
From: [REDACTED]
Sent: Thursday, 9 July 2015 2:27 PM
To: [REDACTED]
Subject: Woodside Activity Update: Northern Endeavour Floating Production Storage and Offloading Vessel (FPSO) Decommissioning
Attachments: Woodside Activity Update - Northern Endeavour FPSO Decommissioning.pdf

Dear [REDACTED]

As part of Woodside's ongoing consultation for its current and future activities, we advise that we are seeking environmental approval to undertake decommissioning activities in Commonwealth waters.

Production is expected to cease from the Laminaria-Corallina fields located in petroleum production licence areas AC/L5 and WA-18-L, in the second half of 2016, with the departure of the Northern Endeavour FPSO vessel due to occur shortly thereafter.

The FPSO is located offshore within the Timor Sea and is about 550 km north-west of Darwin. Water depth is about 340 m.

All topside and subsea equipment will be flushed of hydrocarbons, prior to the permanent disconnection and removal of the Northern Endeavour FPSO. Production wells will be isolated and subsea equipment will be flushed and preserved in-situ until the wells are plugged and abandoned at a later date.

Plugging and abandonment of wells and the decommissioning of subsea equipment will be subject to future Environment Plan submissions.

In support of the proposed decommissioning activities, we will submit an Environment Plan to the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) for assessment.

An Activity Update is attached providing information on the proposed activities. The Activity Update will also be posted on our website at <http://www.woodside.com.au/Working-Sustainably/Society/Pages/Stakeholder-Engagement.aspx>.

Should you require additional information or have a comment to make about the proposed activities, please contact us by close of business on 7 August 2015 to allow us sufficient time to inform our activity planning and Environment Plan development. Comments can be made by return email, letter or by phone. A toll free 1800 number is provided on the attached Activity Update.

Please note that comments provided to Woodside will be included in the Environment Plan, which will be submitted to the NOPSEMA.

We look forward to hearing from you.

Kind regards

[REDACTED]
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Australia

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Woodside Activity Update

July 2015



Northern Endeavour Floating Production Storage and Offloading Vessel (FPSO) Decommissioning

Laminaria-Corallina Field Production Facility

Woodside is seeking environmental approval to undertake decommissioning activities in Commonwealth waters.

Production is expected to cease from the Laminaria-Corallina fields located in petroleum production licence areas AC/L5 and WA-18-L, in the second half of 2016, with the departure of the Northern Endeavour FPSO vessel due to occur shortly thereafter.

All topside and subsea equipment will be flushed of hydrocarbons, prior to the permanent disconnection and removal of the Northern Endeavour FPSO. Production wells will be isolated and subsea equipment will be flushed and preserved in-situ until the wells are plugged and abandoned at a later date.

Plugging and abandonment of wells and the decommissioning of subsea equipment will be subject to future Environment Plan submissions.

In accordance with the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth)*,

Woodside is required to submit an Environment Plan for the proposed activities.

Background

The Laminaria-Corallina fields were developed in a Joint Venture between Woodside (operator) and Talisman Oil and Gas (Australia) Pty Ltd, which has a 40.10% interest in the Laminaria field (WA-18-L) and a 33.33% interest in the Corallina field (AC/L5).

The current Laminaria-Corallina development consists of six production wells within the Laminaria field, two production wells within the Corallina field and a gas reinjection well. These wells are tied back to the Northern Endeavour FPSO via three subsea manifolds, associated flowlines and risers (a riser is the part of a flowline or control umbilical that rises from the seabed to the FPSO).

The Northern Endeavour FPSO is a 273 m long double-hulled permanently moored FPSO.

