

WA and NT Offshore Quarterly Update



About us

Santos is a global energy company, with operations across Australia, Papua New Guinea, Timor-Leste and North America. Santos provides reliable, affordable energy for progress and seeks to provide lower carbon energy over time.

We have interests in three of Western Australia's major domestic gas plants, located in the Pilbara region – Varanus Island (Operator), Devil Creek (Operator), and Macedon (non-Operator). We operate the Ningaloo Vision floating production, storage and offloading vessel (FPSO) and have non-operator interests in the Pyrenees Venture FPSO.

In the Northern Territory, we operate Darwin LNG, a gas liquefaction and storage facility that started production in 2006. Darwin LNG is currently supplied gas via a 500 km 26-inch subsea pipeline from the Bayu-Undan central production and processing complex in offshore Timor-Leste waters. The Barossa field is planned to be the source of gas to backfill Darwin LNG from 2025, following the end of field life at Bayu-Undan. The Barossa Gas Project is located 300 km north of Darwin.

Our current activities are focused on near-field exploration and development activities, ongoing operations at our existing facilities, carbon capture and storage, and the progressive decommissioning of facilities and infrastructure no longer required.

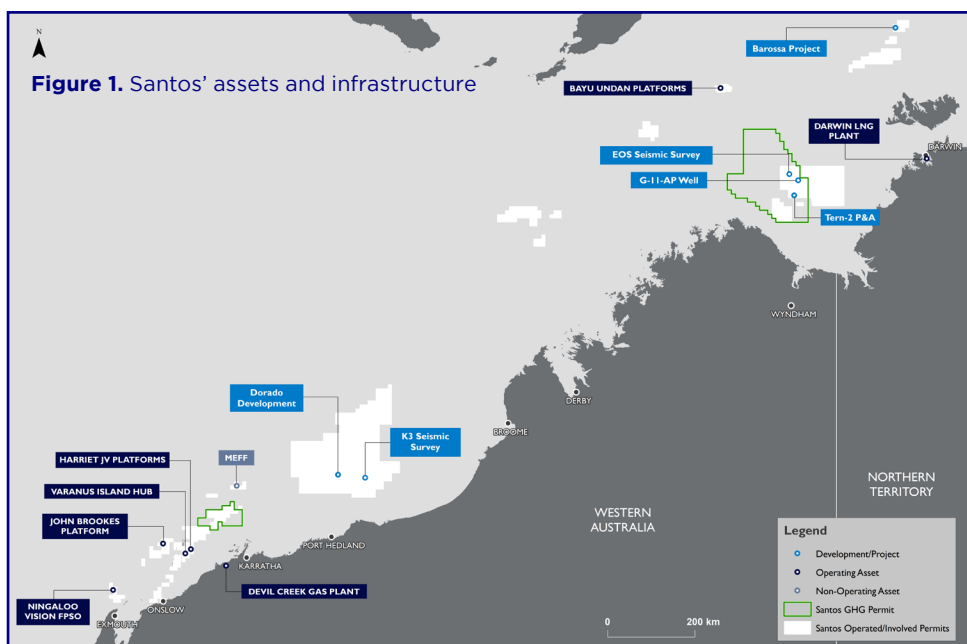
In this edition

This Quarterly Update combines our WA and NT offshore activities (excluding Barossa Gas Project) into a single reference, outlining proposed activities requiring consultation, as well as other information about planned activities in the field.

This Update includes information about:

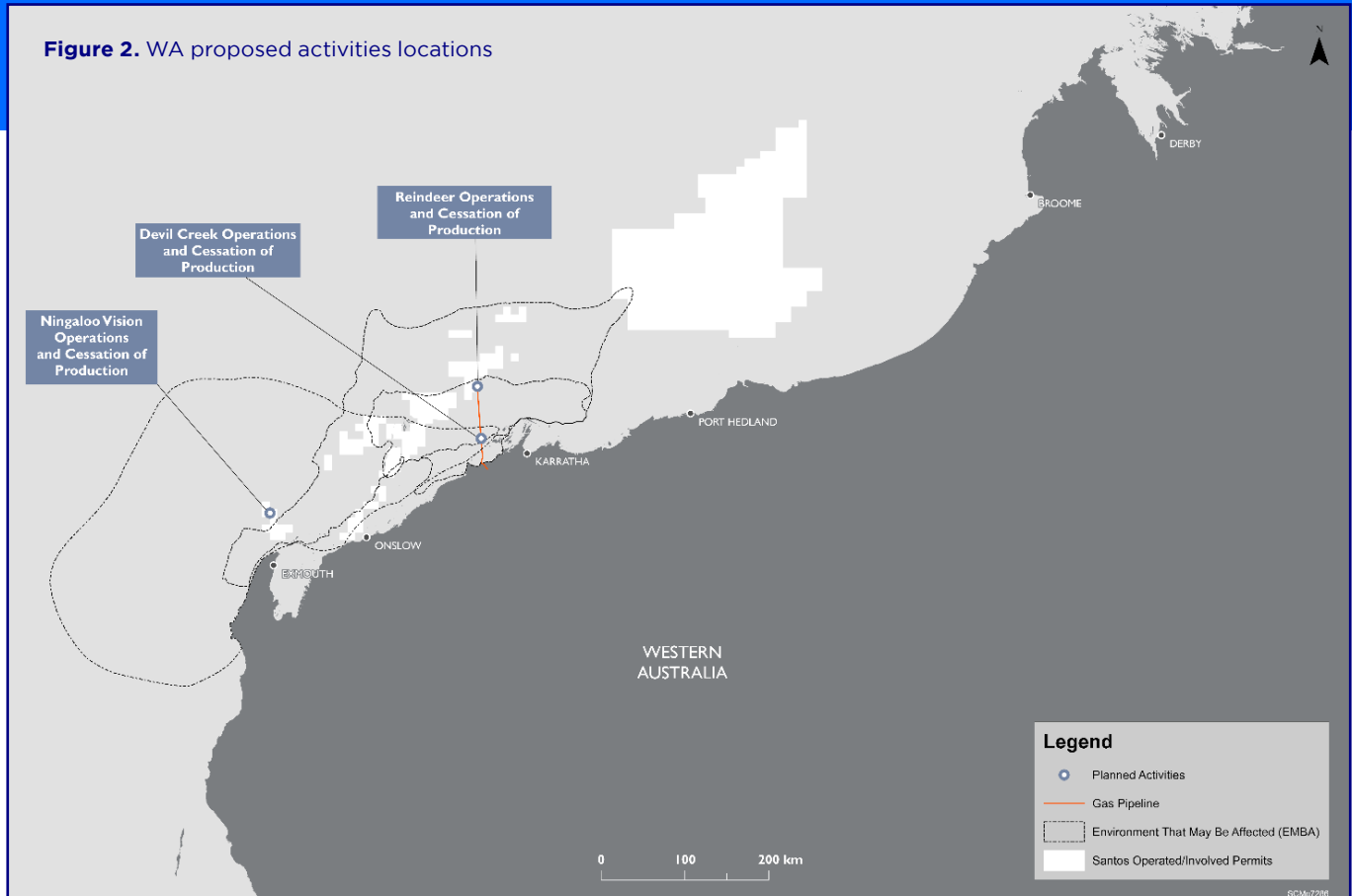
- Proposed Carnarvon Basin activities – Ningaloo Vision Cessation of Production and Floating Asset Removal activity, Reindeer Wellhead Platform and Offshore Gas Supply Pipeline Operations and Cessation of Production activity, and Devil Creek Gas Supply Pipeline and Sales Gas Pipeline Operations activity, opportunities for relevant persons to provide input.
- Existing activities and those currently being planned.
- Completed activities.

We look forward to sharing more with you as we progress our activities offshore NT and WA in 2024 and beyond.



WA Offshore proposed activity

Figure 2. WA proposed activities locations



Santos is developing Environment Plans for Ningaloo Vision Cessation of Production and Floating Asset Removal, Devil Creek Gas Supply Pipeline and Sales Gas Pipeline Operations, and Reindeer Wellhead Platform and Offshore Gas Supply Pipeline Operations and Cessation of Production (see **figure 2** for respective activity locations).

