



NB: These are draft minutes only – to be ratified at the next CCC meeting. 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 17 March 2016 Gloucester Country Club 10.00am – 12.30pm	Job No	21/17714

Copies to	All attendees
-----------	---------------

Attendees	Jerry Germon [JG] – Community Representative Rod Williams [RW] – Community Representative Ray Dawes [RD] – Barrington Gloucester Stroud Preservation Alliance Clr Tony McKenzie [TM]– Dungog Shire Council Ed Robinson [ER] – Lower Waukivory Residents Group Clr Karen Hutchinson [KH] – Great Lakes Council James Duggleby [JD] – AGL Hydrogeological Specialist Nicky Coombes [NC] – The Gloucester Project Karyn Looby [KL] – AGL Community Relations Manager Clr Katheryn Smith [KS] – Gloucester Shire Council Andrew Adorini [AA] – AGL Operations Superintendent Anna Kaliska [AK] – Mid Coast Water Michael Ulph [MU] – GHD (Chair) Alexandra Parker – GHD (Minutes)	Apologies	Tony Summers [TS] – Mid Coast Water
		Others not present	Paul Minett – Dungog Shire Council Lee McElroy – Port Stephens Council Linda Brook-Franklin [LBF] – Mid Coast Water Lisa Schiff – Great Lakes Council Les Seddon [LS] – Port Stephens Council Stuart Redman [SR]– Gloucester Business Chamber
	Observers / Presenters		

Notes	Action
<p>Michael Ulph (Chair)</p> <p><i>Welcome and Acknowledgement of Country</i> <i>Introductions for new committee attendees and observers</i></p> <p><i>Welcome Andrew Adorini – AGL Operations Superintendent</i></p>	



Notes

Action

Apologies Tony Summers

Introductions around the room to familiarise newer members

Meeting commenced at 10:00 am

MU: I will call to accept the last minutes from the 17 December 2015 as a true and correct record.

Moved: Ray Dawes Seconded: Karen Hutchinson

Meeting agenda

- Welcome, Apologies, Introduction
- Acceptance of last minutes and matters from the previous meeting
- Project update (Andrew Adorini)
- Water update (James Duggleby)
- Morning tea break
- Community Engagement update (Karyn Looby)
- General business
- Next meeting & close of formal proceedings
- Lunch

Action items from the last meeting

Action	Response
Change wording of Action 4 in October meeting minutes to read water portal.	Actioned
Amend Actions in last meeting minutes to include molarity action.	Actioned
Confirm GRL CCC schedule.	Actioned – no conflict.
Amend spelling error in October CCC minutes.	Actioned



Notes	Action
<p>Provide response to pumping water questions. Provide clarification around recovery of water from fracking. It is common to not recover 100% of fracked water?</p>	<p>Although we didn't recover 100% of the volume of water introduced during the fracture stimulation activities at WK11, 13, and 14, over 15 months of water analyses confirm that the flowback water had transitioned to formation groundwater quality and there is no trace of the fracture stimulation fluid.</p> <p>The permeability of the rock is very low and therefore flowback was slow. This confirms our conceptual hydrogeological model which indicated decreasing permeability with depth.</p> <p>Low water make is not unusual in the Permian coals in NSW.</p>
<p>Provide response to each of Dr Evans 23 recommendations in his independent peer review.</p>	<p>AGL will share a link when available.</p>
<p>Organise tour of Tomago facility and invite TM.</p>	<p>Invitation extended to Dungog Shire Council</p>
<p>AGL to present survey questions to CCC for review at future meeting.</p>	<p>Was scheduled for this meeting but due to change in project has been changed. Can still proceed if CCC request. To be discussed in general business.</p>
<p>Provide comment on the supply capacity for AGL renewables. How big a town could be supplied power by all the renewables?</p>	<p>Slide 4 – AGL Energy Renewables Portfolio Presentation 17 December 2015.</p> <p>The approved Concept Plan provides for overall generation potential of around 3,500GWh per year, sufficient for the average consumption of around 437,500 homes, which is a reduction in greenhouse gas emissions of approximately 3.5 million tonnes of carbon dioxide (equivalent) per annum for the life of the Project.</p>



