

STYBARROW DECOMMISSIONING PROGRESS REPORT

Purpose

This annual decommissioning report provides a progress update on Woodside Energy Global Pty Ltd's (Woodside) decommissioning activities for the Stybarrow Field from 1 January 2023 to 31 December 2023, including planning towards and progress with undertaking the actions in accordance with the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) General Direction 833.

Description of Facilities

The Stybarrow Development area is located within title area WA-32-L offshore, 51 km to the northwest of the North West Cape of Western Australia in Commonwealth waters at water depths of approximately 700–1,000 metres (m). Woodside operates the titles on behalf of the titleholders.

Production commenced from Stybarrow in 2007 and ceased in 2015, at which time all wells were bull-headed, valves pressure tested and closed, and flowlines flushed with treated seawater.

The Stybarrow Facility subsea production system included production, gas injection and water injection wells, which were connected to the floating production storage and offloading (FPSO) via flexible flowlines and risers.

The subsea equipment consists of:

- 10 subsea production and injection wellheads and 10 Xmas trees located within four drill centres;
- five subsea distribution units;
- eight risers and a system of flexible flowlines connecting the subsea trees to distribution units and the spider buoy; and
- a single electro-hydraulic umbilical distributed through the field via a series of subsea distribution units (SDU).

During an echo sounding survey of the facilities in 2016, the Disconnectable Turret Mooring (DTM), or spider buoy, was found to have lost buoyancy and is now lying on the seabed at a depth of approximately 820 metres (m):

- the DTM lies on the seabed within 50 m of its nominal mean free floating plan position;
- risers and riser connection points are undamaged but are tangled at the base of the DTM;
- all nine mooring support buoys are no longer buoyant and lie on the seabed;
- the mooring system is intact and lies on the seabed; and
- all riser buoyancy remained intact and undamaged following the incident but have since been removed.

Titleholders

Following the merger between Woodside and BHP Petroleum on 1 June 2022, WA-32-L is held by Woodside Energy (Australia) Pty Ltd and Woodside Energy Ltd. Woodside Energy Global Pty Ltd is the operator of the title.

Once accepted by NOPSEMA, the Titleholder will publish this report on their website.

Legal Obligations

Until such time as decommissioning activities have been completed, Woodside will maintain property on the titles to ensure removal of the property is not precluded, as per the Woodside Subsea Integrity Management Plan.

At the completion of the field decommissioning activities, Woodside will provide, to the satisfaction of NOPSEMA, for the conservation and protection of the natural resources in the title area and the make good of any damage to the seabed or subsoil in the title area caused by any person engaged or concerned in the operations, within 12 months after property is removed.

