

Meeting Minutes



QGC Regional Gas Field Community Committee

6 June 2013

9.00am to 11.30am

(Followed by site tour 11.30am – 4pm)

Chinchilla RSL (Main Branch), 61 Heeneey St, Chinchilla

1. Opening

The 14th meeting of the QGC Regional Gas Field Community Committee was called to order at 9.10am on 6 June 2013 at the Chinchilla RSL, 61 Heeneey St, Chinchilla facilitated by Mr Jim Cavaye, Independent Facilitator.

2. Attendees

The following people attended the QGC Regional Gas Field Community Committee meeting:

QGC Regional Gas Field Community Committee Members	QGC Representatives
<ul style="list-style-type: none"> • Jenelle Choyce, Southern Queensland Institute of TAFE • Bill Nicholas, AgForce • Ros Wade, Southern Community Committee representative • Cr Carolyn Tillman, Western Downs Regional Council • Robyn Mapp, Condamine Alliance • Cecily Brockhurst, Northern Community Committee representative • Doreen Goldsmid, Central Community Committee representative • Graham Muller, Tara Neighbourhood Centre • Mabrey Fogarty, Goondir Health Services 	<ul style="list-style-type: none"> • Rebecca Crawford, Social Performance Manager • Kristelle Townsend, Social Performance Coordinator Central • Richard Schokman, Manager Upstream Operations • Carl Martin, Field Operations Manager • Lisa Cecchi, Manager Water Strategy and Communication • Jacob Walsh, Social Performance Coordinator South • Will Rifkin, Associate Professor, Centre for Coal Seam Gas
Apologies	Independent Facilitator
<ul style="list-style-type: none"> • Carollee Murphy, Western Downs Regional Council • Brett Smith, Vice President Sustainability • Carl Mitchell, Condamine Alliance • Kathie Fletcher, Queensland Murray Darling Committee 	<ul style="list-style-type: none"> • Jim Cavaye, School of Agriculture and Food Sciences, University of Queensland

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Meeting agenda

The following items of business were discussed as per the meeting agenda:

Agenda item	Details
a. Introductions and meeting overview	<p>Jim Cavaye led roundtable introductions of Community Committee members and QGC representatives.</p> <p>Jim Cavaye gave a broad overview of the meeting format.</p>
b. Safety moment	<p>Jim Cavaye invited Committee members to share a safety moment.</p> <p>Kristelle Townsend provided the group with a site induction in preparation for the site tour following the meeting.</p>
c. Water Update	<p>Lisa Cecchi, Manager Water Strategy and communication presented a water management update. Key points were:</p> <ul style="list-style-type: none"> • QGC aims to make 97% of all produced water available for beneficial use. This requires treatment of the water by two state of the art water treatment plants, use of reverse osmosis technology and a partnership with SunWater to utilise existing water supply schemes. <p><i>Beneficial Use – Central / Southern outlet</i></p> <ul style="list-style-type: none"> • SunWater has built, owns and will operate the pipeline to the Chinchilla Weir. • QGC uses the reverse osmosis technology to ensure water is suitably treated while SunWater is responsible for water distribution • While construction of the Chinchilla pipeline has concluded, the pipeline is still awaiting final approval of the recycled water management plan to ensure the water is suitable for discharge into the weir • The Recycled Water Management Plan requires produced water samples to be taken and tested for water quality from the plant to ensure water quality is suitable prior to approval being given • The treatment capacity of the Central/Southern area treatment facilities totals 92ML/d • It is anticipated that distribution to customers from this pipeline will occur by late July 2013. <p><i>Beneficial Use – Northern outlet</i></p> <ul style="list-style-type: none"> • SunWater is constructing the pipeline to Glebe weir • Water from the Northern Water Treatment Plant will be supplied to customers in the Dawson Beneficial Use Scheme • The Northern Treatment Plant will have a treatment capacity of 100ML/d. Water will be supplied to customers along the pipeline by late 2014

