

GRIFFIN DECOMMISSIONING PROGRESS REPORT

Purpose

This annual decommissioning report provides a progress update on Woodside Energy Global Pty Ltd's (Woodside) decommissioning activities for the Griffin 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 832.

Description of Facilities

The Griffin field is located within title areas WA-10-L and WA-12-L, located around 58 km north-west of Exmouth, Western Australia, in Commonwealth waters at water depths of approximately 130 metres (m). Woodside operates the titles on behalf of the titleholders.

When in production, the Griffin field comprised the Griffin Venture, a floating production, storage and offloading (FPSO) vessel, with 12 production wells from the Griffin, Scindian and Chinook reservoirs routed to the riser turret mooring (RTM) via flexible and rigid flowlines. Oil products were stabilised and stored for offloading via tanker, while gas products were transported to the shore via the Griffin gas export pipeline (GEP) for domestic sale.

The Griffin field ceased production in 2009. Since then, the following cessation activities have been completed:

- the Griffin Venture FPSO was disconnected from the RTM and demobilised from the field;
- all flowlines and gas lift lines were flushed and filled with treated seawater;
- the GEP was purged and pressurised with inert gas, for preservation purposes;

- all wells were plugged and abandoned;
- all Xmas trees (XTs) were removed and placed onto mud mats around 25 m from the wells;
- all mid-depth buoys (MDBs) were removed and recovered. MDB mooring chains were laid on the seabed at the concrete gravity bases; and
- flexible risers were laid on the seabed.

Title Holders

Following the merger between Woodside and BHP Petroleum on 1 June 2022, the titleholders for WA-10-L and WA-3-PL are Woodside Energy (Australia) Pty Ltd, Mobil Exploration and Producing Australia Pty Ltd and Inpex Alpha, Ltd. The titleholders for WA-12-L are Woodside Energy (Australia) Pty Ltd and Mobil Australia Resources Company Pty Limited. Woodside Energy Global Pty Ltd is the operator of the titles.

Once accepted by NOPSEMA, all titleholders will publish this report on their websites.

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 WA-10-L title area and the make good of any damage to the seabed or subsoil in the WA-10-L title area caused by any person engaged or concerned in the operations, within 12 months after property is removed.

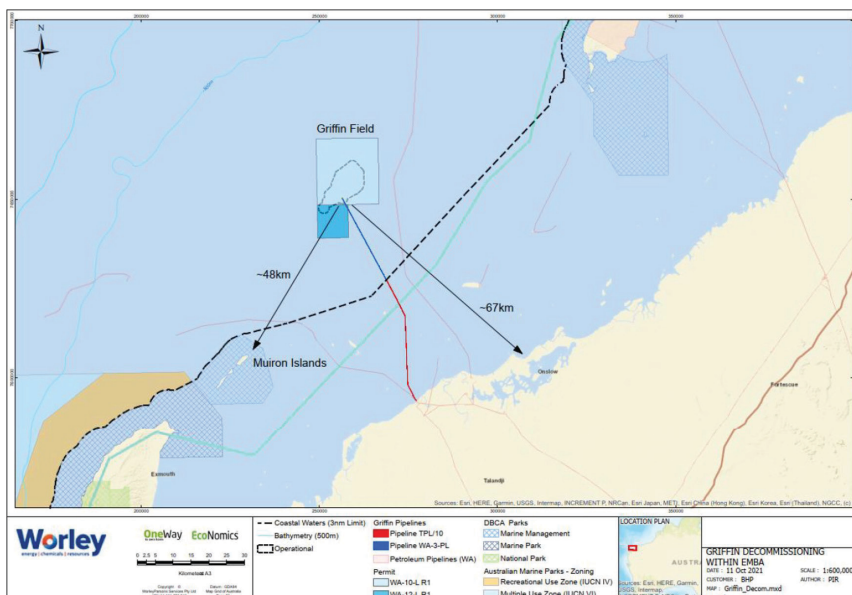


Figure 1 – Griffin Operational Area

Decommissioning Progress in 2023

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

Three Environment Plans have been submitted to NOPSEMA for the decommissioning of the Griffin field.

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

- remove subsea infrastructure within the Griffin field in title area WA-10-L;
- remove wellheads and associated infrastructure within title areas WA-10-L and WA-12-L; and
- continue field management scopes which comprise inspection, maintenance, monitoring and repair (IMMR) and remotely operated vehicle (ROV) surveys on the subsea infrastructure and gas export pipeline, as required.

The Environment Plan was first submitted to NOPSEMA on 22 December 2021, and further submissions have been made in 2022 and 2023 to address NOPSEMA's Request for Further Written Information (RFFWI). The Environment Plan was accepted on 21 November 2023.

The **Griffin Gas Export Pipeline Decommissioning Environment Plan** covers the following scope:

- pig the gas export pipeline (GEP) to prepare for pipeline removal in Commonwealth waters; and
- remove the GEP within Commonwealth waters.

The first revision of the Griffin GEP Decommissioning Environment Plan outlined a leave in situ option for the pipeline and was submitted in February 2022. Following regulatory feedback relating to the long term fate of the pipeline, and the timeframes described in the General Direction 832, the Environment Plan is being updated to enable removal activities. Further assessment will be undertaken post removal to better understand the effects that the production has had on the pipeline in order to support future decommissioning activities in the region. Woodside will continue to assess decommissioning options on a case by case basis, informed by science and consultation. The Environment Plan was accepted on 30 November 2023.

The **Griffin Field Equipment Deviation Environment Plan** covers the following scope:

- proposal to leave in situ six concrete gravity bases (CGBs), twelve anchors and five concrete piles cut at or below the mudline, demonstrating an equal or better environmental outcome which is satisfactory to NOPSEMA;

The first revision of the Griffin Field Equipment Environment Plan was submitted in March 2022. The Environment Plan was resubmitted to NOPSEMA in December 2023.