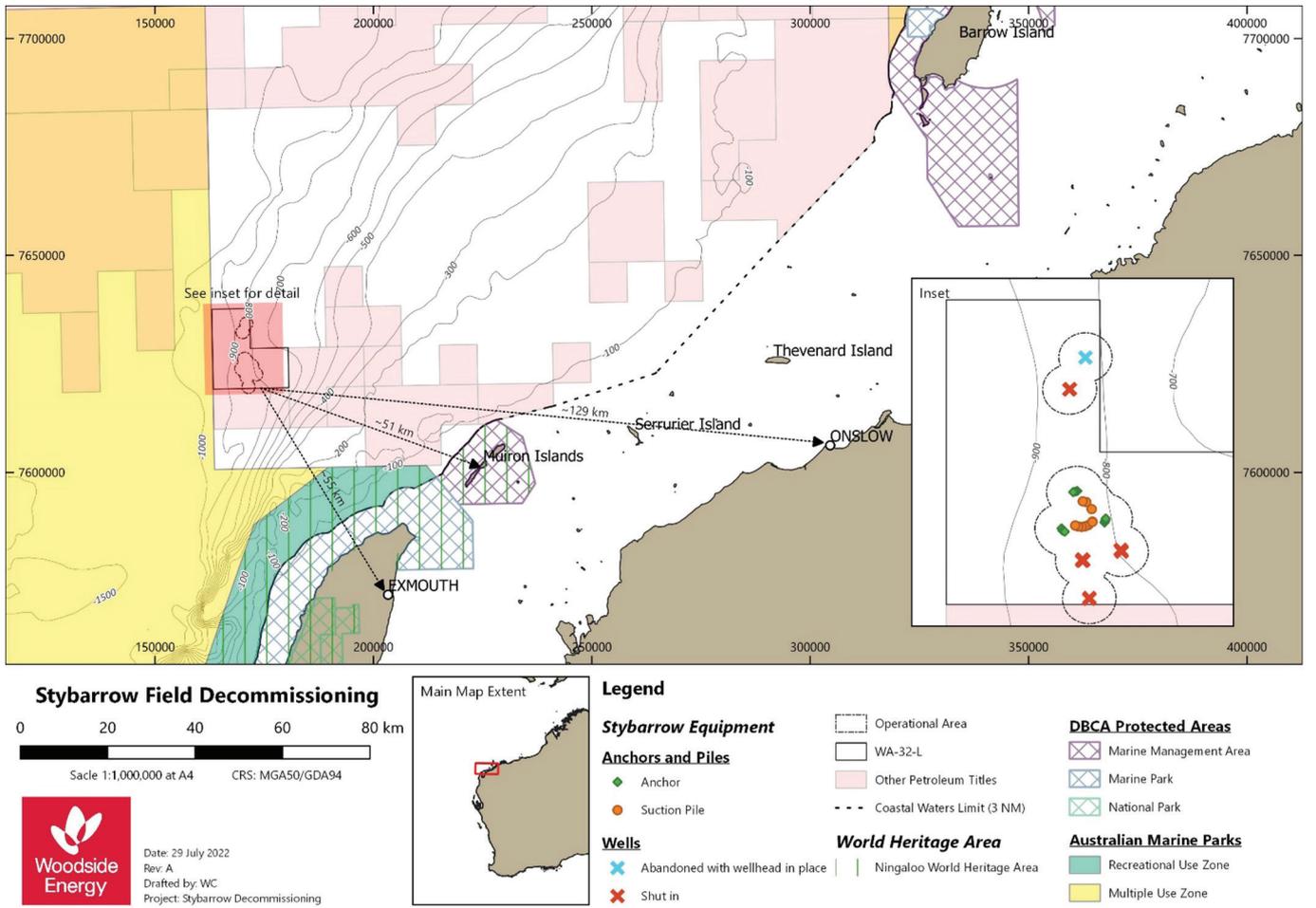


Figure 1 – Stybarrow Field Decommissioning

Decommissioning Progress in 2023

Following on from work commenced in 2021, Woodside is progressing an Environmental Plan Strategy to meet its obligations under the *Offshore Petroleum Greenhouse Gas Storage Act*. The Strategy separates Environmental Plans based on activity type, complexity and location.

Three Environment Plans have been submitted to NOPSEMA for the decommissioning of the Stybarrow field and are under assessment.

The ***Stybarrow Decommissioning and Field Management Environment Plan*** covers the following scope:

- remove subsea infrastructure within the Stybarrow field in title area WA-32-L;
- remove wellheads and associated infrastructure within the Stybarrow field in title area WA-32-L; and
- continue field management scopes which comprise inspection, maintenance, monitoring and repair (IMMR) and remotely operated vehicle (ROV) surveys on the subsea infrastructure, as required.

The Environment Plan was first submitted to NOPSEMA on 14 April 2022, and a further two submissions have been made in 2023 to address NOPSEMA's Request for Further Written Information (RFFWI). The Environment Plan was resubmitted to NOPSEMA in December 2023 and accepted in January 2024.

The ***Stybarrow End State Decommissioning (Deviation) Environment Plan*** covers the following scope:

- proposal to leave in situ nine suction bases, nine anchors and the Eskdale-1 wellhead, demonstrating an equal or better environmental outcome which is satisfactory to NOPSEMA.

The first revision of the Deviation Environment Plan was submitted in July 2022. The Environment Plan was resubmitted to NOPSEMA in January 2024.

The ***Stybarrow Well Plug and Abandonment (P&A) Environment Plan*** covers the following scope:

- P&A of 10 Stybarrow wells.

The Environment Plan was first submitted to NOPSEMA on 3 July 2023, the Environment Plan was resubmitted to NOPSEMA on 20 November 2023 and accepted on 21 December 2023.

All EP approvals have been subject to significant delays relating to changes in consultation requirements due to changes in law (*Santos NA Barossa Pty Ltd v Tipakalippa Federal Court decision*).