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	<p>A committee member asked whether landholders have to pay for the water and how many customers are currently along the pipeline.</p> <p>Lisa Cecchi said there was a cost involved and all sales were managed through SunWater. There are currently five customers along the pipeline.</p> <p><i>Brine management – Water Management Policy</i></p> <ul style="list-style-type: none"> • Treatment of CSG water (via reverse osmosis) produces approximately 3% saline water or reverse osmosis reject (RO reject) from the reverse osmosis process • Brine concentrators are designed to reduce the volume of reverse osmosis reject and produce concentrated brine • Brine is currently stored in specially made temporary storage ponds, sized so that production can continue until the brine management policy is complete • Temporary brine storage ponds are constructed to a high standard using double HDPE liners and leak detection systems • There is sufficient concentrated brine storage capacity on site at: <ul style="list-style-type: none"> - Kenya Water Treatment Plant – managed brine produced until 2016; and - Northern Water Treatment Plant – managed brine produced until 2020. <p><i>Regulated waste facility</i></p> <ul style="list-style-type: none"> • This is the Environmental Impact Study (EIS) base case for all CSG proponents • It entails mechanical brine crystallisation • Storage of (dry) mixed salt in dedicated cells • Improved control/containment in a tailor-made regulated waste facility • Site selection could be existing or landfill operation or a new site • Best available technology approach for encapsulation. <p><i>Selective Salt Recovery (SSR)</i></p> <ul style="list-style-type: none"> • QGC, APLNG and Arrow Energy are working in collaboration to evaluate this option

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	<ul style="list-style-type: none"> - Four pilot trials have been completed in France, Germany, US and Adelaide - Demonstrated technical feasibility to produce commercial grade salts • Starting to determine commercial and technical feasibility • If it was decided that SSR was suitable all proponents would utilise the same facility • A decision is pending about whether the option of processing the salts for market is commercially viable. <p><i>Northern Infrastructure Corridor (NIC)</i></p> <ul style="list-style-type: none"> • QGC is preparing to survey a 132km route for a pipeline easement from Woleebee Creek to Kenya. • This pipeline is intended to link the northern and central water treatment plants so that only one regulated waste facility or selective salt recovery plant would be required • The easement is 60m wide and is primarily intended to transport produced water and by product from the water treatment plants however it could also contain other infrastructure such as power and fibre-optic cables. <p>A committee member said there was going to be hundreds of thousands of tonnes of brine and asked what QGC was going to do with it.</p> <p>Lisa Cecchi said that 200 thousand tonnes of wet salt per year will be produced by QGC's activities. QGC is investigating either a regulated waste facility or selective salt recovery to do so.</p> <p><i>Groundwater monitoring network</i></p> <ul style="list-style-type: none"> • The groundwater monitoring network is currently 75% complete • Phase 1 complete – 13 open hole (hydrochemistry and pressure) • Phase 2 complete – 19 open hole (hydrochemistry and pressure), 4 pressure only • Phase 2 planned – 13 open hole (hydrochemistry and pressure), 6 pressure only <ul style="list-style-type: none"> • The baseline groundwater assessment has been completed for the QCLNG project and has been used to determine what the bore levels were at during the time of monitoring • The baseline groundwater assessment is the basis of the make-good arrangements. It will assist in providing information on the regional impact through comparisons between baseline, groundwater monitoring and government legislation.

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	<p>The committee asked questions about make good agreements. Key points from the discussion were:</p> <ul style="list-style-type: none"> • If landholders have concerns about their bores they raise the issues through QGC’s complaints process and the issues will be investigated. • The Underground Water Impact Report provides information to the public on the likely impact on bores • QGC is monitoring different aquifers to give an indication if impacts to water are occurring outside the Walloon Coal Measures • The Condamine alluvium is more in Origin tenements and is directly affected by extraction, significant extraction may not allow it to recharge. It is predicted that there will be approximately a 1.2m drawdown over the life of the project on the Condamine alluvium. The alluvium is shallow compared to the Walloons at 40-60m deep and is recharged by rainfall • The Walloon Coal Measures range in depth from 600m deep to a shallower depth around Wandoan at 100-200m • Woleebee Aquifer injection is done with Precipice water.
<p>d. Update on the Sustainable Indicators and Cumulative Impacts Indicators</p>	<p>Will Rifkin from the University of Queensland (UQ) provided an update on the sustainability and cumulative impact Indicators. Key points were:</p> <ul style="list-style-type: none"> • The University of Queensland has been working on ideas about designing indicators which look at the impacts on communities. e.g. price of petrol, housing etc. • The Regional Community Committee has come up with a list of indicators through discussion at previous meetings that are assisting UQ with the cumulative impacts indicators study • Will presented a trial website which would eventually be formed to assist in sharing information on the cumulative impacts occurring through the region • A home page was displayed, listing the different categories of indicators, process of selecting indicators, baselines and experience in development of the indicators • The page also tried to depict the stories around indicators not just figures and numbers • The next part of the project is around gathering information on the cumulative impacts from other proponents to get company’s working together to address issues • The committee was asked what they think QGC has learnt from the conversations to date. Points included: <ul style="list-style-type: none"> - What the real impacts are for community members who are not connected to the CSG sector - Changes to community demographics, new people to town and face of the community changing rapidly in the last five years

