

MEETING MINUTES



MINUTES OF: AIFL Committee Meeting
 HELD AT: Toowoomba USQ
 DATE: 13 June 2013
 COMMENCEMENT TIME: 9.30am

PRESENT:	Darren Holmes, Chris Wicks; Wayne Newton, Paul McVeigh, Jamie Grant, Stuart Armitage; Steve Hanlon, Rodney Williams; Frances Kinman, David Munro, Ilija Grgic, APOLOGIES: Jeff Bidstrup, Mike Ward, Gerard Coggan, Chris Barry
CHAIRMAN:	Darren Holmes
DISCLOSURES	

		ACTION
ITEM 1	Quorum Darren confirmed that there was a quorum for the meeting. Chris advised the committee that landholder Greg Bender had been invited to join the Arrow IFL committee and had accepted. Greg was not able to attend today.	
ITEM 2	Safety Moment by Chris Wicks was on Automatic Crash Notification technology now installed in some vehicles and how it operates.	
ITEM 3	Minutes Of Previous Meeting The minutes from the previous meeting of 11 October 2012 were accepted and approved	
ITEM 4 JOINT ASCRG	Arrow Research Projects Key research areas undertaken or supported by Arrow <ul style="list-style-type: none"> • Centre for Coal Seam Gas, which forms part of the Sustainable Minerals Institute of the University of Queensland. Conducts research into four key areas: Hydrology, Geoscience, Petroleum Engineering, Social performance and community impact • Organic Compound Research – Queensland University of Technology, investigating geochemistry and potential for leaching of organic compounds from produced groundwater. • Endangered species study – conducted by Worley Parsons, to develop management plans for potentially impacted endangered species within Arrow’s development areas. • Overland Flow / Area Wide Planning – in association with Condamine Alliance • Erosion and rehabilitation trial – by SEEC Consultants to investigate and develop appropriate erosion and sediment control measures across different land types. • Joint industry investigation into gas migration – CSIRO commissioned by APPEA to investigate gas migration in the Surat Basin. • Composting trial (planned) – to investigate use of drill cuttings combined with other waste streams (esp. green waste) to use as fertiliser. Cr Hall asked that Arrow include WDRC in their considerations of waste usage, as Council has various waste streams (e.g. green and sewage) available and there is opportunity to achieve a mutually beneficial outcome. • Greenhouse gas emissions, various areas of investigation, e.g. CCSG, APPEA, Commonwealth • Beneficial use of CSG water, additional works under consideration in association with USQ. Discussion on this topic covered: 	Colin Whyte

<ul style="list-style-type: none"> Threatened flora species <p>The following points were discussed and noted:</p> <ul style="list-style-type: none"> Soil testing with USQ will potentially last for 12 months Theten soil testing results available. 	
<p>Theten Update</p>	<p>John Stone</p>
<p>Key points</p> <ul style="list-style-type: none"> History of Theten Current farm set-up (infrastructure types and capacities) Summer/winter crop yields Soil and water testing Forward plan for farming activities <p>The following points were discussed and noted:</p> <ul style="list-style-type: none"> There is currently no current gas infrastructure situated within irrigated areas of Theten. This is part of a phased approach, where the first objective is to demonstrate that treated CSG water can be used successfully for irrigation. Subsequent phases will trial other aspects of co-existence between CSG and farming, including well design and location matters. General discussion around the objectives of Theten, e.g. is it to demonstrate commercial production, or to demonstrate sustainable irrigation using treated CSG water, and over what time frames trials will run, are different soil types being tested etc. An action was taken to provide a more comprehensive overview of the strategy and objectives of Arrow's farming demonstrations. Public access to data collected on the farm. Questions around the types and frequency of data collected, how data are interpreted and reported, peer review mechanisms Depth of soil testing, reflecting discussion around whether Arrow's application of water for irrigation is causing deep drainage. Whether use of water on Theten is a 'new' use, and would it be given preference in the event of a shortfall elsewhere. TK answered that the primary purpose of Theten is for demonstration, and in the event of competing needs (e.g substitution of allocation) that Theten would not take priority, or to represent an ongoing "new-use" of water. The amount of water applied per Ha was discussed, and questioned as to whether the amount (8-9ML/Ha) could possibly bias yield results. This matter will be addressed in a future presentation on the strategy and objectives of Theten farm. 	
<p>Land access compensation framework</p>	<p>Rod Williams</p>
<p>Key points:</p> <ul style="list-style-type: none"> Arrow's revised Land Compensation framework was presented, explain the logic and components used to calculate compensation amounts. Compensatable elements are based on Land Value, and include disturbance, landholder time, construction/development intensity, <p>The following points were discussed and noted:</p> <ul style="list-style-type: none"> Pipeline easement compensation continues after rehabilitation has taken place CPI is included in the compensation agreements as an escalation factor for enduring infrastructure (i.e more than 1 year life). Question raised around possible legal constraints (trespass)that might be invoked by directional drilling under the boundary of neighbouring property not subject to a compensation agreement Comment made that CSG infrastructure has potential impact on value of property at sale. Arrow responded that it had no real evidence of this issue, and also that it may be temporary and reflect current perceptions of the industry which may change over time.GH made comment that Arrow needs to be cognisant of the importance of maintaining farm asset values, as these are clearly of utmost importance to landowners, and that the fundamental premise is they cannot be reduced. 	

