



Note that minutes are paraphrased to an extent and may not exactly match actual statements.

Project	Gloucester Coal Seam Gas Project	From	Michael Ulph
Subject	Community Consultative Committee	Tel	4910 7788
Venue/Date/Time	Thursday 15 October 2015 Newcastle Gas Storage Facility, Tomago 10.00am – 12.00pm	Job No	21/17714
Copies to	All attendees		
Attendees	Ian Shaw [IS] – AGL Lands Officer Jerry Germon [JG] – Community Representative Rod Williams [RW] – Community Representative Tony Summers [TS] – Mid Coast Water Clr Karen Hutchinson [KH] – Great Lakes Council Linda Brook-Franklin [LBF] – Mid Coast Water Alex Kennedy-Clarke [AKC] – AGL Project Manager Ray Dawes [RD] – Barrington Gloucester Stroud Preservation Alliance Clr Tony McKenzie [TM] – Dungog Shire Council Clr Katheryn Smith [KS] – Gloucester Shire Council Stuart Redman [SR] – Gloucester Business Chamber Nigel Bean [NB] – AGL Head of project development Amer Hussein [AH] – AGL Community Relations Officer Michael Ulph [MU] – GHD (Chair) Alexandra Parker – GHD (Minutes)	Apologies	Ed Robinson [ER] – Lower Waukivory Residents Group Toni Laurie – AGL Land and Approvals Manager Nicky Coombes [NC] – The Gloucester Project Les Seddon [LS] – Port Stephens Council Karyn Looby [KL] – AGL Community Relations Manager James Duggelby [JD] – AGL Hydrogeological Specialist Lisa Schiff – Great Lakes Council Anna Kaliska [AK] – Mid Coast Water
	Observers / Presenters Steve Carter [SC] – Operations Manager – Newcastle Gas Storage Facility - AGL	Others not present	Paul Minett – Dungog Shire Council Lee McElroy – Port Stephens Council

Notes	Action
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Michael Ulph (Chair)

*Welcome Steve Carter - Operations Manager – Newcastle Gas Storage Facility - AGL
 Steve gave CCC a safety induction for the Newcastle Gas Storage Facility (NGSF)*

Welcome and Acknowledgement of Country



Notes

Action

Introductions for new committee attendees and observers

Replacements

Kathryn Smith – Gloucester Shire Council replacing Aled Hoggett on the CCC.

Amer Hussein – AGL Community Relations Officer NGSF – on behalf of Karyn Looby

Linda Brook-Franklin – Mid Coast Water - on behalf of Anna Kaliska

Welcome

Stuart Redman – new CCC representative for Gloucester Business Chamber, and Nigel

Bean – AGL Head of project development.

Apologies

Ed Robinson, Toni Laurie, Nicky Coombes, Les Sneddon, Anna Kaliska, Lisa Schiff, Karyn Looby, and James Duggelby.

Meeting commenced at 10:12

MU: I will call to accept the last minutes from the 20 August 2015 as a true and correct record.

Moved: Jerry Germon Seconded: Tony Summers

Meeting agenda

- Welcome, Apologies, Introduction
- Acceptance of last minutes and matters from the previous meeting
- Project Update, including water update (Alex Kennedy-Clarke)
- Community Engagement update (Ian Shaw)
- General business
- Next meeting & close of formal proceedings
- NGSF Site tour
- Lunch

Action items from the last meeting

MU: First action for myself to contact the Gloucester Business Chamber for membership on the CCC. That was actioned and Stuart is here as evidence.

Nigel Bean to provide a business structure visual for AGL to CCC members. To be followed up.

Nigel Bean to follow up.

MU: I was to follow up with the Aboriginal Land Council for membership on the CCC. That was an action, the acting CEO was contacted following the last meeting, who was unsuccessful in gaining the permanent position, they have gone back out to recruit a new CEO. That may take some time but I will follow up.



Notes	Action
<p>Karyn Looby to circulate links to the videos. I have received that from Bede the web person from AGL and I will circulate those.</p>	<p>Michael Ulph to circulate links</p>
<p>Karyn Looby to notify Nicky Coombes for the next scheduled facility site tour.</p>	
<p>IS: Karyn has actioned this, she has tried to get in contact with Nicky a number of times and left about three messages. Nicky is yet to call back, she may have been away.</p>	
<p>MU: Presentation regarding AGL activities. That is at a future meeting, Nigel did contact me prepared to present today, but we thought with the tour on we would hold that over to a future meeting.</p>	
<p>Me to draft an advertisement following the last CCC and distribute to members for comment. I did that and that ad appeared in the Gloucester advocate.</p>	
<p>Karyn to enquire about potential for site visit at Newcastle Gas Storage Facility, which is occurring this meeting.</p>	