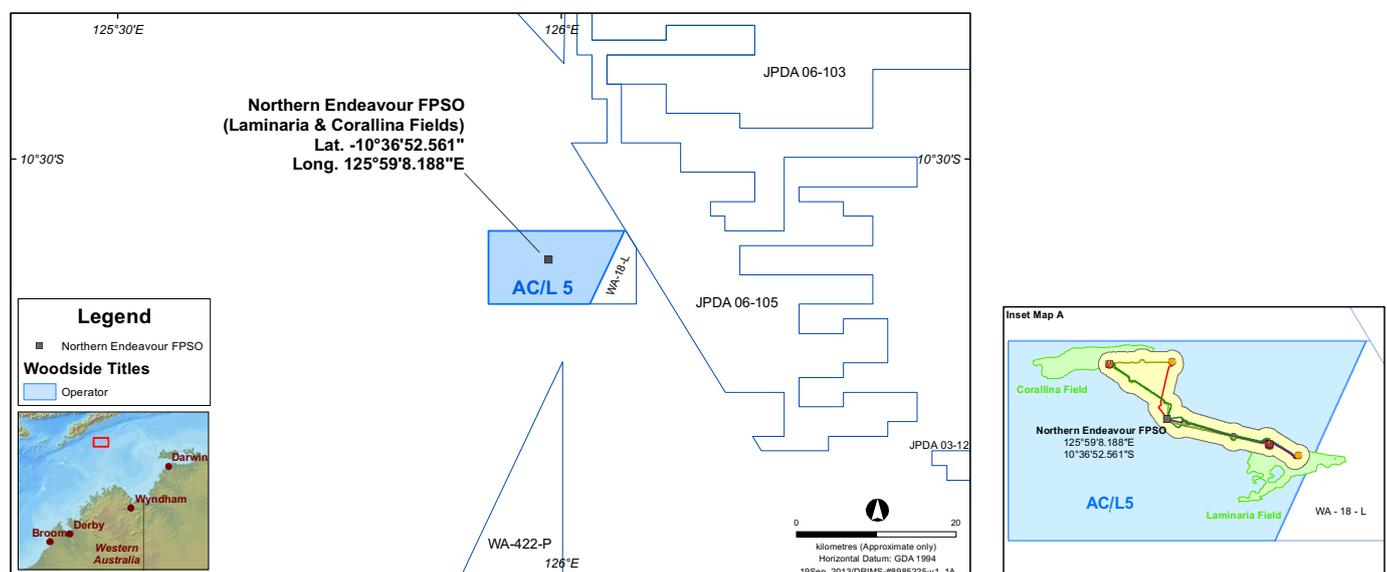


Figure 1: Location map for Laminaria- Corallina fields and North Endeavour FPSO

Activity Location

The Northern Endeavour FPSO and associated infrastructure is located in petroleum production licence AC/L5 in Commonwealth waters. The FPSO is located offshore within the Timor Sea and is about 550 km north-west of Darwin. Water depth is about 340 m.

Activities

Activities to be undertaken as part of the Environment Plan include:

- Isolate wells;
- Flush all subsea equipment from the FPSO, with some equipment flushed back to the FPSO and the remainder flushed back into the production wells;
- Flush the FPSO processing equipment;
- Disconnect flushed flowlines from manifolds and install pressure caps on the manifolds;
- Disconnect flushed risers from the FPSO, remove riser buoyancy modules and lay the risers on the seabed;
- Disconnect mooring lines from the FPSO and lower to the seabed; and
- Removal of the FPSO.

Environmental Management

Woodside has a long history of successfully conducting activities in an offshore environment.

Woodside has undertaken an environmental risk assessment for the proposed activities, considering timing, duration, location and potential environmental impacts arising from the activities. As a result, a number of mitigation and management measures will be implemented during the proposed activities, including:

- Measures will be taken to protect marine fauna and ecosystems from vessel activities and to prevent vessel collisions or groundings;
- Routine discharges will meet legal requirements and other wastes will be transported to shore for appropriate recycling/disposal;
- Appropriate surveillance of preserved subsea equipment will be maintained;
- Spill response plans, equipment and materials will be in place and maintained;
- Procedures and equipment that will be used to prevent spills to the environment; and
- Vessels will be assessed and managed as appropriate to manage the risk of introduced marine species.

Environment Approvals

An Environment Plan for the proposed activities will be submitted to the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) for acceptance in accordance with the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth)*.

Providing Feedback

If you would like to comment on the proposed activity outlined in this fact sheet or would like additional information, please contact Woodside before 7 August 2015.



Toll free: 1800 442 977

Please note that stakeholder feedback will be communicated to NOPSEMA as required under legislation. Woodside will communicate any material changes to the proposed activity to affected stakeholders as they arise. Proposed timing for the activity may be subject to change.