Notes		Action
Send ER CCC membership nomination form for completion.	To be carried over to next meeting.	Send ER CCC membership nomination form for completion.
Agenda item for next CCC 'Review of CCC Terms of Reference'	Deemed unnecessary by CCC due to developments in project.	
Agenda item for next CCC 'Review of CCC meeting regularity'	To be discussed in general business	

Project Update – Presented by Andrew Adorini

Waukivory Pilot Project

- All four Waukivory wells remain suspended;
- All Flowback water has been removed from the site;
- AST 1 & AST 2 have been dismantled and removed from Waukivory 13; and

KS: What was the finish date of water removal to cease?

AA: Waukivory tanks were empty in February.

- Planning underway for plug & abandon of each well and full site rehabilitation.

RW: So how many in total?

AA: 14 production wells and about 40 or 45 monitoring bores.

NC: Can we have a copy of schedule?

JD: At the moment we are doing an internal rehabilitation plan of the gas wells. We are working on that internally in consultation with the EPA. We have a meeting with EPA on Monday and we will have actions on that before it is finalised. Once that is finalised we will be able to share.

NC: In regards to the water monitoring bores, you didn't retrieve all of your flow back water. Why wouldn't you keep those wells open for monitoring purposes in the future?

JD: The Waukivory wells, we didn't recover 100% of the water that was introduced in the fracture stimulation activities, that is correct. We saw the transition of chemical make-up of that water very early on in the piece towards that of formation groundwater, there are no traces of fracture stimulation fluids in that water. The definitions between produced water and flow back water are management definitions for us so we can direct the water into Tank One or Tank Two and deal with it in different ways.

Copy of schedule once finalised to be sent to CCC

The shallow monitoring bores around Waukivory are still collecting data. Final samples, which included a suite of isotopes, we took them before the pilot where we had pretty accurate dating on the water. We have taken the final suite just in the last week and will be dating the water again. Those results take a couple of months to come back. That should tell us if there has been any change in that water in the shallow aquifer. if we see any influence from the decrease or increase in the ages of those waters [it



Notes	Action
-------	--------

would mean] they were coming in from somewhere else. It will be a really sound check. We haven't received any results yet, it takes a few months to come back. The answer to whether the monitoring network will still be up and running. It will be for the next couple of months and then we will start to decommission.

RW: With sampling the monitoring bores for dating. Is that at the maximum depth?

JD: They are to 300 meters. All the ones that we have been using for the monitoring system are that shallow. You will find that the reports that come out, the results will be compared to baseline.

ER: With the gas. The pressure is still building in the four Waukivory pilots. Flares are still there?

JD: Yes

ER: The sixteen wells that you have at the moment that are turned off. There is a certain amount of gas to come out of those. I assume the Waukivory Pilots have been flared? What will happen to the other twelve?

AA: With standard workover procedure, following the code of practice. The rig comes in with a flare tank. The individual wells are standalone now so you can't run the gas to a flare system. With the Waukivory wells we are going to use the infrastructure we have in place and run the gas to flares through our designed system. The individual wells will be run when the rig is on site.

ER: The water that comes up will be taken away?

AA: If there is gas pressure there [at the well head], there is no water. If water was near the surface there would be no gas. The water that does come up will be disposed of through licenced facilities.

Other Site Activities

- Planning underway for the plug & abandon and full rehabilitation of the currently suspended 10 pilot wells at Stratford, Craven & Weismantels;
- Continue to work with the Government regulators and landowners through this planning process.