Operations, cessation and removal activities must have an Environment Plan (EP) accepted by the respective Commonwealth or Western Australian regulator before it can take place. Santos is required to consult with relevant persons about activities when preparing each EP. A relevant person includes a person or an organisation whose functions, interests or activities may be affected by the proposed activity.

As part of consultation, we are asking for relevant persons to provide any input on the proposed activities:

- Ningaloo Vision Cessation of Production and Floating Asset Removal Environment Plan by **28 June 2024**

- Devil Creek Gas Supply Pipeline and Sales Gas Pipeline Operations Environment Plan by **29 July 2024**
- Reindeer Wellhead Platform and Offshore Gas Supply Pipeline Operations and Cessation of Production Environment Plan by **29 July 2024**

If you consider you may be a relevant person but you need additional information or you think you are not on our consultation list, please contact Santos as soon as possible on **1800 267 600** or by email at offshore.consultation@santos.com or by completing the online [Relevant Person Nomination and Feedback Form](#).

More information on these activities can be found [here](#) or the links in **Table 1**.

Information about how community members can participate in environmental approvals for activities proposed in Commonwealth waters has been published by the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA). This [brochure](#) sets out titleholders' responsibilities for consultation.

Table 1. NT Proposed activities requiring Regulator acceptance**Seismic exploration activities****Eos 3D Marine Seismic Survey (MSS) Environment Plan**

Activity summary: 3D marine seismic survey activity to appraise carbon capture storage potential of Santos' greenhouse gas permit G-11-AP. Survey location is approximately 107 km from the nearest WA coastline and approximately 102 km from the nearest NT coastline. Activity commencement is planned for Q1 2025 at the earliest.

EP status: Submission to NOPSEMA planned for Q3 2024.

Drilling & plug and abandonment activities**Tern-2 Plug and Abandonment Environment Plan**

Activity summary: Permanent plug and abandonment activity for one historic well previously temporarily abandoned. The well is approximately 300 km WSW of Darwin, and approximately 106 km off the coastline of Western Australia. Activity commencement is planned for Q2 2025 at the earliest.

EP status: Submitted to NOPSEMA on 13 February 2024. Under assessment.

Operations activities**Bayu-Undan Gas Export Pipeline (BU GEP) Operations Environment Plan**

Activity summary: The previously accepted (2019) operations EP is the in-force EP for the GEP. It has been amended to include late-life operations and preservation activities.

EP status: Submitted to NOPSEMA on 12 April 2024. Under assessment.

Table 2. WA Proposed activities requiring Regulator acceptance**Drilling & plug and abandonment activities****Gibson South Plato Plug and Abandonment Environment Plan**

Activity summary: Plug and abandonment activities of four wells no longer required for production via the offshore Gibson facility. The wells are approximately 113 km north east of Onslow and 3km south of Varanus Island. Activity is planned to commence towards the end of Q2/beginning of Q3 2024.

EP status: Submitted to the Department of Energy, Mines, Petroleum, Industry Regulation and Safety (DEMIRS) on 10 October 2023. The EP was accepted on the 14th of June 2024.

Simpson A & B and Bambra Plug and Abandonment Addendum

Activity summary: Plug and abandonment activities of eight wells no longer required for production via the offshore Simpson facilities and removal of Bambra Sea Pole. The wells are approximately 117 km west of Dampier and within 500 m of Varanus Island. Activity has commenced in Q2 2024.

Activities at Bambra Sea Pole and Simpson A are now complete. Simpson B activities are underway and expected to be finalised towards the end of Q2 2024.

EP status: Accepted by DEMIRS on 20 December 2023.

Halyard Infill Project Environment Plan

Activity summary: Drilling of a development well and installation of subsea infrastructure to support ongoing production at the Varanus Island (VI) Hub. Halyard-2 will replace the existing well Halyard-1 which is going to be suspended. The drilling and operation of Halyard-2 will be managed through two environment plans – one for drilling of the well, subsea installation and pre-commissioning activities and the other being a revision of the VI Hub Operations EP, which will cover the commissioning and operation of Halyard-2. Halyard-2 is approximately 114 km north of Onslow. Activity commencement is planned from Q3 2024.

EP status: Submitted to NOPSEMA on 15 February 2024. Under assessment.