**Michael
Barker/
Stephen
Denner**

Water update

Key points presented on connectivity and bore assessments work:

- Collaboration with Office of Groundwater Impact Assessment (OGIA) to coordinate and oversee a number of the components of the project.
- Project was proposed as future research in the Surat Underground Water Impact Report (UWIR).
- Stratheden and Daandine are the two current study areas
- Baseline assessments on quality and quantity of water supply, including details of bore construction etc.
- Results of the project will be incorporated in the revised OGIA model in 2014 and subsequently reported in the new Surat Cumulative Management Area UWIR.

The following points were discussed and noted:

- DH enquired around Arrow's intentions to plug and abandon 'Impacted water bores' (as defined by the OGIA list of identified bores) which may produce gas. TK answered that they are dealt with on a case by case basis, and with consideration to safety aspects together with water supply requirements (i.e whether ongoing use is required etc)
- On the topic of gas migration, there are various studies going on by both industry and Government, and looking at both natural and induced gas release (e.g due to fugitive emissions from wells or pipeline infrastructure etc)
- Question around where Make Good agreements include both quantity and quality. Make good' agreements can be amended by agreement if circumstances or predictions change. Data from the baseline bore assessments is provided to the relevant landholder and submitted to OGIA as required under the Water Act.

ITEM 5 Area Wide Planning report back to the IFL committee – Chris Wicks

Area Wide Planning – *success measures set by the AIFLC*

Success Measure	Kupunn		Cecil Plains	
	Arrow	IFLC	Arrow	AIFLC
How we can integrate with the landscape and minimise impact on existing industries	Above	Above	Met	Met
Area wide maps that show infrastructure and overland flow	Above	Met	Below	Below
Access tracks positioned in consultation with landholder	Below	Below	Below	Below
Overland flow information collected and considered	Above	Met	Above	Below
Test bottom up (farm) & top down (gas field constraints) approach	Above	Met	Met	Below



Discussion following Presentation

- Stuart – on one-on-ones – group didn’t feel they were in a position – what happens on one landholders affects others, Need all infrastructure to scale on maps , still have not answered questions on OH&S,
- Paul - Landholders still frustrated, Arrow needs to bring us your best guess,
- Stuart – proposal to do some more work with a small group of landholders in Cecil Plains, Stuart, Steve, Peter Armitage and Blighs. Outcome is to complete the AWP to see how it looks.
- Arrow will be undertaking broader engagement later in the year to fill the gaps of information. Pilot has helped us learn how to do this better next time
- Stuart – Q. will you walk away from a gap (circles) A. Dave – new technologies may become available in time to reach gaps or single well site.
- Stuart Q. Can Arrow unequivocally state pads will work. A. This is our plan, works everywhere else in the world and will be tested in upcoming works.

Areas for discussion/development at the next IFL meeting

- Restrictions – How could my farming operations be constrained or limited during construction and drilling? And once the field is operating?
- How will Arrow (via LLOs) and landholders disclose and communicate their anticipated activities?
- What will the HSE considerations be for Arrow and landholder activities?

ITEM 7 Projects Update

- Trenching and laying pipe/ trunklines

Q. What width do they need to operate in? A. 15-20 metres Q. Will they remove topsoil? A. In consultation with landholder and dependant on land and soil

ITEM 8 Other Business

- None

ITEM 9 Next Meeting

- The next meeting is scheduled for Thursday 8th August in Dalby (venue to be confirmed) with a 9.30am start.

There being no further business, the meeting was closed at 1.45 pm.

CONFIRMED AS A TRUE AND CORRECT RECORD.


Chairman