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	<ul style="list-style-type: none"> - Changes to the liveability and feel of the towns - Need to identifying figures that indicate changes - Impact on the communities has been felt most by lower income groups. Lower income groups have either left or are very vulnerable with the increase in expenses. Lower income workers are finding it increasingly difficult to afford to live in the community. This is an Australian-wide trend - The way people are working intensively in the community and then leaving can impact on the personal investment in the community - There are greater opportunities for young people to return and work in careers that previously they would not have had the opportunity to enter - Volunteer support is present during times of crisis this was especially noticed through the floods - Impacts need to be identified before industry moves into a community so that preventative methods of supporting communities can be put in place. Government should play a key role in this - QGC has been first to develop this kind of project in the region and therefore had to learn how to communicate with the community - Companies need to be aware that contractors are still considered their employees even through direct company workers may not be in town. Therefore they need to ensure they have controls in place to ensure their obligations to the community are met. • The purpose of the Indicators is to look at the different ways a company can impact on the community and how the impacts can be measured • UQ has been investigating approximately 10-12 indicators and is currently preparing the data with a final aim of creating a simple website that puts figures into context and is useful for the community • Some examples of information which could be shared include: <ul style="list-style-type: none"> - Employment: 3.6% of employed work force in the Western Downs are QGC (including contractors), ongoing workforce predications and progress report on work occurring on major projects - Infrastructure and Road upgrades: Costs and monitoring of kilometres driven during construction and operational period - Housing: number of enquiries for housing at local community centres and real estate agents (including social and affordable housing), property statistics buying/selling, redevelopments and DA approvals, availability and cost of housing (to purchase and rent), indigenous housing needs, availability of housing for special need situations elderly, disability etc, number of

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	<p>persons per household and amount of housing used by local people versus contractors. Overall it would be useful to use this information to create an indicator of overall housing demand</p> <ul style="list-style-type: none"> - Workers camps: number of people and locations • Through the cumulative impacts indicators it can assist in understanding what is occurring within communities across the long term of all the different projects being developed in the region. <p>A committee member said it would be good to add to the project information and research on what other communities have done in similar circumstances to the Western Downs region e.g. inclusion of literature on boom towns</p> <p>Will Rifkin said that part of the project includes working to build relationships with people overseas and collective groups of social sciences to share information on respective research projects</p> <p>Will Rifkin gave committee members forms outlining the cumulative impacts indicators project that the University of Queensland is managing. All committee members were invited to take part or be kept informed on the project should they be interested.</p> <p>Those interested in learning more about the project should contact The University of Queensland, Centre for Social Responsibility in Mining and Centre for Coal Seam Gas on 07 3346 4042 or email w.rifkin@uq.edu.au .</p>
<p>e. SIMP Six Monthly Report Update</p>	<p>Kristelle Townsend provided an update on QGC's recent social investment initiatives. Key points were:</p> <ul style="list-style-type: none"> • QGC has committed to invest \$32 million on up to 56 houses in various towns across the Western Downs Region. Twenty seven houses have been completed • The first two houses in Miles have been completed and will be leased at no cost to Darling Downs Hospital and Health Service to assist with recruitment and retention of health workers in the region • QGC has invested 5.7million in the Western Downs Housing Trust for affordable housing. The development process is progressing <ul style="list-style-type: none"> - Blocks for development identified - Website being developed to provide housing trust activity updates and the council's affordable housing strategy - Proposal for first development is under evaluation • As of March 2013 QGC and its major contractors had