Plug & Abandon and Rehabilitation Process

- Approval process through the Government departments for the plug & abandon program. Code of Practice for Well Integrity applies to all wells.
- All current approval conditions under PEL285, Environmental Protection Licence (EPL) and other relevant legislation applies throughout the rehabilitation works program.
- Schedule for the works is subject to the relevant approval process and requirements, landowner requirements, weather conditions etc., however currently the program (to full rehabilitation and landowner/government signoff) is expected to take 12-18 months to complete.



Notes

Action

Water update – Presented by James Duggleby

From late December 2015 to present with upcoming items (to occur after 17 March 2016) shown in italics.

General

- Water portal telemetry live for groundwater and surface water data at Waukivory. Visit:
<https://www.agl.com.au/waterportal>
- Water quality data sets required under our EPL are 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:

Groundwater monitoring program:

- Ongoing 4-monthly (water level) monitoring program across whole network (Oct 15, Feb 16, and Jun 16).
- February 4-monthly FY16 monitoring update report – published March 2016.
- Final annual status report for FY16/17 – to be published c. August 2016.

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 complete: wells shut-in; all flowback water stored in tanks at the surface has been disposed of lawfully offsite; tanks decommissioned and removed from site; no water has been transferred to the Tiedman East Dam



Notes	Action
-------	--------

- A fifth quarterly report detailing water quality and level trends for water monitoring locations - Waukivory Pilot for the period 1 October to 31 December was published on 25 February 2016.
 - Data from the baseline investigation and pilot testing program will be collated and analysed and the results assessed and presented in a detailed final technical report which will be published within six months of the completion of the Pilot (i.e. by 4 August 2016).
1. New drilling programs and monitoring network expansion:
- Monitoring ongoing at Wards River:
 - Wards River monitoring bore completion report was published on 9 March 2016.

ER: Has that uploaded onto the website?

JD: I would have to check, but if it hasn't, it will be.

2. Numerical modelling
- Updated Conceptual Model report was submitted to the Dept of Planning on 1 February 2016.
 - Phase 3 numerical groundwater modelling will not progress – two models: local (fault) scale models and regional model (whole basin) archived.

JD to distribute link to CCC re Wards River monitoring bore completion report.

NC: So you notified the Department on the 4th of February?

JD: Yes

NC: I was reading the Codes of Practice of the Department of Resources and Energy and it stated that wells had to be plugged and abandoned within three months of that notification.

JD: I can't comment on that as it is not my area. I'll take that on notice.

NC: I would like to see a full schedule of how you go about plugging and abandoning before the next CCC.

KL: AGL are having those discussions with the EPA.

JD: Yes we are working through that.

MU: Nicki, where did you see that?

NC: The Department of Resource and Energy code of practice for plug and abandonment.

JD: We are in that process with the Department.

KS: Do you need approval before you go? If there is a three month limit but you still need to seek consent. I wonder if it is three months after approvals?

NC: It says on the site:

All CSG exploration wells must be plugged and abandoned and the department notified on the approved form within three months of the last drilling or testing activity, unless the well is converted to another approved purpose.

KS: It says approved form which might be the Development Application. So could be three months after the development application.

JD: We will clarify. It's a good question for next time around.

Clarify statement codes of practice of resource and energy and it stated that wells had to be plugged and abandoned within three months of that notification.

Tiedman Irrigation Program:

Notes	Action
-------	--------

- Final water and soil monitoring program reporting completed – two compliance reports published in August 2015.
- Additional soil and water sampling rounds (for EPL compliance) undertaken in November 2015.
- Additional water sampling round (for EPL compliance) undertaken in February 2016.

Extracted Water Management Strategy

- Final Draft submitted to the Dept of Planning on 1 February 2016. No comments from the Department to date.

Decommissioning & Rehab

- 45+ groundwater bores, we will be decommissioning between April and July 2016 – dataloggers and sampling equipment removed.
- Decision pending on bores to plug and abandon – pending discussions with DPI Water and future uses of the land

NC: I want to know the precise details of mandatory testing and monitoring requirements of a well after they have been plugged and abandoned, that full schedule. I have searched and cannot find a schedule for that.