Project Update – Presented by Alex Kennedy-Clarke

Exploration Update

- Waukivory Pilot Project
 - Waukivory 11, 13 and 14 continue to flow and all three flares are currently operating.
 - The Workover Rig has completed its maintenance work at the Waukivory 12 well. The well is now back on line. Maintenance work included cleaning out the wells and removing any residual thickening agent (guar gum) from the coal seam. A solution will be used which includes diluted hydrochloric acid (about half the strength used in used in domestic swimming pools) as its key active ingredient. This solution is confined to the well bore and coal seam and has no additional effect on the coal other than removing the gum residue. The solution is then pumped back to the surface where it will be contained prior to offsite disposal.
 - The workover program will be carried out in accordance with regulatory approvals and site environmental management plans.
 - The Workover rig unfortunately had a mechanical breakdown whilst at Waukivory 12 which resulted in delays to the workover activity on site.
 - AGL is currently evaluating if further workovers will be required for the Waukivory wells.
- Workover Rig – Maintenance Activities
 - Whilst the AGL workover rig is in Gloucester a number of maintenance activities have been planned including the changeout of the wellheads at some of the older suspended wells.

Stage 1 Project Update

- Project Approval
 - Work is continuing towards satisfying the conditions of the Project Approval.



Notes

Action

- Environmental Assessment Modification 2
 - Work is continuing on the Environmental Assessment (EA) for the 2nd Modification to the Project Approval.

RD: The solution to be used includes diluted half strength, now that doesn't make any sense to me. Can I ask specifically what sort of molarity was used? I am curious to see what is actually going down there. The molarity of hydrochloric acid.

MU: I see "Diluted hydrochloric acid about half the strength used in used in domestic swimming pools".

RD: If you wash your hands with half strength of 18 molar it will lift skin off your hands.

MU: So you are looking for a number not a PH?

RD: PH doesn't mean anything to me. I know it is acidic, I need to know what the molarity is, which is not the Hydrogen ion concentration which as Alex would know gives an indication of the overall strength of the acid.

MU: Can you answer that off the top of your head Alex or will you have to take that on notice?

AKC: I will have to take that on notice. Obviously our work crew up there is taking all the necessary safety precautions, handling materials, PPE, JSEA etc. We have got that under control.

Action: AKC to provide the molarity of the acid.

NB: We have a standard operating procedure, this is standard procedure that is carried out at a number of wells

KS: Is this process very formal? I want to ask Alex when you got to pulling up the well and giving it a clean you were expecting the thickening to be there. Was it what you expected? Or was it worse? Better? How did you find it once you started to clean? Was it what you predicted?

AKC: At this point it is too early to tell. We have pumped the acid into the well. We only started bringing the well back online yesterday. So we have to see what flows back and the rates etc of that water. It will take probably about a month before we can answer that question.

KS: I am assuming that would go with the flow back water and then with Toxile up to Queensland? Is that what happens?

AKC: Toxfree

KS: That goes through to there?

AKC: Yes that water will get disposed off site, yes.

MU: Any other questions? No, thank you.

Water update

General

- Water portal telemetry live for groundwater and surface water data at Waukivory. Visit: <http://www.agl.com.au/about-agl/how-we-source-energy/natural-gas/water-portal>



Notes

Action

- Water quality data sets required under our EPL are now published on AGL main website under:
<http://www.agl.com.au/about-agl/how-we-source-energy/monitoring-data> (note these data reports are comprehensive and reports are split into Irrigation Program reports and Waukivory Pilot reports)
- All technical/scientific reports continue to be released, published and archived on the AGL Gloucester website at <http://www.agl.com.au/about-agl/how-we-source-energy/natural-gas/natural-gas-projects/gloucester-gas-project>
- Technical/scientific reports relating to the Waukivory Pilot Project are published and archived on the AGL Waukivory website at <http://www.agl.com.au/about-agl/how-we-source-energy/natural-gas/natural-gas-projects/gloucester-gas-project/waukivory-pilot-program>

Groundwater Investigation Program:

1. Groundwater monitoring program:
 - Ongoing 4-monthly (water level) monitoring program across whole network (Oct 15, Feb 16, and Jun 16).
 - *October 4-monthly FY16 monitoring update report – due for release Oct 2015.*
 - *Annual report is being prepared for FY15 – due for release Sep/Oct 2015.*

RD: Mr chair can I ask for a copy of the October annual report be emailed directly to CCC members?

MU: Certainly.

AKC: They are very big reports. We can email you the link?

RD: Great.

2. Waukivory Pilot Testing Program:
 - All monitoring bores and surface water gauge sites operational and data available via Water Portal (except for WKmb05)
 - Flowback water pumping has recommenced – all water is being transferred from the Waukivory site and none has been transferred to the Tiedman East Dam

RW: Just on that. What volume do you have in the tank at the moment? You said you are pulling that out all the time?

