

28 April 2022

Dear Stakeholder

RE: NOTIFICATION OF APPLICATION FOR PIPELINE LICENCES

Santos NA Barossa Pty Ltd (Santos), as Operator of the Barossa Joint Venture, has applied to the Northern Territory (NT) government for the granting of two pipeline licences for the Barossa Nearshore Gas Export Pipeline (GEP) within the Northern Territory.

This notification is provided in compliance with the *Energy Pipelines Act 1981* (NT), specifically Part III, Section 13, Sub-sections 4 and 4A, and the *Petroleum (Submerged Lands) Act 1981* (NT), specifically Part II, Division 4, Section 64, Sub-section 1.

Application Details

Santos has formally submitted a single application to the NT Department of Industry, Trade and Tourism (NT DITT) for one pipeline comprised of two pipeline licences:

- Coastal and Territorial Waters Licence for the section of the pipeline under the jurisdiction of the Petroleum (Submerged Lands) Act, between Santos' pipeline reference points KP23.19 (the Commonwealth and NT Coastal Waters Limit) and KP31.265 (the Territorial Sea Baseline).
- Inland Waters Licence for the section of the pipeline under the jurisdiction of the Energy Pipelines Act, between KP31.265 (the Territorial Sea Baseline) and KP122.692 (the onshore termination point).

In accordance with Sub-section 13 (4A) (a) and (b) of the Energy Pipelines Act, a description of the affected land or waters is provided in **Attachment A** and a map showing the proposed route of the proposed pipeline is provided as **Attachment B**.

Opportunity to Comment

Under Sub-section 13 (4A) (c) of the Energy Pipelines Act, the following opportunity to provide comment on the application is advised:

- the local government council, person or body may, within 28 days after the date of service of this notice, lodge in writing with the Minister representations about the grant of the licence;
- if there are no registered native title claimants or registered native title bodies corporate in relation to any of the affected land or waters, the representative Aboriginal/Torres Strait Islander body in relation to any of the affected land or waters may, within 28 days after being served with this notice, lodge in writing with the Minister comments on the grant of the licence.

Representation to the Minister is made via the NT DITT Titles Branch contacted via energytitles.ditt@nt.gov.au. If you have any questions for Santos related to this application, please contact michael.marren@santos.com.

Yours faithfully,



Thyl Kint

Director, Barossa Project

Attachment A: Background Information Relevant to Application

Darwin LNG and Bayu-Undan:

The Darwin LNG facility currently processes natural gas transported from the Bayu-Undan Field located in Timor-Leste waters. The natural gas is transported via the existing Bayu-Undan to Darwin Gas Export Pipeline (GEP) under NT Pipeline Licences NTC/PL1 and PL20.

Santos is the Operator of the Bayu-Undan Field and the DLNG facility. The Bayu-Undan Field has been operational since 2004, however the end of field life is predicted to occur in 2022-2023. Santos plans to backfill the DLNG facility with gas from the Barossa Field starting in the first half of 2025.

Barossa Development:

In March 2021, Santos announced a Financial Investment Decision (FID) for the Barossa Development.

The base case for the transport of gas under the Barossa Development is via a new pipeline to be constructed from the Barossa Field, located approximately 300 kilometres (km) north of Darwin, to a tie-in point on the existing Bayu-Undan to Darwin GEP. The tie-in point is located in Commonwealth waters approximately 123 km from Darwin.

The Barossa GEP, extending ~262 km from the Barossa Field to the tie-in point of the Bayu-Undan to Darwin GEP, will be constructed within Pipeline Licence NT/PL5, as granted by the National Offshore Petroleum Titles Administrator (NOPTA) on 3 November 2020.

Santos is now assessing the feasibility of an alternative case for the Barossa Development that involves installing an additional 123 km (~23 km in Commonwealth waters and ~100 km in NT waters) segment of pipeline adjacent (within ~100m) to the Bayu-Undan to Darwin GEP, effectively duplicating the existing pipeline.

This alternative pipeline development case has the advantage of facilitating first gas as planned, while preserving the Bayu-Undan to Darwin GEP for future re-purposing opportunities, including to facilitate potential carbon capture and storage (CCS) at the Bayu-Undan Field.