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

- Completed pre-execution survey of field equipment in July 2023 to confirm equipment status;
- Submission and acceptance of all Commonwealth and State facility safety cases;
- Acceptance of Griffin Decommissioning and Field Management EP;
- Submission of Griffin Gas Export Pipeline Decommissioning EP; and
- Mobilised vessels to region for RTM removal and in readiness for in-field decommissioning activities and unable to undertake activities due to additional consultation requirements associated with changes in law (Santos NA Barossa Pty Ltd v Tipakalippa Federal Court decision) resulted in delays in EP acceptance.

Decommissioning Plan in 2024

It is anticipated that acceptance of the outstanding Environment Plans 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:

- Commence and complete in-field decommissioning activities; and
- Closure of Directions 1 and 2 of General Direction 832.

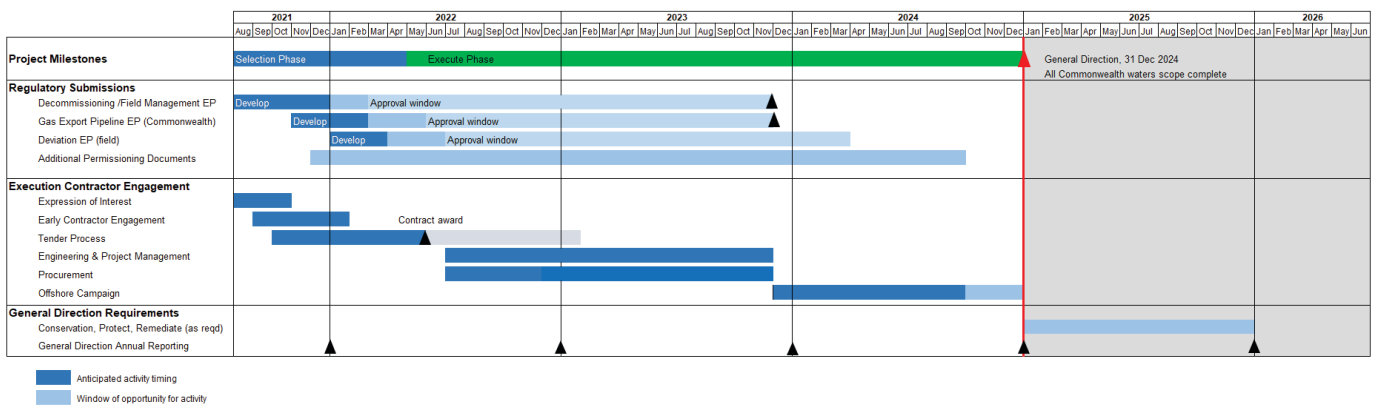
General Direction 832

Direction	Key Tasks	Progress in CY 2023	Look-ahead for CY 2024
<p>Direction 1</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 December 2024.</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 • Contract award, detailed design progression, field execution activities 	<ul style="list-style-type: none"> • 2 EPs accepted and 1 EP submitted • Environment Plan Strategy and end states for equipment finalised • Additional consultation requirements associated with changes in law (Santos NA Barossa Pty Ltd v Tipakalippa Federal Court decision) resulted in delays in EP acceptance • Griffin Field Equipment Deviation EP to be submitted in December 2023 • Progression of technical studies to support deviation scopes (contaminants analysis) • Continued engagement with DCCEEW regarding Sea Dumping Permits • Submission of Griffin Gas Export Pipeline (State) EP for assessment on 27 October 2023 • Submission and acceptance of Safety Case updates • Pre execution survey activities completed July 2023 • Mobilised Light Construction Vessel for in-field activities and demobilised vessel due to additional consultation requirements associated with changes in law (Santos NA Barossa Pty Ltd v Tipakalippa Federal Court decision) resulted in delays in EP acceptance • Mobilised Heavy Lift Vessel (HLV) and support vessels for in-field activities and demobilised vessel due to additional consultation requirements associated with changes in law (Santos NA Barossa Pty Ltd v Tipakalippa Federal Court decision) resulted in delays in EP acceptance • Commenced field execution activities with the Technip FMC Deep Orient in December 2023 	<ul style="list-style-type: none"> • Progress acceptance of Griffin Field Equipment Deviation Environment Plan • Progress Sea Dumping Permits for Griffin piles and CGBs • Progress acceptance of EP for Griffin Gas Export Pipeline (State) End State with DMIRS • Complete removal activities in field • Re-contract HLV and support vessels for RTM removal
<p>Direction 2</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"> • EP development and submission 	<ul style="list-style-type: none"> • Decommissioning and Field Management EP accepted, detailing ongoing field management activities • Integrity of the subsea infrastructure will be managed as outlined in the Griffin Subsea Integrity Management Plan 	<ul style="list-style-type: none"> • Progress surveys, field management activities as per accepted Decommissioning and Field Management EP
<p>Direction 3</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"> • Acceptance of the Decommissioning and Field Management EP which details conservation and protection measures and how the requirements of section 270 will be met 	<ul style="list-style-type: none"> • Progress surveys, field management activities as per accepted Decommissioning and Field Management EP

Direction	Key Tasks	Progress in CY 2023	Look-ahead for CY 2024
<p>Direction 4</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"> Acceptance of the Decommissioning and Field Management EP which details Make Good monitoring and determination measures and how the requirements of section 270 will be met 	<ul style="list-style-type: none"> Progress surveys, field management activities as per accepted Decommissioning and Field Management EP
<p>Direction 5</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