
**MINUTES OF CALGA COMMUNITY CONSULTATIVE
COMMITTEE MEETING – EXTRAORDINARY MEETING**

Meeting Date: Monday 25th February, 2019

Start: 5:04pm

Closed: 6:34pm

Venue: On site – Hanson Quarry

Present:

Andrew Driver (AD)	Eastern Region Development Manager
Chris Dolden (CD)	Metro Quarry Operations Manager Aggregates
Lisa Andrews (LA)	Independent Chairperson
Shane Pescud (SP)	Calga Quarry Manager
Belinda Pignone (BP)	Graduate Environmental Planning & Compliance Coordinator
Margaret Pontifex (MP)	Community Representative
Graeme Ausburn (GA)	Community Representative
Terri Thomson (TT)	Community Representative (<i>arrived at 5.15pm</i>)
Brad Seaman (BS)	Calga Quarry Supervisor
Peter Dundon (PD)	Dundon Consulting Pty Ltd (Hydrogeologist & Independent Groundwater Consultant) – <i>invited guest</i>

Apologies:

David O'Bryan	Community Representative
Annette Wilby	Community Representative
Tassin Barnard	Community Representative

ITEM 1: Opening & Welcome by Chair

LA opened the meeting at 5.04pm and welcomed all attendees to the extraordinary meeting of the Calga CCC, which was requested by TT, GA & TB seeking further information on the groundwater monitoring program and results.

ITEM 2: Apologies

As listed above.

ITEM 3: Declarations

LA declared that she is an approved Independent Chairperson, appointed by the Department of Planning and Environment and engaged by Hanson to chair this CCC.

ITEM 4: Business Arising from the previous meeting held 25th November 2018 and finalised on 18th December 2018

ACTION ITEMS

ITEM	DESCRIPTION	RESPONSIBILITY
1	Hanson to provide CCC with its position on the Rozmanec's bore. (Complete – this information was provided to CCC members on 3/12/18 advising that Hanson has entered into a non-disclosure agreement with the Rozmanec's regarding their bore. Accordingly, whilst the details cannot be provided to third parties, it was advised that Hanson is actively working with the Rozmanec's to initiate the preliminary works.)	AD/LA
2	Hanson to amend bore monitoring program (Covered in presentation)	SP/BP
3	SP to liaise with TB regarding weed removal. (Complete - SP met with TB on 31/3/19.)	SP/TB
4	BS to inspect boundaries of Hanson property where motorbike riders are accessing the area outside quarry hours. (BS inspected area, padlock had been removed and will be replaced.)	BS/TB

No other business arising.

ITEM 5: Correspondence – as per report sent with meeting notice on 13/2/19

- 3/12/18 – Email to members with advice on the Rozmanec's bore.
- 8/12/18 – Email to members with the draft minutes for review.
- 18/12/18 – Email to members with the finalised minutes.
- 18/12/18 – Email from TT on behalf of GA & TB requesting an extraordinary meeting to discuss the bore monitoring. Acknowledged and forwarded on to Hanson for action.
- 3/1/19 – Email from Hanson seeking a list of questions from members in order to ensure all responses are provided at the meeting.
- 3/1/19 – Email to members requesting questions for the proponent & consultant.
- 3/1/19 – Letter to MP with the same information.
- 4/2/19 - Email to members suggesting Monday 25th February 2019 for the extraordinary meeting.
- 4/2/19 – Letter to MP with the same information.
- 13/2/19 – Email to members with the meeting notice & agenda for this meeting.

Accepted.

ITEM 6: Groundwater Monitoring Presentation

PD commenced his presentation on the monitoring results from 2018 with water level hydrographs for all the private bores, advising:

- No significant effect on private bores CP4 & CP5
- CP7, CP15 – CP15 will be monitored this year. CP7 experiences up/down due to pumping. Trend generally follows rainfall pattern. Drawdown effect not shown in bores between CP7/CP15 and the quarry.
- CP8 – Last couple of years noticeable drawdown.
- CQ4, CQ11S and D – 2011 stage 3/6 effect drawdown due to quarrying.

- CQ4 (water level) – Rainfall Cumulative Deviation. April 2011 Stage 3/6 impacts from quarry haven't recovered but no further effect.
- CQ10, MW9 – divergent around 2012, 2013 from rainfall cumulative deviation. CQ10 6m, MW9 4m.
- CP8 – estimation 3m to 4m drawdown. Possible partially climate effect, partially impact from the quarry.
 - Drilled during high rainfall (1991).
- CP8 water coming from a perched aquifer. Not a continuous aquifer. Water has a preferred path within rock. Rainfall and climate is the main contributor to effects on ground water table.
- Environmental impact – springs have disappeared in the last couple of decades. Main source of water within the quarry is from rainfall (rainfall → perched aquifer → ponds).
- Groundwater flows into quarry – licensable, working within approved licence.
- MP commented on the 2036 Central Coast Regional Plan, currently on exhibition with DPE, which states that more quarries are planned, asking if the effects from more quarries can be minimised to protect the environment for future generations? Informed that new applications are subject to legislation, regulatory requirements and environmental controls.
- Area south of the quarry – vegetation (hydraulically downgrade) has not been affected by quarry activity. Impact contained, extent is small.
- GA stated that yield testing on the onset should have been carried out. Enquiring whether Kings been approached to have their bore tested? SP advised that they had, however, had declined.
 - Comment: Some bores didn't receive yield testing but had water levels recorded. Within this groundwater environment water level is directly affected by yield.
- Salinity – what effect has the quarry had in this aspect. CP4, CP5, CP6 and CP13. pH - again no change – fluctuations but no impact.
 - CP10, MW9 – Salinity impact possibly from tailings (within the last year-6 months).
 - Nitrates – Private bores, CP4, CP5, CP8, due to farming. CP4, CP6, CP7.
- Completion 3/6 expectations
 - Drawdowns >2m in off-site areas east including CP8 and CP14
 - No drawdown >2m offsite to south or west
 - Drawdowns >1m in off-site areas east including CP8, CP14 and CP13, north CP4, CP5 and CP6.
- Post closure groundwater conditions
 - 2025 no further changes to groundwater (model prediction) equilibrium conditions reached.
 - No adverse quality impacts from quarry are expected to occur.
 - No off-site migration of any contaminants in groundwater (due to groundwater gradient running towards quarry pit).

ITEM 7: Project Update

SP provided a brief update on the current activities on the quarry site, including rehabilitation that has occurred. Photographs on these works were shown to the CCC.

ITEM 8: General Business

- TT asked what was happening with the Rozmanac's bore. AD – advised that Hanson has provided documentation to them and that he spoke with John Rozmanac last week.
- GA questioned that the AEMR had not listed the non-compliance by Rocla on its breach of Section 319 of its development consent. Further discussion on this matter ensued. It was agreed that the AEMR related that that calendar year of review and that the non-compliance issue from 5 years ago in Section 36 was reported at that time and therefore not an on-going non-compliance.
- GA stated that last time TB had enquired what the life of the quarry was. AD advising that the consent is current to 2036, however, was still dependent on demand, sales, crushing, etc.
- GA enquired whether Winston White's bore was going to be included in the monitoring program. PD advised that it was just beyond the 500m limit that was required to be monitored, however, it was agreed that it should be included on the program.

ITEM 9: Next Meeting: Monday, 6th May 2019 at 5pm on site

Meeting closed at 6.34pm with LA thanking all for their attendance and Peter Dundon for a comprehensive presentation.