A Final Investment Decision (FID) whether to proceed with the alternative pipeline development case is proposed for mid-2022. In the meantime, Santos is progressing the required long-lead regulatory approvals including this pipeline licence application.

Regulatory Approvals – Commonwealth Waters:

The regulatory approvals for a petroleum pipeline in Commonwealth waters are administered by the National Offshore Petroleum Titles Administrator (NOPTA) and National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) in accordance with Commonwealth *Offshore Petroleum and Greenhouse Gas Storage Act 2006* and associated regulations.

The Barossa GEP will be constructed within Pipeline Licence NT/PL5, as granted by NOPTA on 03 November 2020. An application to vary this pipeline licence will be made to incorporate the additional 23 km of pipeline in Commonwealth waters.

In addition to the pipeline licence variation, Santos will submit to NOPSEMA various pipeline construction and production operations Safety Cases and Environment Plans.

Regulatory Approvals – Northern Territory Waters:

In addition to the pipeline licences required under the *Petroleum (Submerged Lands) Act 1981* and *Energy Pipelines Act 1981*, Santos will progress various Pipeline Management Plans and consents for the associated work program phase (i.e., construction, commissioning and production operations).

In addition to these petroleum pipeline approvals, other NT environmental, heritage and land planning approvals will be sought, including, but not limited to the following:

- Environmental approval and licences required under the *Environment Protection Act 2019* (NT). Santos has referred the pipeline to the NT Environment Protection Authority (EPA).

- An Aboriginal Heritage Authority Certificate required under the *Northern Territory Aboriginal Sacred Sites Act 1989* (NT). Santos has referred the pipeline to the Aboriginal Areas Protection Authority (AAPA).
- Underwater heritage clearances required under the *Heritage Act 2011* (NT). Santos is preparing survey reports to submit to the NT Heritage Council.
- Development Consent required under the *Planning Act 1999* (NT). Santos is preparing an application for the NT Department of Infrastructure, Planning and Logistics (NT-DIPL).
- Occupational Licence required under the *Crown Lands Act 1992* (NT). Santos is preparing an application for the NT Department of Infrastructure, Planning and Logistics (NT-DIPL).

Description of the Affected Land or Waters

The pipeline route runs parallel to the existing Bayu-Undan to Darwin GEP and comes onshore at the DLNG facility.

The pipeline route does not cross any existing pipeline or encroach upon any existing pipeline licence.

The affected lands or waters relevant to this application have been sub-divided into three key areas being:

- Offshore NT waters (i.e. NT waters outside Darwin Harbour);
- Darwin Harbour (i.e. waters within the Darwin Harbour Management Area); and
- Shore crossing location (including the short onshore section of the pipeline).

Offshore NT waters – The pipeline route extends from the territorial waters limit, with a water depth of ~50 m reducing to ~30 m Lowest Astronomical Tide (LAT) near the limit of Darwin Harbour.

A section of the pipeline route intersects the Darwin Air Weapons Range (AWR) Central Defence Practice Area and is nearby to the Australian Exercise Area (NAXA) Defence Training Area (approximately 3 km to the south).

The pipeline route intersects various Commonwealth and NT-managed commercial fisheries. The pipeline route intersects the Charles Point Reef Protection Area (RPA) (NT) near Darwin Harbour.

