

MINERVA DECOMMISSIONING PROGRESS REPORT

Purpose

This annual decommissioning report provides a progress update on Woodside Energy Global Pty Ltd's decommissioning activities for the Minerva 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 831.

Description of Facilities

The offshore Minerva gas field is located in title area VIC/L22 and comprises the Minerva subsea pipeline which runs from the Minerva wells to the boundary of the Victorian State Waters. Title area VIC/PL33 is located in Commonwealth waters, approximately 11 km south, south-west of the township of Port Campbell, Victoria.

The Minerva Gas Field was discovered in March 1993. Production of the field ceased in September 2019 and the Minerva-3 and Minerva-4 wells were subsequently suspended.

The facilities encompass:

- four Minerva wells;
- associated subsea infrastructure in production licence VIC/L22;
- subsea pipeline (VIC/PL33) and piggyback umbilical bundle.

Since cessation, the following field activities have occurred:

- pipeline and flowlines flushed and preserved;

- well barriers isolated and tested;
- disconnection of the flowlines from the wells and plugging with pressure retaining plugs;
- subsea facilities integrity inspection completed with no issues identified.

Titleholders

Following the merger between Woodside and BHP Petroleum on 1 June 2022, the titleholders for VIC/L22 and VIC/PL33 are Woodside Energy (Victoria) Pty Ltd and Cooper Energy (MF) Pty Ltd. 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 Minerva 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 make good any damage to the seabed or subsoil in the title areas caused by any person engaged or concerned in the operations, within 12 months after property is removed.

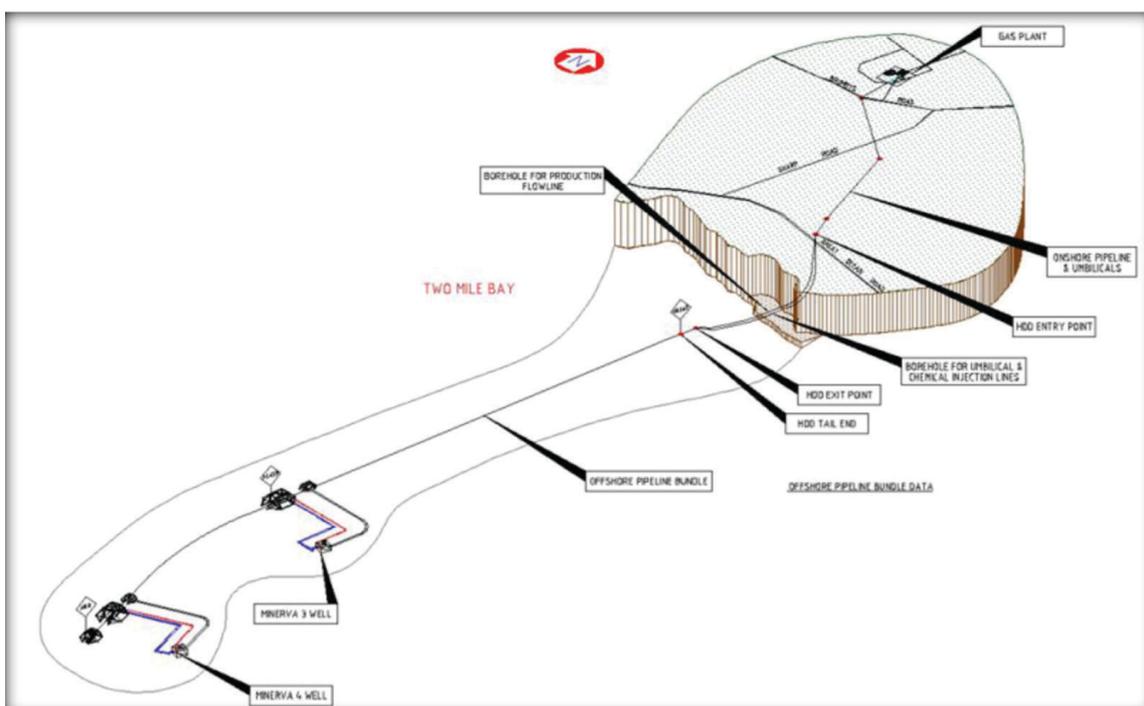


Figure 1 - Minerva Infrastructure Schematic

Decommissioning Progress in 2023

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.

Two Environment Plans are proposed to be submitted to NOPSEMA for the decommissioning of the Minerva field. Following studies conducted in 2022, all equipment is proposed to be removed from the field.

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

- P&A of four Minerva wells; and
- continue field management scopes which comprise inspection, maintenance, monitoring and repair (IMMR) and remotely operated vehicle (ROV) surveys on the remaining subsea infrastructure, as required.

