

Stakeholder Consultation

Barossa Gas Project

In this edition



- NT pipeline installation completed in Darwin Harbour
- SURF Campaign 2 more than 50 percent completed
- FPSO Living Quarters set to be operational
- Drilling of wells continues in Barossa Field

Work progress highlights

The Barossa Gas Project is now more than 88 per cent complete with first gas expected in the third quarter of 2025.

Offshore works for the Darwin Pipeline Duplication (DPD) are nearing completion in NT Waters, to be immediately followed by installation of the final sections of pipeline in Commonwealth and NT Coastal Waters.

In remote Commonwealth waters off the Northern Territory (NT), the second phase of subsea infrastructure installation is continuing along with drilling of the production wells.

The Floating Production, Storage and Offloading (FPSO) vessel, currently in Singapore, is being prepared in readiness for its journey to Australia expected in the first quarter of 2025.

FPSO construction



Commissioning of the various FPSO systems has continued to plan, including the Main Topsides Generators which have all been successfully fired.

Preparations are also being made for the habitation of the Living Quarters by the FPSO crew starting in January.

Once onshore commissioning has been completed, the FPSO will be towed from Singapore to Australia using ocean-going tugs. Sail-away is on track for Q1 in 2025.

Following the FPSO's arrival in the Barossa Field it will be connected to the mooring system. Equipment and systems will all be tested during this commissioning stage in readiness for start-up operations.

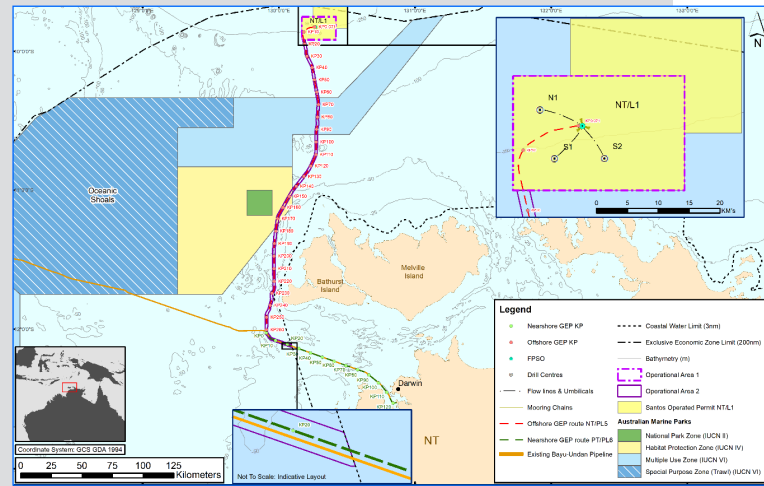
The FPSO, which will be permanently located in the Field, (subject to receipt of the necessary approvals) is 358m long and 64 meters wide and can accommodate up to 140 personnel.

Project Overview

The Barossa Gas Development, located approximately 285km offshore from Darwin in the Northern Territory, comprises a Floating Production Storage and Offloading (FPSO) facility, a subsea production system, supporting in-field subsea infrastructure and a gas export pipeline (GEP).

Once complete, the Barossa Gas Development will transport natural gas from the offshore Barossa field via the GEP to the existing Darwin liquefied natural gas (DLNG) facility.

The development is expected to commence delivering natural gas in 2025. Barossa gas is a critical energy source and will ensure affordable and reliable energy for Santos' customers for decades to come.



The Barossa Gas Development will create and sustain hundreds of jobs in the Northern Territory and will inject billions of dollars into the local economy, supporting the continued regional development of northern Australia.



Subsea Infrastructure Installation

The second campaign for the installation of subsea infrastructure in the Barossa Field, located 285km offshore from Darwin, commenced mid-November 2024 and will continue until end-March 2025, subject to weather conditions and operational performance.

Campaign 2 is approximately 50 percent complete with the S1 manifold and umbilicals having been installed, along with the spools, flying leads and jumpers at the S2 Drill Centre.

Pre-commissioning of the riser system and spools is due to commence in the near future, which will test the various connections and systems prior to production. All work has been completed to date in accordance with an accepted Environment Plan.



The third campaign will take place in Q2 / Q3 2025 when the drilling phase at the N1 Drill Centre is completed.