AKC: We haven't pulled anything out for a couple of weeks.

NB: The volume in the tank is at 250,000 Litres so it is a quarter full and the make-up rates are fairly low, under a tanker a week. Currently we haven't had any water taken off site for three or four weeks now.

- A third quarterly report detailing water quality and level trends for water monitoring locations - Waukivory Pilot for the period 31 March to 30 June was published 31 August 2015.
 - *A fourth report detailing water quality and level trends for water monitoring locations - Waukivory Pilot for the period 1 July to 30 September will be published in late November 2015.*
3. New drilling programs and monitoring network expansion:
 - Monitoring ongoing at Wards River:

AGL to distribute links to October monitoring update report to CCC.



Notes

Action

- *Wards River monitoring bore completion report to be published Q4 2015.*
 - *Extra monitoring bores deferred*
 - *New monitoring bores towards Weismantels deferred.*
4. Other investigation water studies:
- No new investigations.
5. Numerical modelling
- *Updated Conceptual Model report in preparation (update to the 2013 report)*
 - Phase 3 numerical groundwater modelling ongoing – two models: local scale (fault) model and regional model (whole basin) under way. Reporting deferred to 2016 because of Waukivory Pilot delays

RD: Mr chair could I ask for a timeline for release of the modelling? Just a rough guide.

AKC: The conceptual model will be probably towards the end of this year and the numerical model will be towards the middle of next year.

MU: The conceptual model is an update to the existing report?

AKC: correct.

Tiedman Irrigation Program:

- The TIP approval expired on the 30 April 2015
- Water and soil monitoring sampling and reporting programs are almost complete – they have been submitted to DRE and EPA for review:
 - water and soil sampling events completed in May 2015
 - water sampling event completed in August 2015
- Final water and soil monitoring program reporting completed – two compliance reports published in August 2015.

AKC: Ian did you want to give an update on what we are planning to do there with the plot?

IS: Currently, yesterday afternoon it was cut, we are making some more silage, of course without irrigation it has been quite steady given the weather conditions. But the thinking is that going forward we will use some irrigation water from a fresh water source, probably the Pontiland's dam to utilise that in going forward. There are decisions being made right now as to progressing the annual side of the cropping. It's dependant on that and that should be determined in the next few weeks to a month.

MU: So for those newcomers. Are you across the irrigation program and what it was about?

Agreement from all

Extracted Water Management Strategy

- Currently preparing Final Draft for Agency/Council/Community review
- Agency workshop on 16 September 2015.

JG: Is there any specific reason why the deferral of monitoring bores at *Weismantels* etc?



Notes	Action
<p>AKC: At this point we are focusing on completing the Waukivory Pilot and obtaining all the information from the pilot. We just want to focus the team on finishing that at this stage.</p>	
<p>KS: Can I ask that the next report updates on the number 12 well? Just to see when it is finished if there was anything found in investigations.</p>	AKC to provide update on number 12 well in next report update.
<p>AKC: Yes</p>	
<p>LBF: I'd like to ask about that water portal. After previous meeting I have tried to find it. Is there a link to it?</p>	
<p>AKC: It's on the website</p>	
<p>KS: I have accessed it before. It is definitely there.</p>	AGL to provide all links to current information by email to CCC members.
<p>LBF: Can we re send a link?</p>	
<p>IS: What we might do is provide all those links electronically.</p>	
<p>AKC: It's also on the update handed out.</p>	
<p>LBF: Thank you.</p>	
<p>RD: I'd just like to congratulate James for preparing a very concise summary. It's very much appreciated.</p>	

Community engagement update – Presented by Ian Shaw

➔ Consultation and Stakeholder Engagement

- AGL has received an invitation to participate on the Gloucester Dialogue and will attend the next Gloucester Dialogue meeting in October.
- Site tours – AGL continues to host visits to our site as this is an opportunity for people to see and experience how we operate first hand.
- Signing of Agreed Principles of Land Access (II) – AGL is proud to be a co-signatory and joins Country Women's Association of NSW, Dairy Connect NSW, NSW Farmers Association, Cotton Australia, NSW Irrigators Council, and Santos to reflect the respect AGL has for landowners; we will continue to respect landowner wishes and the right to say 'yes' or 'no' to AGL accessing property.
- All opinions deserve respect – AGL has always respected the opinions of people who do not support our activities. We hope that this is reciprocated and the same courtesy and respect is given to people who support our activities.

➔ Upcoming events - AGL has been invited to participate in and are proud to sponsor:

- Gloucester Junior Cattle Show (Oct)
- Dungog Community Day – Our colleague Mick Hanly, Community and Customer Advocacy, will be attending the day to provide energy information and advice (Oct)
- Gloucester Fly-In community event (Nov 7-8)



Notes

Action

IS: Just as an aside, Mick (Hanly) has been nominated for one of AGL staff awards, a major award, for the work he has done after the storms at Dungog. We are really proud of the work that Mick has done. He got in, rolled up his sleeves and said what do you need?