The Environment Plan was first submitted on the 30 June 2022. The Environment Plan will be resubmitted to NOPSEMA in February 2024 to address NOPSEMA's Request for Further Written Information (RFFWI).

The **Minerva Facilities Decommissioning Environment Plan** covers the following scope:

- remove all subsea infrastructure within the Minerva field in title area

VIC/L22; and

- remove pipeline and pipeline bundle within Commonwealth waters in title area VIC/PL33.

The Environment Plan is under development and is anticipated to be submitted to NOPSEMA in February 2024.

During 2023, the following other activities were undertaken:

- ongoing development of permissioning documents;
- additional consultation with relevant persons;
- tender development and contract award for the well P&A scope; and
- tender development and evaluation of bids received for the facilities removal scope.

Decommissioning Plan in 2024

During 2024, the following activities are planned:

- submission and acceptance of regulatory permissioning documents;
- detailed design and equipment procurement for the well P&A scope;
- contract award, detailed design and equipment procurement for the facilities removal scope;
- field execution of the facilities removal scope in Q4 2024.

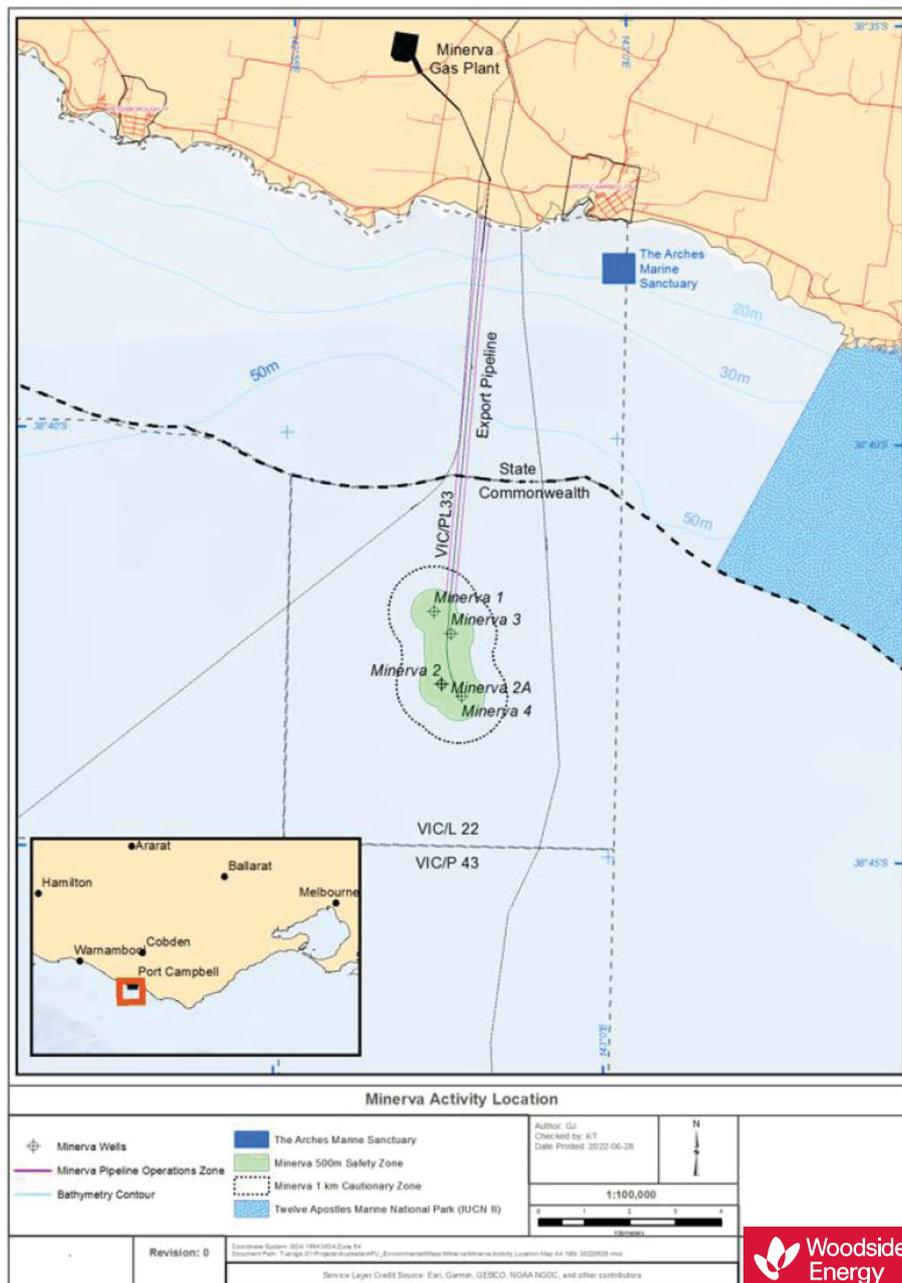


Figure 1 - Minerva Infrastructure Schematic



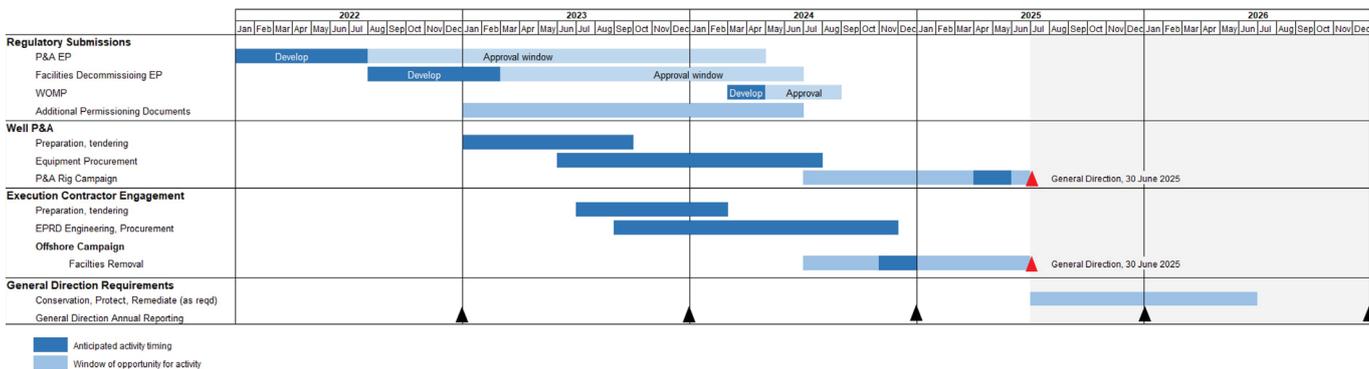
General Direction 831

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 June 2025.</p>	<ul style="list-style-type: none"> WOMP submission P&A EP submission Rig contracting 	<ul style="list-style-type: none"> WOMP submitted June 2022, conditionally accepted November 2022 P&A EP submitted 30 June 2022, RFFWI received 4 August 2022 Submission delayed due to consultation updates associated with changes in law (<i>Santos NA Barossa Pty Ltd v Tipakalippa</i> Federal Court decision) Rig contract award in Q2 2023 Regional rig consortium established with other local operators to establish rig sharing agreements 	<ul style="list-style-type: none"> WOMP update with detailed design on well kill methods completed Progress acceptance of two EPs relating to Minerva decommissioning activities Detailed design, procurement and preparation for field activities in Q1 2025
