

MEETING MINUTES

Narrabri Gas Project (NGP)

Greenhouse Gas Emissions Advisory Group (GHGEAG)

Meeting # 2

DATE / TIME

16th February 2022
3:30pm – 4:15pm

LOCATION

Shop Front Conference Room, Narrabri
MS Teams (online)

FACILITATOR

Garry West

MINUTE TAKER

Lyn Firth

ATTENDEES

- ◆ Garry West (Independent Chair)
- ◆ Todd Dunn (Santos)
- ◆ Prof. Andrew Garnett (Independent Expert)

Dial-in

- ◆ Anshul Jain (Santos)
- ◆ Paul Wybrew (Santos)
- ◆ Dr Yvonne Scorgie (DPIE)

Apologies

- ◆ Stuart Day (Independent Expert)

NO.	DISCUSSIONS
1. Welcome	Chair thanked everyone for their attendance at the meeting and acknowledged Gomeroi country on which the meeting was held as well as Elders past, present and future and all Aboriginal persons present.
Declaration of Interest	The Chair asked if there were any new declarations of interest. Nil.
Recording of minutes	The Chair asked members if there was any objection to the recording of the minutes for secretariat purposes with the minute's audio being deleted once the minutes were final and approved. There was no objection. Minutes from the previous meeting (August 2021) were accepted with no changes.
Actions outstanding	Clarifying the situation of flaring of gas through the appraisal stage. This is within the Limits of Consent – A11 (c).
Correspondence	Nil
2. Presentations	<p>Presentation 1: Santos delivered a presentation. Agenda items included:</p> <ul style="list-style-type: none"> Santos Corporate Update NGP update NGP indicative timeline and scope Management Plan Progress

	NGP GHG Baseline Studies
3. Key topics discussed and questions raised	<p>It was requested that the links to the studies be included in the minutes. Further discussion identified that it was only the University of Adelaide study that had not been available to participants – see attached: www.narrabrigasproject.com.au/wp-content/uploads/2017/04/170314_University-of-Adelaide_CCC-presentation-mobile-baseline-concentra....pdf</p> <p>Todd spoke about the baseline research work done on NGP - some was commissioned by Santos, and some independently. This research was focused on looking at pre-development background emissions across the region, and from specific sources such as gas infrastructure. Baseline data is useful as the project develops. This has been done by University of Adelaide and GISERA - Anshul spoke to some of the work being conducted.</p> <p>The recent GISERA research is looking at the background methane levels and is due to be released soon. It was suggested that these results be presented at the next meeting.</p> <p>Professor Garnett and others spoke about some technical issues:</p> <ul style="list-style-type: none"> - <i>Emissions Intensity is important. Quantify annual emissions and compare with annual production to come up with emission factor per unit of production.</i> - <i>Methane Tracker is an IEA public database of mainly factored estimates from around the world (but it is difficult to reconcile these with actual measurements, in Qld). Measurements are important to demonstrate better performance,</i> - <i>The danger of annualizing “episodic” rates (has been noted in studies elsewhere) – e.g. based on on-off, short duration surveys.</i> - <i>The importance of leakage detection and repair .</i> - <i>Note that data comparisons to shale oil & gas operations in the US are problematic and often inappropriate. Difference between gas being a low value bi-product rather than the economic end resource (pipeline capacity, propensity for flaring etc.), key differences in gas compositions, significant differences in operating pressures, differences in ages and type of equipment ...)</i> - <i>Ref. gas actuators and in general – Narrabri can benefit from learning from Qld operations and learning curve - reduced drastically (15 years of learning incorporated in day 1).</i> <p>Todd spoke about the Leak Detection Repair Program. This is an EPL requirement and is currently being undertaken by Paul’s team in Santos. Work is being conducted by Santos and independently verified by the EPA involving testing all sites at multiple times through the year.</p> <p>Last January, a small leak was detected – it was significantly below the reporting threshold. The leak was identified (related to gland packing) through the FLIR camera and fixed at the time of identification. Very minor but indicates that the accuracy of the cameras in detecting releases is very good.</p> <p>Professor Garnett mentioned that drone detecting capabilities are currently being worked on. Santos are sponsoring this. NSW and the Narrabri Project will learn from this research.</p> <p>Yesterday, and earlier today, GISERA presented to CCC and the Water Tech Group on recent studies conducted. GISERA are wanting to start more research projects in this area. Todd advised the meeting that if there is something needing further research, to let GISERA know.</p> <p>Garry West informed the group that under the Conditions of Consent, the advisory group must meet a minimum of twice a year. Advice from NSW Planning is that this requirement will not be imposed until the Consent is taken up formally by Santos. Until then, the group can meet on a “as needs” basis.</p> <p>The Field Development Plan (FDP) is the last Management Plan and this is in the process of being completed. The Aboriginal Cultural Heritage Management Plan is yet to be approved by DPE which is required before the FDP can be completed.</p>

4. General Business	<p>Todd invited participants to request access to any of the management plans if they wish. Professor Garnett expressed interest in the water plan should there be an issue with gas dissolving in the water. Todd indicated that this not anticipated to be an issue. The FDP will be presented at the next round of advisory meetings, in the middle of May. The Plan will be sent out to the stake holders about 2 weeks before the meeting. The Plan will be presented at the Advisory Meetings highlighting key areas. There will be a 6-week period in which feedback will be invited. The way forward will depend on the feedback provided and there may need to be another round of consultation. If the feedback is consistent with the plan, the feedback may only need to be circulated to the stakeholders.</p> <p>Q. asked by Dr Yvonne Scorgie. Was the background monitoring commissioned by Santos?</p> <p>A. The University of Adelaide work was commissioned by Santos and the collaboration between by GISERA / CSIRO was independent.</p> <p>Q. Will the background study of Narrabri methane levels discussed above be released publicly?</p> <p>A. Todd to get back to Yvonne on this.</p> <p>Site Tour:</p> <ul style="list-style-type: none"> This will happen on Thursday 17th February leaving the Santos town office at 8:30am. Participants are: Todd Dunn, Garry West, Prof. Andrew Garnett and Lyn Firth. Yvonne to have a site tour at a date convenient to her.
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Actions

NO.	ACTIONS	ACTION BY	DUE DATE
1	Is the current CSIRO study going to be available publicly?	Santos	

Next Meeting (TBC) Possibly 18th May 2022.