.

Next steps for the petroleum activity

An environment plan summary must be provided to NOPSEMA within 10 days of this acceptance. regulation 11(4) requires that this document provide material from the accepted environment plan.

Once the summary document has been prepared to NOPSEMA satisfaction it will be published on NOPSEMA's website. NOPSEMA aims to have all environment plan summary documents published within 20 days of acceptance. This timeframe may vary should the document require amendment by the titleholder.

The titleholder is required to notify NOPSEMA 10 days prior to the commencement of the activity. This notification will be published on NOPSEMA's website.

Titleholder environmental performance requirements

A titleholder is required to undertake a petroleum activity in accordance with the accepted environment plan. It is an offence under the Environment Regulations to act in a manner contrary to the accepted environment plan. A titleholder must submit a revision to the environment plan in response to a new or increased environmental impact or risk, or a significant modification or stage of the activity not provided for in the accepted environment plan.

How to get further information

If you have any further questions regarding the activity it is suggested you contact the titleholder's nominated liaison person for the activity.

If you would like to access any further information regarding this decision, or would like to contact NOPSEMA please email environment@nopsema.gov.au.

¹ A titleholder includes an applicant for a petroleum access authority, petroleum special prospecting authority, pipeline licence, greenhouse gas search authority or greenhouse gas special authority under sub-regulation 9(2).

² Activity type as listed in the Offshore Petroleum and Greenhouse Gas Storage (Regulatory Levies) Regulations 2004