Once all installation and testing has been completed, a preservation phase will commence that will maintain the integrity of the infrastructure in readiness for future operations expected to start in 2025.



'Sandpiper' shallow water barge performing shorepull at DLNG



Installation of rock protection over the pipeline at the shore crossing

Darwin Pipeline Duplication

The DPD Project effectively involves 'duplicating' the existing Bayu-Undan to Darwin pipeline in NT internal waters, NT coastal waters and Commonwealth waters. Once in operation the new pipeline will only be used for transporting natural gas (not oil or condensate) from the Barossa gas field to the Darwin LNG (DLNG) facility.

All work has been completed to date in accordance with an accepted Environmental Management Plan. Since the commencement of works in NT internal waters in May 2024, significant progress has been achieved.

In December the shallow water barge 'Sandpiper' completed installing the first 30kms of the 92 kms section of pipeline in NT internal waters. The Sandpiper commenced with the shore crossing at DLNG and then installed the pipeline through Darwin harbour before handing over to the dynamically positioned pipelay vessel 'Audacia' to complete the section of the pipeline in deeper NT internal waters.

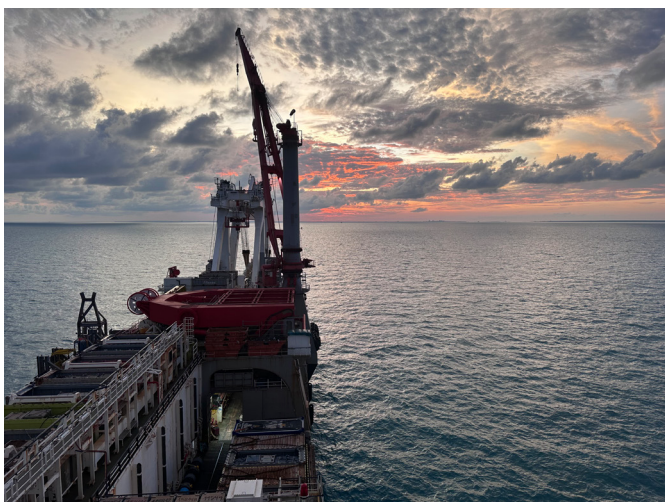
Installation of rock protection over the pipeline at the shore crossing at Wickham Point has been completed and installation of rock protection in deeper water within Darwin harbour continues.

Pipelay will then proceed into NT coastal waters (8 kms) and Commonwealth waters (23 kms) and is expected to be completed in early 2025. Pipeline survey and pre-commissioning will commence on the completion of pipelay activities.

The construction activities occur within a Project area, encompassing the pipeline route with an approximate 2 km buffer either side of the pipeline and the spoil disposal ground.

Other users of the marine environment are asked to exercise caution at all times and maintain a distance of at least 500 metres from any vessels undertaking the construction activities.

The activities are managed to ensure that environmental impacts and risks are avoided or mitigated to meet Santos and regulatory requirements.



The Audacia is now installing the pipeline in the deeper waters outside Darwin Harbour



Welding of pipeline sections aboard the Audacia

Drilling and Completions

Drilling of the six development wells is continuing at the Barossa Field, 285km offshore from Darwin. The moored semisubmersible mobile offshore drilling unit (MODU) is currently positioned at the North 1 (N1) drill centre location.

All work has been completed to date in accordance with the accepted Environment Plan and without any environmental incidents.

Work at the N1 drill centre location is planned to continue during the first half of 2025. The entire drilling campaign, including completions and installation of subsea vertical trees, is still expected to take approximately 24 months in total. All schedule estimates are subject to weather and operational performance.

Drilling activities occur within a 2.5-km radius of each well. During drilling, a 500-metre exclusion zone (known as a petroleum safety zone) is in place around the MODU. Vessels are prohibited from entering or being present in a petroleum safety zone without authorisation.



The Valaris MS-1 mobile offshore drilling unit

The MODU continues to be supported by helicopters and up to four support vessels which transit between the development area and onshore supply base in Darwin as required.

Work Opportunities

Several First Nations people continue to be engaged in Santos' funded roles/ training programs that work offshore in positions related to the Barossa Gas Project.

These comprise five Larrakia and Tiwi people engaged in offshore assistant roles on the Santos' contracted drilling rig, one Tiwi man engaged as a Cultural Monitor on SURF activities and a Larrakia man engaged as a Cultural Monitor on DPD activities.