KS: After it is plugged, cement is poured. It is stamped and labelled. How do you monitor what is underneath?

NC: Are you doing air monitoring to make sure nothing is leaking?

JD: We can get more details on this.

MU: Does anyone want to see the plugging process video that was showed at the community meeting? We can defer to that about this.

AA: You cement up the top, you pressure weld a plate to the top. Everything is sealed, and you leak test it then. Then you backfill and then we do our leak detector over six months. Leak detection from that point, then it gets handed back to the government.

KS: Is there any leak detection after that?

AA: We don't dig it back up.

NC: You only leak test after six months. That is crazy. What is the life span of the cement that you are pouring down these wells?

AA: We don't have that information on hand at the moment.**NC:** I have got that information from the Department of the Environment. With the independent expert scientific committee saying the cement has a lifespan of 100 years. So if you are going to only test once at 6 months later. That is not good enough.

JD: We will be testing as per the schedules put out to us in consultation with DRE and EPA, and that consultation is still ongoing.

ER: Would it be unrealistic to ask AGL? There are wells that have been in existence a long time. What is the rate of how long these wells last? The plugged ones, the concrete, the casings. There must be wells around long enough, you must have information about how long all this will last. Can we have a small presentation?

AA: I can give you a first-hand explanation of the wells I have revisited by ESSO, in 63-68 in the Oran Park development. The developer found an old well within our exploration licence area, the Department approached us to lower the level of the capped well. The land holder/developer dug down 5 metres for us, we cracked the cement off the surface casing and cap as it had been plugged and abandoned in the 60s. The casing



Notes	Action
-------	--------

under the cement looked like new cement. When the cement came off you could still see the painted writing on the casing from 1963. We gas-axed [cut off] the casing and chipped off the cement, put a new plate on the top and pressure welded that at the new level requested by the developer.

KS: What if it wasn't new looking?

NC: If one wasn't up to standard we would probably not hear about it.

ER: Different geological areas result in different rates of failure.

AA: We do have studies of oxygen content in levels of soil. We are going to be doing cases in an anaerobic environment where you are not going to get oxidization.

JD: Gas is not going to come out of these things unless you lift water off and go back to pump. You don't get gas flow.

ER: There is a lot of wells being plugged and abandoned over the years. There must be some scientific research going on as to how quickly these wells degrade.

JD: For each well we have to submit a rehab plan to DRE. There is a very strict code of practice that we have to adhere to.

ER: Where can we read this document?

JD: DRE code of practice is on their website.

NC: That is the one I read and I kept being redirected. I couldn't find the schedule anywhere.

Request DRE and EPA to address CCC.

RW: Would it help to get DRE or EPA to give presentation here?

AK: DRE set the rules, EPA police that. You need both.

RW: If AGL have documented cases of concern somewhere in Australia. That can be discussed and we can ask the relevant people while they are in the room. Can ask what would lead to that, is it circumstance?

AA: We have to keep in mind the time period. We are at the pinnacle of design now. We have learned from mistakes that have happened in the past. We have been doing that the whole time, we have been drilling to API standard even when we didn't have to in NSW.

Also putting this into perspective, we are talking about getting communication [gas] at the surface where less than a kilometre away there is a big hole in the ground that is going to the same coal seam.

RW: We do need to know, the likelihood of failure and that if it does fail, is that catastrophic, is it negligible, is it noticeable?