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	<p>employed approximately 11,600 people</p> <ul style="list-style-type: none"> • There has been an increase of over 4,000 (approx. 60%) of QGC/QCLNG workers since March 2012 • In April 2013 QGC had around 130 vacancies for long-term skilled operational roles • At March 2013: <ul style="list-style-type: none"> - 822 QGC and major contractor employees were residents of the Western Downs region. This is approximately 7% of the QGC workforce - QGC and major contractors had employed 342 apprentices, trainees, graduated and cadets - The Strengthening local workforces program had assisted 76 trainees and apprentices located in Western Downs region to start their training • Sustainable Communities Funding project for Round 5 has been decided and will be announced over the coming weeks • To date 38 projects have been funded in the Western Downs Region, worth more than \$1.2million • QGC has been actively engaging and supporting recent community events including Youth Week, Smoked Fish, Wandoan, Miles and Chinchilla Show days and Chinchilla Melon Festival.
<p>f. Actions from previous meeting</p>	<p>Jim Cavaye reviewed the actions from the previous meeting.</p> <p>Site Tour: A site tour rescheduled from February followed the meeting.</p> <ul style="list-style-type: none"> • Visit to Windibri facility with a tour of the water treatment plant, a central processing plant, field compression station and well site. This was followed by a visit to QGC's Tharlane property for a demonstration of coexistence between strategic cropping land and CSG operations. Tour attendees saw: <ul style="list-style-type: none"> - Demonstration of coexistence between grazing land and well sites - Planning and construction of pipeline gathering systems. <p>Tharlane is a prime example of coexistence between agriculture and CSG. It continues to be run as an agricultural enterprise via a share farming and agistment agreement with local property owners. QGC's Rural Property Asset and Compliance Manager, Andrew Rushford, explained to the committee how the site operates.</p>

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	<p>Update on Sustainable Indicators An update was provided during this meeting.</p> <p>Advocating for addressing housing shortages Jane Holdsworth who presented on the Western Downs Affordable Housing Trust at the last meeting has left Western Downs Regional Council. Cr Carolyn Tillman present at the June meeting noted this action down for follow up at the next meeting.</p>
<p>g. Adoption of minutes</p>	<p>Jim Cavaye asked the Committee to formally consider the 28 February 2013 minutes and asked for suggested changes.</p> <p>The 28 February 2013 Regional Gas Field Community Committee minutes were adopted.</p>
<p>h. Community feedback</p>	<p>Jim Cavaye invited Committee members to share feedback from their networks.</p> <p>Practical actions to address the housing problems were discussed. Key points were:</p> <ul style="list-style-type: none"> • Questions were raised regarding the Royalties for Region program and whether more support should be going towards housing and supporting local social services which have recently lost funding rather than just targeting road infrastructure. <p>Action: QGC to update the Committee on the rules/process for Royalties for Regions.</p> <p>Action: QGC to find out more on the Gasfield Commission and their roles and responsibilities as well as the groups authority and influence on Government.</p> <p>Action: An update on the activities of the Housing Trust to be provided for the committee at the next meeting.</p>
<p>i. Preparation for next meeting</p>	<p>The next meeting will be held August 29 2013, 10am – 2pm venue to be confirmed.</p>
<p>j. Items for next agenda</p>	<p>Jim Cavaye invited the Committee to propose agenda items for the next meeting.</p> <p>No agenda items were suggested.</p>

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3. General Business

Jim Cavaye welcomed the new QGC Social Performance Manager, Rebecca Crawford who has recently taken over from Zoe Carroll. Jim acknowledged Zoe Carroll's contribution to the committee over the past years and thanked her for the support.

4. Meeting Close

The meeting was closed by Jim Cavaye at 11.00am.

The next QGC Regional Gas Field Community Committee meeting will be on 29 August from 10:00am to 2:00pm.

5. Regional Gas Field Community Committee Members

Representative	Organisation
Bill Nicholas	AgForce
Carollee Murphy	Western Downs Regional Council
Cr Carolyn Tillman	Western Downs Regional Council
Cecily Brockhurst	Northern Gas Field Representative
Ros Wade	Southern Gas Field Representative
Floyd Leedie	Goondir Health Services
Kathie Fletcher	Queensland Murray-Darling Committee
Doreen Goldsmid	Central Gas Field Representative
Jenelle Choyce	Southern Queensland Institute of TAFE