In addition, two Santos Offshore Health, Safety and Environment (HSE) Advisor Trainees have been recruited and are now undertaking a formal 18-24 month traineeship to obtain a Certificate IV in HSE. Both are currently working offshore on the Santos' contracted drill rig under the leadership of Santos HSE team members.

Another Tiwi man, one of the trainees in the offshore assistant training program on the Santos contracted drill rig, has transitioned from offshore assistant to a core roustabout position, where he continues in his role.

First Nations people represent more than 55% of Santos' current trainees and apprentices in the NT.

Barossa Aboriginal Future Fund

Santos' Barossa Aboriginal Future Fund (BAFF) aims to invest in projects that will directly benefit NT Aboriginal Coastal Communities.

The Fund will invest in projects and programs that improve community infrastructure, health, education, housing, and economic outcomes and support employment pathways.

The Fund will also support First Nations people to maintain cultural practices, carry out cultural obligations and care for country.

The Barossa Joint Venture Partners initial contribution to the Fund is \$10 million, with additional payments to be made into the Fund once Barossa starts producing and selling gas.

Santos is working with our Barossa Joint Venture Partners to finalise the revenue stream for the Fund and establish legal structures with sound governance.

Santos wants to listen to NT Coastal Aboriginal people about the needs for their communities.

If you want more information or want to share your ideas, you can visit the NT Community Team at the Santos shop in the Darwin Mall or contact us via email at enquiriesNT@santos.com or phone on +61 8919 1900.

Environmental Approvals and Consultation

DPD Project – NT waters

DPD activities in NT internal waters are being undertaken in compliance with the primary environmental approvals received from the NT and Commonwealth governments.

The NT Government approved the DPD Project, following the completion of assessment by the *NT Environment Protection Authority under the Environment Protection Act 2019 (NT)*.

The DPD Project was also assessed and approved by the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW) under the *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*.

DPD Project – Commonwealth and NT coastal waters

DPD activities in NT Coastal Waters are being undertaken in compliance with the primary environmental approvals received from the Commonwealth and NT governments.

The Commonwealth Government approved the activities (~23km section) in Commonwealth Waters following assessment of an Environment Plan under the *Offshore Petroleum and Greenhouse Gas Storage Act 2006 (Cth)*.

As noted above, the DPD Project was also assessed and approved by DCCEEW under the *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*.

The NT Government approved the activities in NT Coastal Waters (~8km section) following assessment of the Offshore Construction Environmental Management Plan (CEMP) under the *Petroleum (Submerged Lands) Act 1981 (NT)* and *Environment Protection Act 2019 (NT)*.

The DPD EP can be viewed [here](#) while the CEMP is available [here](#)

Barossa Productions Operations – Commonwealth and NT waters

Santos submitted the Barossa Production Operations EP in Commonwealth waters (~285km section) to NOPSEMA in August 2024 for assessment. The link to the EP is accessible on the NOPSEMA website [here](#)

Following a request from NOPSEMA to provide further information, Santos re-submitted the EP with some amendments in December 2024 for further assessment.

The EP covers (among other things) the following activities:

- Arrival, hook-up and commissioning of the FPSO (section 2.5 of the EP);
- Initial start-up of production to a steady state (section 2.6 of the EP);
- Operation of the FPSO and subsea infrastructure and associated activities (section 2.7 of the EP); and
- Inspection, monitoring, maintenance and repair (IMMR) activities for subsea infrastructure and the Gas Export Pipeline (section 2.9 of the EP);

The EP also provides information on (among other things):

- the potential risks and impacts of these proposed activities; and
- the consultation undertaken by Santos on the proposed activities (section 4 of the EP).

If you have any queries about this EP, please contact us by phone or email (see details below).

Operations Environmental Management Plans (OEMPs) for Operational activities along the Barossa pipeline in NT coastal waters (~8km section) and NT internal waters (~92km section) will be submitted to the NT- DME for assessment and approval.

Contact Us

Consultation for all Barossa regulatory approvals has been completed.

We are committed to ongoing engagement about our activities. If you require further information or would like to speak to us, please do not hesitate to contact us.

Phone: **1800 267 600**

Email: offshore.consultation@santos.com

Website: santos.com/barossa