Break for morning tea: 10:47 am

Community engagement update – Presented by Karyn Looby

➔ Consultation and Stakeholder Engagement

- Community Information Session – 16 February 2016
 - Update on AGL business decision
 - Waukivory Pilot Program report
 - AGL's community legacy program
- Advance Gloucester – 17 February 2016



Notes	Action
-------	--------

- AGL invited to speak at meeting, providing an update on the decision to exit the Gloucester Gas Project
- Gloucester Business Chamber – 24 February 2016
 - Brett Peterkin, who has been engaged by AGL, provided an overview of his role to identify economic opportunities and develop grant applications for projects within Gloucester and the region. He can assist other community organisations also.
- Dairy Connect NSW – 26 February 2016
 - Cooperation Agreement signed with Dairy Connect NSW to develop energy solutions that will cut costs and improve environmental sustainability for dairy farmers.
 - AGL is conducting digital meter trials on three dairies to better understand the energy consumption and usage patterns of dairy farms.
 - Once the trail is complete, the partnership will see new energy packages developed for farmers that suit different types of farms.
- ME Program Stakeholder Update and Industry Engagement Meeting – 9 March 2016
 - An initiative of RDA Hunter to increase opportunities for education and employment pathways in Advanced Manufacturing and Science, Technology, Engineering and Maths.

KL: I will send a link to CCC members about the ME program.

Send link to CCC re ME program

➔ **Community Investment**

- Local Community Investment Program
 - Applications received.
 - Community committee meeting the week of 21 March 2016.
- Bucketts Way Route Access Strategy Upgrade Program - National Stronger Regions Fund
 - Brett Peterkin, together with Gloucester, Port Stephens and Great Lakes Councils identified and prioritised key upgrade projects to improve safety and access for B-Double vehicles.
 - The application has been approved by Transport for NSW to proceed to the full submission stage.

KL: AGL receives a number of applications each funding round. AGL's contribution to the local community on a six monthly basis, through the Local Community Investment Program is about \$35K.



Notes

Action

ER: How many rounds are you envisaging?

KL: We have budgeted for another round in August. As long as we are still doing the rehab work then we will be able to have this program every six months. We have budgeted for one more round as this fits with the project schedule of works.

JG: So it won't cover all the applications you have currently got?

KL: The community review committee discusses all applications. Partnership funding is looked on favourably. Committee members may be aware of other sources of funding available and provide that advice to applicants.

- AGL Community Legacy Program
 - AGL has committed \$2 million to aid economic development in the region.
 - The Program will be administered by an Independent Trust Fund.
 - The aims of the Legacy Program are:
 - to foster sustainable economic development
 - to encourage and support initiatives that create jobs
 - to attract new industry
 - to support education, training and employment pathways
 - to assist community and business groups.
 - The Fund is in development stage.

The GCCC discussed the application process for the Fund. An EOI process, before submitting the full application, was well recommended. GCCC to be kept-up-to-date on the Fund and a community information session will be organised in the community.

- AGL partnership with NSW Waratahs and NSW Rugby Union
 - AGL will offer rugby fans the ability to earn up to \$150 annually for their local club while they are on AGL Waratahs energy plans.
 - Rugby fans can also receive savings on their electricity and gas bills by signing onto the AGL Waratahs energy plan.
 - There are also exclusive opportunities for customers to win a range of prizes throughout the season.

→ Communication materials

- ASX Media Release (4th February 2016)
- Animation: Well rehabilitation



Notes

Action

- Fact sheet: Gas Well rehabilitation

TM left the meeting at 11:27am

NC: I think another information session is a good idea.

KS: With the EOI form for committee members, who says yay or nay? Will that go to the board?

KL: To the Chair, the AGL and Michael Johnsen.

KS: Is the Chair position based on the state elected member?

KL: Michael Johnsen is not the Chair. He is in the position due to his role. If there was a new election, then whoever is in that role. The chair has not yet been appointed.

KS: Why is the EOI board smaller than the application board?

MU: EOI is for people to attend and become part of the committee.

JG: When does that open?

KL: Around May to be able to advertise. The timeline at the moment is EOI for membership on the committee need to be received by 29 April, we have to advertise two weeks in advance and get the paperwork approved. Karyn advised the roles available for committee.