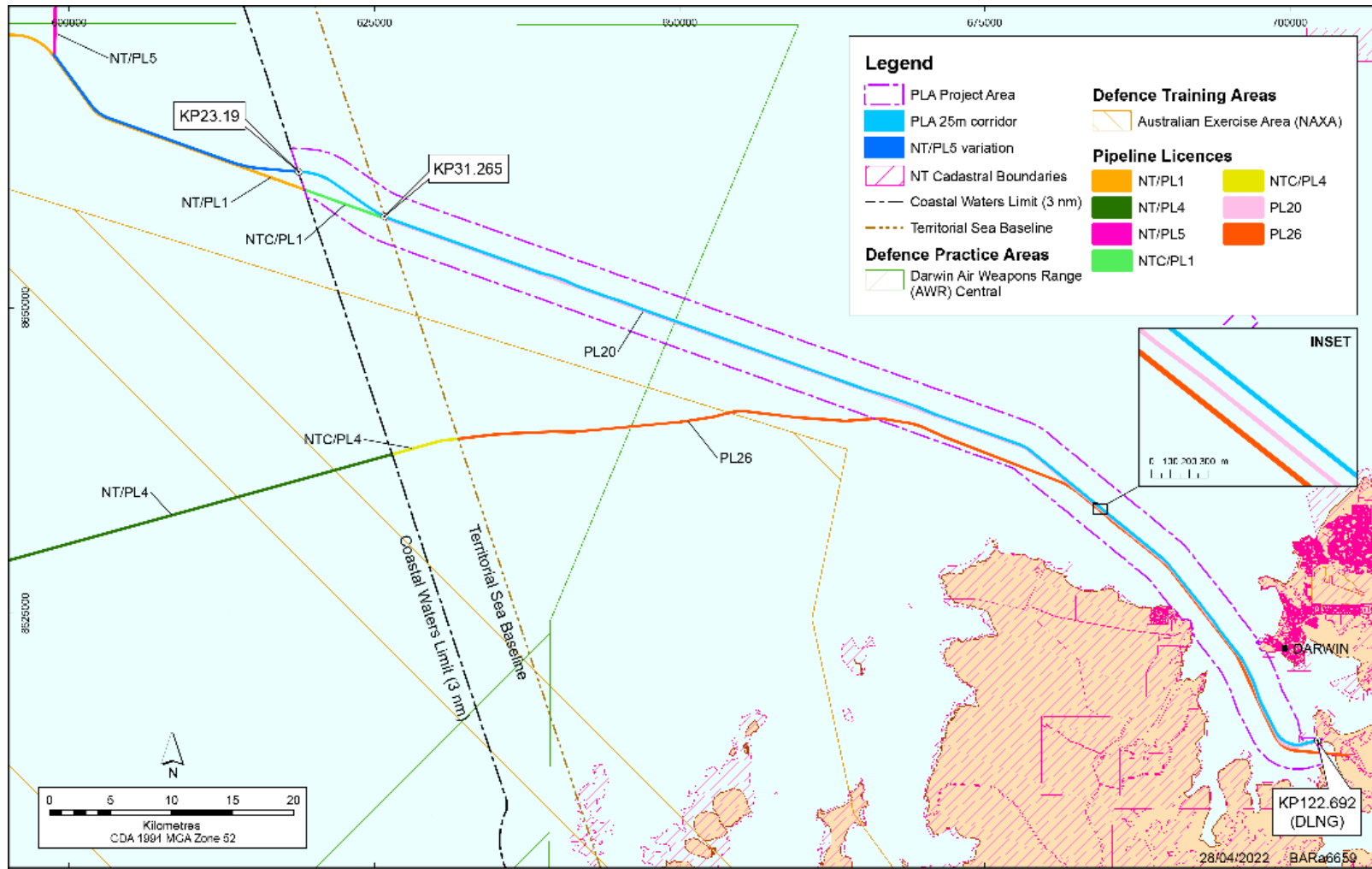
Darwin Harbour – the pipeline route intersects Darwin Harbour up to the location of the DLNG shore crossing. Water depths within Darwin Harbour are predominately between 0 m and 30 m LAT.

Near the Darwin Harbour Management Area boundary the pipeline route parallels the Inpex Ichthys Gas Export Pipeline (with the Bayu-Undan GEP separating the two pipelines).

The pipeline route crosses several existing power and telecommunication cables within Darwin Harbour. As per the Bayu-Undan to Darwin GEP, concrete mattresses will be used for crossing the in-service cables and no crossing arrangements will be made for the abandoned power cables.

Shore Crossing – the pipeline route shore crossing is within the existing DLNG facility disturbance area at Wickham Point within the Middle Arm Peninsula industrial area. The pipeline route is within the limits of the existing regulatory approvals for DLNG and Exceptional Development Permit (EDP02/0015G).

Attachment B: Map of Proposed Pipeline Route



Santos

BAROSSA NEARSHORE GAS EXPORT PIPELINE LICENCE APPLICATION (PLA)