Tony was involved, often things you wouldn't think of. We raided all of our stores for gloves for people, including AGL Macquarie to get those types of things that were not readily available. We had eight generators available to dairy farmers if they lost their power supply so we could keep milking cows and Mick coordinated all of that. It really is a credit to him.

TM: He did it very quietly too. I rang Ian a couple of times and he'd say 'Micks already got that'. You didn't know where he was or what he was doing but he had it. Everything was done and in hand by the time we had thought of it. I fully support that award.

→ Community Investment

- AGL Science and Engineering Challenge was held on the 4th September in Dungog. The Discovery day for Primary schools is a joint project conducted by the University of Newcastle and the local community aimed at inspiring young people to consider a career in the sciences, engineering, mathematics or other technology-related areas. Over 250 school students participated.
- Westpac Rescue Helicopter invited AGL to the base in Newcastle to present to AGL and thank us for our \$5000 donation through the GGP Local Community Investment Program, and many years of support.
- AGL has engaged consultant Brett Peterkin to work with AGL and the community to identify opportunities to build growth in the region. The role includes leveraging potential funding sources for long term projects for the area. Local Government Areas in the project area.

TM: Where is Brett working out of?

IS: Just himself. He goes wherever.

TM: He was in Dungog, Tillegra Dam years ago.

IS: Yes that is where the recommendation came from. He did a wonderful job.

KS: On the Gloucester Aero Club Fly-In community event. A new event with a band and fireworks display. You can camp there and visit the aircraft.

General Business

MU: Does anyone have any questions? We had a question from Ed which has been addressed in the water update. We will go around the table.

Next meeting

December 17 2015 10:00 am to 12:00 noon

KH: Whilst this is all slow with AGL and because we are so busy can we look in the new year that we stretch our meetings out longer? Until there is more to discuss?

MU: Potentially as quarterly meetings?



Notes

Action

KH: Yes.

MU: This was raised last meeting.

IS: I raised it at the last meeting.

There isn't much happening at the moment which is evident as we have run through this [meeting] in 30 minutes. I believe other CCC's such as the mines probably work...

Rod is the Duralie CCC three monthly?

KH: Yes quarterly.

IS: We have a system where Karyn tends to update through Michael if there is something happening.

MU: I will note that I believe the final investment decision is due in the first quarter of next year?

NB: No. The situation is we are doing the flow testing process at the moment, which will play a major part in our estimation of the value of the project. We will update the board in the first quarter with the results of the flow test and they will make a decision whether or not we are going to proceed on that process of presenting a final investment decision.

Once we go through that gate and start preparing the business case which is necessary for final investment decision. That will be towards the back end of 2016. There is a gate in the first quarter and certainly after we go through that gate we will be very appropriately ready to update the CCC on what is decided.

MU: Ok, in that case it is less likely that you will be ramping up and have more to talk about. What is the feeling round the room? Say from next year we go to quarterly meeting as a general rule unless there is a need for an extraordinary meeting?

LBF: Perhaps it just depends on timing of when this report that we have just commented on comes out. If that comes out the end of November before next meeting there is a chance to talk about next meeting. If that's not release until after the meeting it might be a long time to wait if you go three months then.

AKC: I am confident we will have that out before December.

LBF: So while I agree that quarterly meetings is good, it just needs to be timed around these documents.

KH: Yes that is exactly what we are saying too.

MU: We could go February, May, August, and November?

KS: With flexibility. I am happy to second that.

NB: Can I suggest that March might be better. The reason I say that is it is three months after December, and previously when we have updated on when our board is likely to consider the flow date, we have talked about it being at a February Board meeting, and tends to be towards the back of the month. So early in March may be good to get together.

MU: Anyone opposed? Do we have general consensus?

IS: The only qualification, which you have done previously, is have a discussion with GRL chair and Duralie chair to avoid clashing CCC's.

MU: We will have a show of hands.

All in favour quarterly meetings

Carried.

Meeting closed at 10:50

Michael Ulph

GHD – Stakeholder Engagement

Michael Ulph to confirm new CCC meetings do not overlap with other CCC groups to avoid cross over.



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ACTION ITEMS	
Action	Responsibility
Circulate links as per last CCC meeting.	Michael Ulph
Distribute links to October monitoring update report by email to CCC members.	AGL
Provide update on number 12 well in next report update.	Alex Kennedy-Clarke
Provide links to water portal and similar documents by email to CCC members.	AGL
Confirm new CCC meetings do not overlap with other CCC groups to avoid cross over.	Michael Ulph
Provide the molarity of the acid used by AGL.	Alex Kennedy-Clarke