

Barossa Development

Quarterly Update: October 2021



Santos, as Operator of the Barossa Development, is pleased to provide the following Quarterly Update.

Work Progress Highlights

Since our last update in June, significant progress has been made on several work fronts.

First steel for the Floating Production, Storage and Offloading vessel (FPSO) has been cut, manufacturing of well heads has been completed and good progress is being made on tubing, subsea trees, clad pipe for flowlines and plate for pipeline.

The manufacture of 26" line-pipe is also due to start soon. Some images of the progress are below:



XT #1 Assembly



1st shipment of plates for 26" GEO departs POSCO



MLP Liner Production at Butting



FPSO Hull 1st Steel Cutting Ceremony



Stabcon Connector Termination Heads & Hubs



Flowlines Fabricom Bends – Test Rings

Upcoming Activity

Barossa Gas Export Pipeline route survey

A survey of the proposed route for the new 262-km Gas Export Pipeline (GEP) will be undertaken in this quarter, most likely during November.

The survey will involve one vessel traversing the entire pipeline route (below) over a 1-2 week period. Further information will be provided to marine users in advance of the survey's commencement.

The survey will be conducted using a vessel under contract from *Allseas* which is responsible for supply and installation of the new pipeline. A longer pre-lay survey of the pipeline is scheduled to occur in Quarter 4 of 2022.

Environmental Approvals

Barossa Development Drilling & Completions Environment Plan

Santos would like to thank all stakeholders who provided feedback that assisted preparation of the Development Drilling & Completions Environment Plan.

The campaign will involve the drilling of six production wells at three locations within the Barossa field. Each well takes approximately 90 days to drill. The activity is scheduled to commence in May 2022.

The Environment Plan has been submitted to the Commonwealth Government's offshore regulator, NOPSEMA, for formal assessment which typically occurs over a period of several months.

The document will be available on NOPSEMA's website during the assessment period. It will include a detailed summary of the correspondence between stakeholders and Santos during the preparation period. Full transcripts of this correspondence, as well as any other sensitive information received, have also been provided to NOPSEMA for assessment, but are not published.

Barossa Gas Export Pipeline Installation - Environment Plan Revision

Development approvals already received enable the installation of the Barossa GEP from the Barossa field to a tie-in point at the existing Bayu-Undan to Darwin Pipeline.

This continues to be the 'base case' for the delivery of Barossa gas to DLNG and Santos continues to progress all regulatory approvals for this case.

An alternative now being considered by Santos is to extend the Barossa GEP all the way to DLNG, enabling the Bayu-Undan to Darwin Pipeline to be preserved for life extension and/or re-purposing opportunities. One opportunity being assessed is the re-purposing of the Bayu-Undan to Darwin Pipeline to carry carbon dioxide for potential Carbon Capture and Storage (CCS) at Bayu-Undan in the Timor Sea. The relevant joint ventures are engaging with the Timor-Leste Government.

CCS is recognised by the International Energy Agency and the Intergovernmental Panel on Climate Change as being a critical technology to achieve the world's climate goals. The Bayu-Undan reservoir and facilities have the potential to be a world-leading CCS project.

Extending the Barossa GEP by 25 km in Commonwealth Waters will require a Revision to the NOPSEMA-accepted Environment Plan. The additional Barossa GEP segment would be laid adjacent to the Bayu-Undan to Darwin Pipeline.

Please find attached information on the EP Revision which is being prepared in accordance with the Commonwealth *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations*. Should you require additional information or have a comment to make about the proposed activity, please be in touch via the contact details provided in the attached information.

Ongoing Engagement

During the next four years, Santos is required to prepare various regulatory approval applications. We will continue to ensure that relevant stakeholders are engaged during the preparation of Environment Plans and are provided pre-activity notifications of all our on-water activities.

Conscious of the amount of industry information provided to some stakeholders, Santos seeks to limit written information to quarterly development updates. The updates include information on development progress, upcoming regulatory approvals and notifications of proposed and completed on-water activities. From time-to-time there may be a need to conduct out-of-sequence engagement on specific issues and activities.

Please make contact if you have queries about the development or want to discuss the engagement process. We would be pleased to meet in person or facilitate online conversations at any time.