KS: What LGA's?

KL: Applicants will need to submit an EOI. The GGP footprint LGAs. Applicant can be elected or staff.

KS: So there is one spot for four councils?

KL: Yes.

NC: Johnson selects those two community reps?

KL: Not only him but AGL and the Chair as well.

KS: When?

KL: Working towards a timeline of the last two weeks of April.

KS: With local government elections the following year you will have a board and then the local member might change.

KL: The terms of reference will be for two years.

ER: I can't make a link as to why Michael Johnson is there as a politician. Shouldn't you remain as neutral as possible?

JG: If you are trying to get extra funding from the state government as part of the ongoing management of that fund then he is the very best person to have on that committee.

ER: I don't disagree. But you can lead trust funds without politicians. There is an automatic bias.

KH: Was he invited or did he volunteer?

Email updates
regarding AGL legacy
program to CCC



Notes	Action
<p>KL: I don't know.</p> <p>ER: I don't care his stance. I just think it is biased to have politicians.</p> <p>RD: I agree with Ed. I think we keep politicians out of it. Community reaction when his name was mentioned at the previous meeting. It went down like a lead balloon.</p> <p>KS: For an application for funding. There is a EOI before that. Who oversees a EOI for a project?</p> <p>KL: The committee.</p> <p>RW: What is the biggest concern? Is it the makeup of the board, including an MP, or is it the impact of the MP influence of project application outcomes?</p> <p>NC: He could have an influence over where the funds go.</p> <p>RW: given there is a board of 10 do you think 1 person on their own has a huge influence?</p> <p>KL: Each has a vote.</p> <p>RD: He is part of the selection process. It would be appropriate for him to sit aside.</p> <p>ER: Any politician presents bias. Council reps are independent they are not party oriented.</p> <p>KH: It's a state government position, not a Michael Johnson position?</p> <p>KL: It's a MP Upper Hunter position.</p> <p>RD: I am happy for AGL and the Chair to make the decisions and leave the politicians out. I don't trust politicians.</p> <p>KS: You will have some criteria to apply about what is suitable anyway. Are you worried about it attracting the wrong industry?</p> <p>NC: What are the legalities of him being able to be on it. Is it legal?</p> <p>KS: Hypothetically can one of those positions change?</p> <p>KL: I can ask the question. I don't know.</p> <p>KS: If the community was very upset would it make a difference?</p> <p>AA: What if the selection was made just by the AGL representative and the chair?</p> <p><i>CCC would like to propose that decisions are made by AGL and the chair only. Michael Johnson could be on committee but not part of the selection process.</i></p>	<p>CCC would like to propose that decisions are made by AGL and the chair only. Michael Johnson could be on committee but not part of the selection process</p>

General Business
<p>MU: Terms of reference and meeting regularity was an agenda item. However, there is a project shift to demobilisation and withdrawal. With that in mind is there feedback on the current Terms of Reference?</p> <p><i>*consensus from CCC not to change TOR*</i></p> <p>MU: Meeting regularity. We said quarterly rather than two months due to the quiet nature of the project. What do you think going forward?</p> <p><i>*consensus quarterly meeting to change if required to due to activity increasing*</i></p>

Notes

Action

MU: I received a letter from Groundswell Gloucester.

[Michael read the letter to the CCC. The letter is attached to these minutes.]

My reaction is that we did put out a call for membership last year and there was no interest. The project has changed now. But I am interested in what you think.

Nicky, Ed and Ray are part of community groups that are not active as a conduit.

RD: The Alliance is in the process of winding up, but has not formally wound up yet. When it does I'll either become a community representative or resign. I report widely to the community. It would be prudent to have an official Groundswell Gloucester person. I don't want to wear that hat.

NC: The Gloucester Project does still exist. I'd prefer to be a Community Rep. I am a member of Groundswell but I don't go to all committee meetings. I am on many other committees and would rather be a community representative in this committee.

