

# Decommissioning Annual Report

## Griffin Decommissioning Progress Report

### Purpose

This annual decommissioning report provides a progress update on Woodside Energy (Australia) Pty Ltd's (Woodside) decommissioning activities for the Griffin Field from 1 January 2024 to 31 December 2024, 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-3-PL, 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 preserved;
- the GEP was purged and pressurised with inert gas, for preservation purposes and has since been removed;

- all wells have been plugged and abandoned;
- all Xmas trees (XTs) have been removed;
- all mid-depth buoys (MDBs) were removed and recovered. MDB mooring chains were laid on the seabed at the concrete gravity bases;
- all subsea structures have been removed;
- flexible risers were laid on the seabed; and
- the riser turret mooring (RTM) has been removed.

Following the merger between Woodside and BHP Petroleum on 1 June 2022, the titleholder names for WA-10-L and WA-3-PL are now Woodside Energy (Australia) Pty Ltd, Mobil Exploration & Producing Australia Pty Ltd and Inpex Alpha, Ltd.

Once NOPSEMA's satisfaction has been obtained, all titleholders will publish this report on their websites.

### Legal Obligations

General Direction 832 provides that 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 areas and will make good of any damage to the seabed or subsoil in the title areas caused by any person engaged or concerned in the operations authorised by the titles, within 12 months after the property is removed.

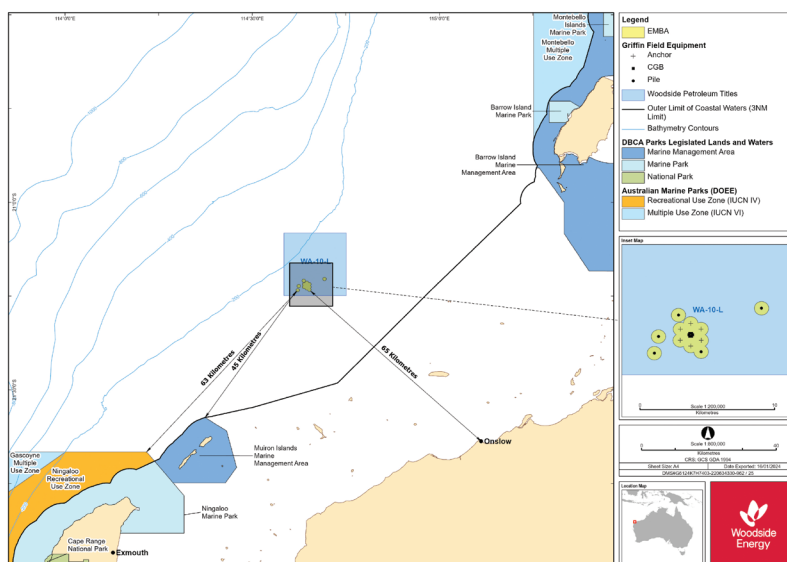


Figure 1 – Griffin Operational Area

## Decommissioning Progress in 2024

Following on from work commenced in 2021, Woodside has progressed an Environment Plan Strategy to meet its obligations under the *Offshore Petroleum and Greenhouse Gas Storage Act 2006* (Cth). The strategy separates Environment Plans based on activity type, complexity and location.

Three Environment Plans have been submitted and accepted by 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 area WA-10-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 pipeline licence WA-3-PL in 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 General Direction 832, the Environment Plan was updated to enable removal activities. The Environment Plan was accepted on 30 November 2023.

The **Griffin Field Decommissioning 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 Decommissioning Environment Plan was submitted in March 2022. The Environment Plan was resubmitted to NOPSEMA in December 2023 and accepted on 1 March 2024.

In addition to progressing the regulatory permissioning documents informing the scope, the following in-field execution activities were completed:

- 12 of 13 wellheads have been recovered;
- all 12 Xmas trees have been recovered;
- all 26 km of export pipeline and 12 km of infield rigid pipeline have been recovered;
- 23.1 km out of 23.2 km of umbilical have been recovered;
- the riser turret mooring (RTM) has been recovered;
- 5 of 6 mooring chains have been recovered; and
- 5 of 12 anchors recovered.

## General Direction 832

Direction	Key Tasks	Progress in CY 2024	Look-ahead for CY 2025
Direction 1  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.	<ul style="list-style-type: none"><li>• In-field execution</li></ul>	<ul style="list-style-type: none"><li>• 12 wellheads and all 12 Xmas trees have been removed.</li><li>• All 26 km of export and 12km of infield rigid pipeline have been removed.</li><li>• 23.1 km of 23.2 km of umbilical have been removed.</li><li>• 0.3 km of 63.4 km of flexible flowline have been recovered.</li><li>• The Griffin Riser Turret Mooring (RTM) has been successfully recovered and transported onshore to the Australian Marine Complex at Henderson, where it will be cleaned and deconstructed prior to recycling and reuse.</li><li>• 5 of 6 mooring chains have been recovered in December 2024.</li><li>• 5 of 12 anchors have been recovered.</li><li>• Whilst facilities removal activities have progressed, technical challenges were identified once in-field activities commenced that resulted in a revised assessment of facility conditions. Additional engineering solutions are underway to identify alternative recovery methodologies that accord with relevant health, safety, and the environment considerations.</li></ul>	<ul style="list-style-type: none"><li>• Continue progressing facilities removal activities.</li><li>• Complete mooring chain and anchor recovery.</li></ul>

Direction	Key Tasks	Progress in CY 2024	Look-ahead for CY 2025
<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"> <li>In-field execution</li> </ul>	<ul style="list-style-type: none"> <li>Decommissioning and Field Management EP details ongoing field management activities.</li> <li>Integrity of the subsea infrastructure will be managed as outlined in the Griffin Subsea Integrity Management Plan.</li> </ul>	<ul style="list-style-type: none"> <li>Continue field management activities as per accepted Decommissioning and Field Management EP.</li> </ul>
<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"> <li>In-field execution</li> </ul>	<ul style="list-style-type: none"> <li>Decommissioning and Field Management EP details conservation and protection measures and how the requirements of section 270 will be met.</li> </ul>	<ul style="list-style-type: none"> <li>Planning preparation for as-left survey and seabed sampling as per accepted Decommissioning and Field Management EP.</li> </ul>
<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"> <li>In-field execution</li> </ul>	<ul style="list-style-type: none"> <li>Decommissioning and Field Management EP details make good measures and how the requirements of section 270 will be met.</li> </ul>	<ul style="list-style-type: none"> <li>Planning preparation for as-left survey and seabed sampling as per accepted Decommissioning and Field Management EP.</li> </ul>
<p>Direction 5</p> <p>Annual progress reporting until all directions have been met.</p>	<ul style="list-style-type: none"> <li>Annual Progress report</li> </ul>	<ul style="list-style-type: none"> <li>Annual report submitted December 2024.</li> </ul>	<ul style="list-style-type: none"> <li>Submit annual progress report in December 2025.</li> </ul>