In addition to the development of the regulatory permissioning documents informing the scope, the following pre-execution activities were completed:

- EPRD facilities removal contract award, encompassing the removal and disposal scope outlined in the Stybarrow Decommissioning and Field Management EP, with the exception of the H4 flowline;
- Award of DTM recovery and disposal contracts;
- Completed pre-execution survey of field equipment Jul 2023 to confirm status;
- Award of Rig contract;
- Detailed design and procurement for P&A, facilities removal activities and equipment disposal by Execution contractors and associated sub-contractors;
- Pre-execution inspections and activities in the field, including the 5 yearly inspection of the wells;
- Commenced field execution for well P&A preparation.

Decommissioning Plan in 2024

It is anticipated that acceptance of the remaining Environment Plan and safety case addendums will occur in 2024. In addition, Woodside will progress other necessary approvals such as Sea Dumping Permits, as applicable.

During 2024, the following activities are planned:

- Field execution of well P&A, commencing around Q1 2024, with completion by 30 September 2024, as per General Direction 833.
- Field execution of the facilities removal scope;
- Field execution of the DTM recovery;
- Detailed design, procurement and in-field execution for the H4 flowline removal activities;
- Survey and sampling activities to inform title relinquishment requirements.

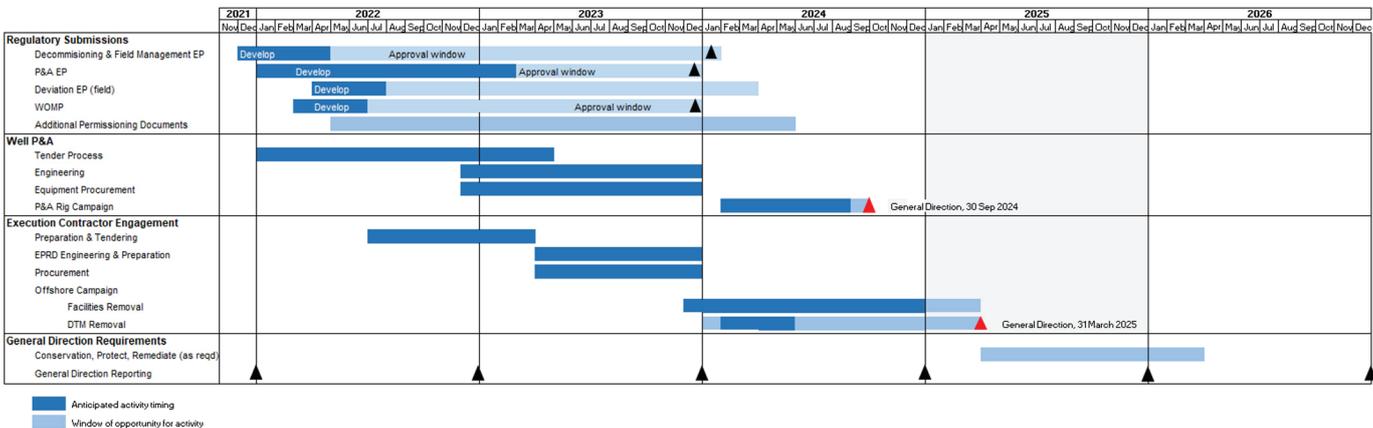
General Direction 833

Direction	Key Tasks	Progress in CY 2023	Look-ahead for CY 2024
<p>Direction 1</p> <p>Plug or close off, to the satisfaction of NOPSEMA, all wells made in the title area by any person engaged or concerned in operations authorised by the title as soon as practicable and no later than 30 September 2024.</p>	<ul style="list-style-type: none"> Rig EOI/contract P&A EP submission WOMP submission Safety Case development In field activities 	<ul style="list-style-type: none"> Rig contract awarded Q1 2023 Pre execution contract awarded Q3 2023 Procurement of long lead items P&A EP resubmitted November 2023 and accepted in December 2023 Submission delayed due to consultation updates associated with changes in law (<i>Santos NA Barossa Pty Ltd v Tipakalippa</i> Federal Court decision) WOMP submission on 23 August 2023 Received RFFWI on 24 October 2023 WOMP re-submitted on 7 November 2023 and accepted on 4 December 2023 Submission and acceptance of Safety Case updates Commenced pre-execution activities in field December 2023 	<ul style="list-style-type: none"> Rig commencing field work around Q1 2024, targeting completion by end Q3 2024
<p>Direction 2</p> <p>Remove, or cause to be removed, to the satisfaction of NOPSEMA, from the title area all property brought into that area by any person engaged or concerned in the operations authorised by the title as soon as practicable and no later than 31 March 2025.</p>	<ul style="list-style-type: none"> EP development, concept studies Decommissioning and Field Management EP submission and acceptance Deviation EP submission and acceptance Development of other regulatory permissioning documents Tender development, contract award In field activities 	<ul style="list-style-type: none"> Environment Plan Strategy and end states for equipment finalised Technical studies conducted on options for recovery of blocked H4 flowline Technical studies conducted on DTM recovery Acceptance delayed due to technical work required to develop scope for DTM and H4 flowline recovery and consultation updates associated with changes in law (<i>Santos NA Barossa Pty Ltd v Tipakalippa</i> Federal Court decision). EP was