RW: I think the committee is balanced. Groundswell have been in the public and criticized the structure of these committees. I have some reservations, if someone surrendered their position to have Groundswell on here that would be fine. A new party at this stage is not really necessary.

KH: I agree with Rod.

ER: I'm in two minds. The letter needs to be answered. At this late stage getting a new member up to speed is probably a waste. I am a member of Groundswell but I am a member of a lot of organisations.

MU: Would you be prepared to act as a conduit back to Groundswell?

ER: That's not the question that was asked. They asked if they can be represented. They want the right to pick someone.

KH: But they are already here.

ER: That may not be what they want. It's not our decision. We have to talk to them.

MU: It is not their decision. It is your [CCC] decision.

RD: Groundswell chose not to be part of the CCC as it was perceived by them to be counterproductive. This would be a symbolic opportunity to show that the two antagonists are now talking to one another and are ready to move forward.

KL: That was offered all the way.

JG: I don't believe we need anyone else at this time.

RW: I see it as a mistrust of people on this current committee.

ER: I don't agree with that.

RW: There are also enough people on here with different channels that can filter information back out.

KS: Can't we reply with 'aren't you aware there are two members of your group that attend the CCC? Are you happy with these members bringing information to Groundswell?'



Notes	Action
<p>MU: If we did that, would Ed and Nicky be happy to act as that conduit?</p>	<p>Michael to respond to dialogue letter</p>
<p>NC: I am happy to do that.</p>	
<p>ER: That is reasonable to me.</p>	
<p>ER: Regarding Tiedman's dams. There are 6 mega litres of produced, diluted water. What's up there? Where is it going? Are you going to get rid of those dams?</p>	
<p>JD: As part of the rehab plan that we are putting to the Department and EPA we will outline what we will do with the water in the Tiedman's Dams. At the moment we have one mega litre in south dam of rainwater. Paddock runoff and rainwater in the North about 15 mega litres. Blended rain water in the East about 15 mega litres. About 32 mega litres all up. All relatively fresh, less than 1000 TDS, low metals, no BTEX, irrigation quality. We are looking at reuse options at the moment.</p>	
<p>ER: That would have to be approved?</p>	
<p>JD: Yes. That's the process at the moment.</p>	
<p>ER: So the discussion is based around a small irrigation program to get rid of that water?</p>	
<p>JD: Yes</p>	
<p>JG: Will the dams be left at completion?</p>	
<p>JD: Yes. They are valuable assets for somebody in the future. We will discuss with the future owners or users. There is sediment at the bottom. We will test the sediment once we get the water out. We will assess that against waste criteria.</p>	
<p>ER: I assume the liners will come out?</p>	
<p>JD: Not necessarily.</p>	
<p>AA: They protect against erosion with rain etc.</p>	
<p>RW: Question to Kathryn. There was concern within council as to their responsibility of those dams going forward. Whether council would become liable.</p>	
<p>KS: I believe that has been resolved. It won't be flow back water it will just be a normal dam so why would council have responsibility?</p>	
<p>ER: There was produced water in there.</p>	
<p>KS: That is required to be cleaned by EPA. Once clean, what makes that dam different to other dams?</p>	
<p>ER: I am concerned about the extreme long term monitoring.</p>	
<p>NC: Who is responsible for the wells when AGL leave?</p>	
<p>JD: We can present the final plan to you and answer questions.</p>	
<p>KS: That will be good for the next CCC and tie in with EPA visit.</p>	
<p>NC: Do you have to advise a potential buyer that there is a plugged and abandoned well on their property?</p>	
<p>JD: Ask a real estate agent.</p>	
<p>NC: They say they do not have to advise that.</p>	
<p>NC: Whose responsibility is the well? It is the landowner? Post the six months.</p>	

