

New Chum Community Reference Group

Meeting Agenda

Title: New Chum Community Reference Group

Date: Monday June 22, 2015

Time: 6.00 – 8.00 pm

Facilitator: Nathan Williams

Venue: Ipswich City Council Administration Building, 50 South Street, Ipswich

Item	Details
1. Welcome & Apologies	Apologies from Paul Tutin
2. Review of Minutes	Review of minutes from the last CRG meeting on 28 January 2015 <ul style="list-style-type: none">• Update on Action Items• Confirmation of Minutes• Updated Terms of Reference
3. Community Benefit Fund	Update from Neil Perry 1 st round payments and next round.
4. Operations update	<ul style="list-style-type: none">• Cell Development and fencing and new stormwater dam and concrete crushing• Latest groundwater test results.• Environmental monitoring information, New Chum web pages - some information is repeated, monitoring data is outdated. At the 23 March meeting DH undertook to update monitoring results.• Update on profile application with ICC<ul style="list-style-type: none">○ Update on progress of the application, including prospective relocation of leachate ponds (one over the present location and one on the northern boundary ref: MA4629/2013A)• Update on the ICC works requirements• Complaints update<ul style="list-style-type: none">○ Noise enquiry (by Jim to DH dated 30 May 2015) - what was the outcome of the enquiry / the source of the noise?

- Concrete crushing - update on progress - How much time has been spent on this activity to date? How much material has been processed and what has been done with it? Have any issues arisen? Have there been any noise or dust complaints? Answer to question taken on notice 23 March - does "zero audible noise" emission still stand in relation to this activity?
- Cancelled Permissible Change
Application MA4250/2011B - Modification / Change Conditions of Approval, submitted 10 Feb 2015, cancelled 1 June 2015 - there are no documents publicly available on pdonline for this application. Request clarification of the subject of this application and why it was cancelled.
- Inspections update
- Factors of Safety for underground mine pillars
 - As part of Paul's work in risk consulting within the mining sector, the below information on pillar stability recently came to his attention:

The University of NSW calculated factors of safety based on the probability of pillar failure gathered from global data. The numbers were checked and affirmed by the Manager of Geotechnical Engineering at a leading international mining company.

As a guide it is considered that safety factors above 1.2 will provide stable pillars in short term panels and above 1.8 will be stable for longer term mains areas. A safety factor of 2.11 should be used for the design of Life of Mine pillars. It is recommended that at least two methods of calculating safety factors should be utilised. The safety factor of 2.11 should be compared to the following factors of safety provided in the Moreton Geotechnical Services Report dated 4 Sept 1998 which was written by Ken Grubb for Environautics P/L regarding the New Chum Landfill prior to the issue of TPC192/98:

Cell 1 indicative factors of safety 2.4 and 1.7
 Cell 2 indicative factor of safety 3.5
 Cell 3 indicative factor of safety 1.3
 Cell 4 indicative factors of safety 1.2, 1.2, 1.3, 2.4
 Cell 5 indicative factors of safety between 2.5 and 7.4 (calculated for selected pillars on 6 sets of

	<p>workings)</p> <p>Generally, a Factor of Safety of 2.11 is thought appropriate for the safety of people entering a working mine during its life (the length of which is highly variable) and is also generally thought appropriate for longer term stability.</p> <p>However, as we've seen from a 2013 submission by the mining engineer Hugh Taylor (http://www.minesurveyors.com.au/files/TMS-SET-Submission-RE-QMSF-Consultation-RIS-Nov_2013.pdf), old mine maps are not always accurate. Also quite often, pillars are mined on the way out (towards end of mine life, as was the case under sections of Collingwood Park) and this is not always recorded on the old maps.</p>
5. Whole of Life Plan	<ul style="list-style-type: none"> • Update from Transpacific
6. Employment Update	<ul style="list-style-type: none"> • Positions vacant / jobs available
7. Equipment Update	<ul style="list-style-type: none"> • New equipment arrival
8. Next Meeting	<p>Date of Next New Chum Community Reference Date to be determined – bimonthly, suggested date: September 21, 2015</p> <p>Venue – Ipswich City Council Administration Building, 50 South Street, Ipswich</p> <p>Time: 6 – 8.00 pm</p>