re-submitted in December 2023 and accepted in January 2024 RFFWI response delayed due to technical work required to develop scope for DTM and H4 flowline recovery Stybarrow Field Equipment Deviation EP was re-submitted in January 2024 Progression of technical studies to support deviation scopes (contaminants analysis) Continued engagement with DCCEEW regarding Sea Dumping Permits Submission and acceptance of Safety Case updates Facilities EPRD contract award around Q2 2023 DTM recovery contract award around Q2 2023 Detailed design and procurement for removal scopes Procurement of long lead items Pre execution survey activities completed July 2023 	<ul style="list-style-type: none"> Progress acceptance of remaining Stybarrow EP Pre execution activities in field around Q4 2023, ahead of vessel commencing facilities field work in 2024 Progress Sea Dumping Permits for suction piles, anchors and Eskdale-1 wellhead, following acceptance of deviation EP Scope specific safety case addendums to be submitted Commence and complete removal activities in field

Direction	Key Tasks	Progress in CY 2023	Look-ahead for CY 2024
<p>Direction 3</p> <p>Until such time as direction 1 are complete, maintain all property on the title to NOPSEMA's satisfaction, to ensure removal of the property is not precluded.</p>	<ul style="list-style-type: none"> In field activities 	<ul style="list-style-type: none"> Decommissioning and Field Management EP resubmitted in December 2023, detailing ongoing field management activities Integrity of the subsea infrastructure will be managed as outlined in the Woodside Stybarrow Subsea Integrity Management Plan 5 yearly inspection of wells completed in April 2023, as per Safety Case commitments 	<ul style="list-style-type: none"> Equipment status will be confirmed in pre-execution survey
<p>Direction 4</p> <p>Provide, to the satisfaction of NOPSEMA, for the conservation and protection of the natural resources in the title area within 12 months after property referred to in direction 1 is removed.</p>	<ul style="list-style-type: none"> EP development and submission 	<ul style="list-style-type: none"> Decommissioning and Field Management EP resubmitted in December 2023, detailing conservation and protection measures and how the requirements of section 270 will be met 	<ul style="list-style-type: none"> Progress acceptance of remaining EP relating to Stybarrow decommissioning activities
<p>Direction 5</p> <p>Make good, to the satisfaction of NOPSEMA, any damage to the seabed or subsoil in the title area caused by any person engaged or concerned in the operations authorised by the title within 12 months after the property referred to in Direction 1 is removed.</p>	<ul style="list-style-type: none"> EP development and submission 	<ul style="list-style-type: none"> Decommissioning and Field Management EP resubmitted in December 2023, detailing Make Good monitoring and determination measures and how the requirements of section 270 will be met 	<ul style="list-style-type: none"> Progress acceptance of remaining EP relating to Stybarrow decommissioning activities
<p>Direction 6</p> <p>Annual progress reporting until all directions have been met.</p>	<ul style="list-style-type: none"> Annual Progress report 	<ul style="list-style-type: none"> 2023 annual report submitted December 2023 	<ul style="list-style-type: none"> Submit annual progress report in December 2024

Schedule

An indicative schedule of the decommissioning activities is provided below:



Feedback

If you would like to comment on the proposed activities outlined in this information sheet, or would like additional information, please contact Woodside via:

E: Feedback@woodside.com

Toll free: 1800 442 977