Next CCC provide overview on extending the rehab plan



Notes	Action
<p>AA: After the 6 months and AGL no longer hold the licence, it is the State Government and Departments.</p>	
<p>KS: I'd like to know if gas wells have a legal requirement to come up on a new purchase.</p>	
<p>RW: Are there exclusion zones?</p>	
<p>KS: Does that go back to the DoP or DRE?</p>	
<p>AA: I would be surprised if there was an exclusion zone but I don't know.</p>	
<p>KS: I don't think you would be allowed to build over it. Due to the leak detection, would you ask DOP?</p>	
<p>AA: You are allowed to build over a fault. I think you'd be able to build over it.</p>	
<p>NC: Hypothetically, if a well leaked in 20 years' time. Whose responsibility is it to clean that up?</p>	
<p>JD: I'd encourage you to look at the documents and think about the mechanism. How could it leak? The presentation goes through the process and the steps of the concrete, pressure zones etc. This is world class stuff that these guys are doing.</p>	
<p>RD: I would like to think that AGL will return voluntarily to check the wells and show the community that there is no problem.</p>	
<p>Is it worth AGL making the site available so we can observe the decommissioning process?</p>	
<p>JD: We can have site visits. I am sure we will extend that.</p>	
<p>KS: What is the need for so much concrete?</p>	<p>Organise site visits during decommissioning process</p>
<p>AA: It is required by the code of practice. In the past you would only cement across the zone. With changing legislation, you cement to surface.</p>	
<p>KS: Why is that better practice?</p>	
<p>AA: Perception, people feel better about it. It is over engineering.</p>	
<p>KL: In relation to the next CCC meeting. Does James from Jetty Research need to come? <i>Consensus that this action item is low priority.</i> <i>Consensus for Karyn Looby to present research on his behalf.</i></p>	<p>Karyn to present James Parker Jetty research findings at next meeting.</p>
<p>Next meeting</p>	
<p>16 June 2016 10:00 am to 12:00 noon</p>	
<p>Meeting closed at 12:30 pm</p>	
<p>Michael Ulph</p>	
<p>GHD – Stakeholder Engagement</p>	



ACTION ITEMS	
Action	Responsibility
Send ER CCC membership nomination form for completion	Michael Ulph
Copy of schedule once finalised to be sent to CCC	AGL
Distribute link to CCC re Wards River monitoring bore completion report.	AGL
Clarify statement codes of practice of resource and energy and it stated that wells had to be plugged and abandoned within three months of that notification.	AGL
Request DRE and/or EPA to address CCC.	Michael Ulph
Reply to Groundswell Gloucester	Michael Ulph
Send link to CCC re ME program	Karyn Looby
Email updates regarding AGL legacy program to CCC	Karyn Looby
CCC would like to propose that decisions are made by AGL and the chair only. Michael Johnson could be on committee but not part of the selection process	All
Next CCC provide overview on extending rehab plan	AGL
Offer site visits during decommissioning process	Karyn Looby



7 March 2016

Mr Michael Ulph
Independent Chair, AGL CCC
c/- GHD
PO Box 5403
Hunter Region Mail Centre NSW 2310

Dear Mr Ulph,

We write in regard to the AGL community consultative committee, which you currently chair.

You facilitated and participated in the recent public meeting at Gloucester where AGL staff presented information on the process for decommissioning wells and associated rehabilitation, among other things.

At that meeting a commitment was made that the CCC would continue to meet until the decommissioning and rehabilitation program was complete.

We write to request that Groundswell Gloucester be allowed to send a representative to the CCC as we are very interested in ensuring - as is AGL - that the decommissioning and rehabilitation process is thorough and complete.

We have always used science, fact and experts in our research and approach to AGL's proposed gas field and would welcome the opportunity to continue in this vein as part of the CCC.

We look forward to hearing from you.

Sincerely,

A handwritten signature in cursive script that reads "S. Kingston".

Sue Kingston
Secretary

on behalf of
David Hare-Scott
President