<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 authorized by the title as soon as practicable and no later than 30 June 2025.</p>	<ul style="list-style-type: none"> EP development, concept studies Decommissioning EP submission and acceptance Development of other regulatory permissioning documents Tender development, contract award 	<ul style="list-style-type: none"> Environment Plan Strategy and end state for equipment finalised, with all equipment proposed to be removed from the petroleum title Further contaminants analyses conducted on recovered offshore spools Facilities Decommissioning EP developed and submitted Submission delayed due to consultation updates associated changes in law (<i>Santos NA Barossa Pty Ltd v Tipakalippa</i> Federal Court decision) Safety Case revision accepted January 2022 No Sea Dumping Permits are required as all equipment is being removed Invitation to tender for EPRD scope developed and issued to market Q3 2023, tender evaluation and recommendation underway 	<ul style="list-style-type: none"> Waste management studies to be conducted Submission of Facilities Decommissioning EP Progress acceptance of two EPs relating to Minerva decommissioning activities Submission and acceptance of Safety Case updates, as required (dependent on activity timing) Contract award for facilities removal scope around Q1 2024 Detailed design and procurement, infield execution around Q4 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"> EP development and submission 	<ul style="list-style-type: none"> P&A and Field Management EP first submitted in June 2022, detailing ongoing field management activities Integrity of the subsea infrastructure will be managed as outlined in the Woodside Minerva Subsea Integrity. Management Plan 	<ul style="list-style-type: none"> Ongoing field management activities, as required No maintenance activities are planned in 2024 as 5 yearly inspections were completed in 2021
<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"> Facilities Decommissioning EP developed which details conservation and protection measures and how the requirements of section 270 will be met 	<ul style="list-style-type: none"> Progress acceptance of Facilities Decommissioning EP

Direction	Key Tasks	Progress in CY 2023	Look-ahead for CY 2024
Direction 5 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	<ul style="list-style-type: none"> EP development and submission 	<ul style="list-style-type: none"> Facilities Decommissioning EP developed 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 acceptance of Facilities Decommissioning EP
Direction 6 Annual progress reporting until all directions have been met	<ul style="list-style-type: none"> Annual progress report 	<ul style="list-style-type: none"> 2023 annual progress 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