

MEETING MINUTES

Narrabri Gas Project (NGP)

Water Technical Advisory Group (WTAG)

Meeting #9

DATE / TIME

Thursday 16 November 2023
9:00am

LOCATION

Narrabri Shopfront Conference Room
125 Maitland Street, Narrabri
(+ Videoconference)

FACILITATOR

Garry West

MINUTE TAKER

Lyn Firth

ATTENDEES

- ◆ Garry West (Independent Chair)
- ◆ Todd Dunn (Santos)
- ◆ Cate Barrett (DPIE Water) (MS Teams)
- ◆ Fabienne d’Hautefeuille (DPIE Water) (MS Teams)
- ◆ David Gornall (Santos)
- ◆ Edward Trindall (Narrabri LALC)
- ◆ Randall Cox (Independent Expert)
- ◆ Mike Williams (Independent Expert)
- ◆ Janelle Twynum (Santos) (MS Teams)
- ◆ Keith Phillipson (AGE) (MS Teams)

APOLOGIES

David Cameron (Community Representative)

Discussions

NO.	DISCUSSIONS
1. Welcome Recording of Minutes Confirmation of Minutes/actions	Chair welcomed and thanked all members for their attendance and acknowledged Gomeri country on which the meeting was held as well as Elders past, present and future and all Aboriginal persons present. The chair asked member if there was any objection to the recording of the minutes for secretarial purposes with the audio being deleted once the minutes were final and approved. There was no objection. Minutes of last meeting circulated. They have been loaded onto the website.
2. Correspondence	Nil

<p>3. Presentations</p>	<p>Santos Corporate Update</p> <ul style="list-style-type: none"> • Q3 report released with robust revenue, production, and free cash flow in line with expectations. • Pikka project (significant oil project in Alaska) progressing well – rig operations completed on first three wells and fourth well in progress. • Barossa project now 68% complete (excluding the Darwin Pipeline Duplication project) but drilling operations remain suspended pending assessment and acceptance of the associated environment plan by the regulator. • Moomba CCS project is 75% complete with first injections on track for mid-2024. • Direct Air Capture (DAC) unit arrived at Moomba during Q1 with pre-field commissioning successfully completed. <p>Narrabri Gas Project Update</p> <ul style="list-style-type: none"> • Phase 1 activity continues to progress. • Shallow water bore program completed Feb-Nov 2023 and deep aquifer monitoring bore completion works undertaken – both of which will inform the water modelling update. • Further works including deep aquifer monitoring bores, coreholes & pilot wells to be completed throughout 2024. • Minor updates required to several management plans including minor change to corehole location (Dewhurst) • Ecological scouting for NGP Phase 2, Hunter Gas Pipeline (HGP) and Narrabri Lateral Pipeline (NLP) continues through 2023. • National Native Title Tribunal determination of December 2022 appeal was heard in August 2023 and a decision is anticipated early 2024. • Final investment decision dependent on receiving all required approvals. <p>NGP WTAG Update (Dave Gornall)</p> <ul style="list-style-type: none"> • Santos is planning on drilling the two additional deep monitoring bores in 2024. The drilling will be the basis of collecting cores and doing the geophysical data collection which will underpin the update to the hydrogeological conceptual model report. • Annual review of the management plans is due in March 2024. The plan will be submitted to the DPE. • The independent environmental audit was required to be undertaken within one year of commencement of Phase 1. The independent audit report was submitted to the DPE in November 2023. • Once the report is accepted by DPE, it will be publicly available. This will be discussed during a meeting next year. <p>Groundwater Monitoring Bore (Dave Gornall)</p> <ul style="list-style-type: none"> • Drilling commenced in February and was completed in November 2023. • Permeability in the Digby was discussed, and it is unlikely that the Digby Formation will be suitable for long-term groundwater quality monitoring because water quality sampling would affect groundwater pressure in the bore due to slow recharge from the aquifer, therefore would make the bore unsuitable for groundwater pressure monitoring. <p>Q. - Todd: It was raised at a meeting yesterday - When will the data start going onto the Water Portal? A – Dave: The bores are not currently equipped with monitoring devices and telemetry. When available, the data will be reported in an easy to understand tabulated format on the Water Portal and will be available before further pilot wells come online.</p> <p>Discussion followed about the Water Portal purpose and function.</p>
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Groundwater Model Development (Dave Gornall)

- The Santos team is targeting release of the Model Objective and Criteria Report and the Conceptual Model Report package early in the new year.
- Santos has done the geological conceptualisation report and that needs to be brought into the hydrogeological conceptualisation report.
- Discussions followed about investment with uncertainty of approvals and the implications for data collection and model development.