Table 2. Continued ... WA Proposed activities requiring Regulator acceptance**Decommissioning activities****Harriet Joint Venture (HJV) Environment Plans (one for Simpson offshore platforms and pipelines and one for the rest of the offshore Platforms)**

Activity summary: Decommissioning of the HJV field, comprising removal of all platforms and decommissioning of substructures, as well as pipelines associated with the Simpson facility. The HJV field is approximately 117 km west of Dampier and 117 km north east of Onslow. Activity commencement is planned from Q3 2024.

EP status: Submitted to DEMIRS on 20 December 2023. Under assessment.

Mutineer Exeter Fletcher Finucane (MEFF) Cessation of Operations and Decommissioning Environment Plan

Activity summary: Decommissioning of the MEFF field, comprising partial removal of subsea infrastructure. The MEFF field is approximately 147 km north of Dampier. Activity commencement is anticipated from Q1 2025.

EP status: Submitted to NOPSEMA on 25 July 2022. Under assessment.

WA-20-L Environment Plan

Activity summary: Leave in-situ one plugged and abandoned wellhead and monitoring unrelated ongoing gas seepage, approximately 101 km north of Dampier. The WA-20-L petroleum permit is subject to an ongoing environmental monitoring program for the duration of the EP to monitor gas release.

EP status: The date of initial submission was the 22nd of Feb 2022. Under assessment.

Planned activities

Planned activities for Q3 2024 onwards to be managed under Regulator-accepted EPs are outlined in Table 3.

Table 3. WA planned activities

Activity name	Activity	Permit number	Latitude	Longitude	Water depth (approx.)	Start date estimate	End date estimate	Exclusion zone details
Simpson A & B and Bambra	Plug and abandonment	TL/1	Coordinates available on request.		6 m to 27 m	6th April 2024	Q3 2024	500 m petroleum safety zone (PSZ) which acts as an exclusion zone surrounding the facility. Primary and Intermediate anchoring areas have also been included.
Gibson and South Plato	Plug and abandonment	TL/6	Coordinates available on request.		6.4 m	June 2024	October 2024	500 m petroleum safety zone (PSZ) which acts as an exclusion zone surrounding the facility. Primary and Intermediate anchoring areas have also been included.
Mutineer Exeter Fletcher Finucane (MEFF) Plug and Abandonment	Plug and abandonment	WA-26-L, WA-27-L and WA-54-L	Coordinates available on request.		130 m – 160 m	Started May 2024	Up to 12 months	500 m petroleum safety zone (PSZ) which acts as an exclusion zone surrounding the MODU.

Activity notifications

All activities will be managed under Regulator- accepted EPs. Please contact us if you would like to be notified prior to, during or following the completion of any activities listed above. **Email:** offshore.consultation@santos.com | **Toll free phone:** 1800 267 600.

Ongoing activities

Current ongoing activities (refer to **Figure 1.** Santo's assets and infrastructure) to be managed under Regulator-accepted EPs are outlined in Table 4.

Table 4.

Activity name	Activity	Latitude	Longitude	Water depth (approx.)	End date estimate	Exclusion zone details
Bayu-Undan GEP Ops	Operations	Coordinates available on request.		N/A, Pipeline	N/A, Pipeline.	0-134 m
Devil Creek Gas Plant (Reindeer facility, pipeline and gas plant)	Gas Production	Mardie, W.A		Reindeer platform at 61 m	Ongoing operations.	500 m around Reindeer Platform.
Mutineer-Exeter Field	Ceased Production	Coordinates available on request.		80 m to 160 m	Production from the field has ceased and subsea infrastructure is currently preserved.	500m around each drill center manifold and for the historic DTM location.
Ningaloo Vision FPSO	Oil Production	Coordinates available on request.		340 m	Ongoing operations.	500 m around FPSO.
Varanus Island Hub (State and Commonwealth waters)	Oil & Gas Production	Lowendal Islands, WA		Various offshore platforms from 5.3 m to 11 m	Ongoing operations. Environmental monitoring program ongoing at Varanus Island.	500 m around all offshore platforms (coordinates available on request).

Completed activities

There have been no activities completed since the last Quarterly Update.

Contact us

Email: offshore.consultation@santos.com | **Toll free phone:** 1800 267 600

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