Update – Model Conceptualisation (Keith Phillipson) (see attached slides)

Progress in this area is that we have a draft Geological Connectivity Report developed by an eminent team of geologists led by Titus Murray (lead author of IESC's (Independent Expert Scientific Committee) Coal Seam Gas and Large Coal Mining Development Information Guideline regarding the characterisation and modelling of geological fault zones).

Hunter Gas Pipeline Update

- Extensive stakeholder engagement including over 5400 landholder engagements, over 30 engagements with Aboriginal stakeholder groups and 30 community information sessions.
- Surveys well progressed within the approved corridor and work to progress surveys to support the finalisation of the alignment continues.
- Deed of Easement process is underway with landholders where the alignment is firm.
- Authority to Survey (ATS) was approved by NSW Government however Santos views this as a last resort when all reasonable attempts to negotiate access has failed.
- Staging approach was approved by DPE – construction of preliminary works sites (laydown yards) are subject to the approval of management plans.

Q.- Ed Trindall: How long will it take to build the pipeline from Narrabri to Newcastle?

A. Todd: Approximately eighteen months. It will then need to be rehabilitated with monitoring undertaken.

Q. Randall: - Does the pipeline structure change from Queensland to Narrabri

A. Todd: No – The pipeline will be the same.

Discussions followed about the negotiation with landowners and the process of acquiring the easement.

Narrabri Lateral Pipeline (NLP)

- NLP will connect the NGP to the HGP, ~ 55km and designed per AS2885.
- Sizing – nominally 20" or ~508mm diameter consistent with HGP
- The pipeline will be primarily located underground, with associated aboveground infrastructure. As this is a relatively short pipeline infrastructure will be largely at the start/finish of the pipeline.
- Santos is committed to minimising the impact on stakeholders and the environment.
- The CH survey is planned over a 100m corridor in preparation for finalising the alignment.
- NLP declared Critical State Significant Infrastructure by NSW Government
- Moving forward Santos will:
 - Continue to engage with directly affected landholders/other stakeholders
 - Progress Deed of Easement Agreements where the alignment is firm
 - Prepare NLP EIS based on SEARs for submission to NSW DPE
 - Prepare EPBC referral to Commonwealth Government targeting submission for Q4 2023

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	<p>Q Randall: Why is this not part of the Hunter Gas Pipeline? A Todd: The Hunter Gas Pipeline was an approved project. The original intent was to bring gas from Queensland to NSW. Q Randall: So why is it two parts? A Todd: Santos made that decision based on the commitment to deliver gas from the NGP to the domestic market with the NLP being required to connect the Narrabri Gas Project to the Hunter Gas Pipeline.</p> <p>A link to the Major Projects portal will be circulated.</p> <p>Exploration Program and other Updates PEL 1 - Kahlua area activities</p> <ul style="list-style-type: none"> • Review of Environmental Factors approved • Works currently being undertaken • Ongoing engagement with landholders including water bore sampling <p>PEL 1 and 12 – Scouting to satisfy future minimum tenure commitments.</p> <p>Brawboy2 (PEL456) – Decommissioning works complete with rehabilitation to be progressed through 2024.</p> <p>Other advisory groups have met this week. It is expected that the next meeting will be held in late March 2024 when the review documents will be available.</p>
4.General Business	NIL

Actions

NO.	ACTIONS	ACTION BY	DUE DATE
1	Send out link for Major Projects Portal Narrabri Lateral Pipeline Planning Portal - Department of Planning and Environment (nsw.gov.au)	Garry West	ASAP
2	Independent Audit report to be circulated	Garry West	When available

Next Meeting: To be confirmed – possibly toward end of March 2024

Meeting Closed: 10.53am