



**MINUTES OF THE THREE KINGS QUARRY LIAISON MEETING
HELD AT THREE KINGS SCHOOL HALL
ON MONDAY 8th SEPTEMBER 2008**

Present: Winstone Aggregates Attendees:

Bernie Chote, Tony Carpenter, Richard Compton, Chris Edmonds,
Sari Eru, Mike Harris, Sandra Kelly

Chair: Deborah Clapshaw (Chairperson/Facilitator)

Auckland City Council Attendees:

Michael McQuillan
Graeme Mulholland, Councillor Avondale/Mt Roskill Ward

Residents and Interested Parties:

Austen Bell, Three Kings United Group

John Arnerich, Fiona & Keith Caldwell, Veronica Friedlander, James Fuller,
Bill & Carolyn Hulme, Stewart Mathiesen, Bruce Purdie, Prem Singh, Dawn
Taylor

Apologies:

Gail Bourne, Tracey Heyward-Petry, Paul Johnson, Elizabeth Petrie, Alisa
Warburton

1. Confirmation of Previous Minutes

Deborah Clapshaw declared the Meeting open at 7.03 pm, and sought confirmation of the Minutes of the previous Meeting held on 19th May 2008.

Moved by B. Chote, Seconded by M. McQuillan - Confirmed.

2. Matters / Actions Arising

Managed Fill – Recap

R. Compton sent C. McLaren a copy of the letter/s requested with respect to previous open space correspondence with the ACC.

Page Two

Review of TSP Monitoring Plan

A revision of the Air Quality Management Plan to take into account continuous monitoring is yet to be posted on the Company's website, as commissioning of the unit is still in progress.

Action: Post on website when available

Update of Managed Fill Consents

Traffic Planning/Transport – a copy of the Traffic Assessment Report was distributed with the previous Minutes.

Key Stakeholders Meeting

Boffa Miskell met with community representatives on 21st May and with ACC and community on 1st July.

Batters Adjacent to Big King

- M. McQuillan advised that the Council is aware of the cross section of the elevation relating to Three Kings Quarry.
- B. Chote was to send a copy of the Council's (J. Ashby's) letter dated approx. September 2006 to TKU. However, it was discovered that there was no letter, just the cross section as presented at last Meeting and contained in the Minutes. Boundary to be presented in relation to the pit on upcoming slides tonight.
- B. Chote still to have a boundary survey carried out. **Action: B. Chote**

QMP Update

R. Compton provided copies of the QMP to TKU & SEPG, plus the Council and Library, in late May and early June.

Traffic

A copy of the Traffic Report was distributed with the Minutes.

3. Site Monitoring Report

Mike Harris presented the September 2008 Report as follows:

Groundwater Levels

- Groundwater levels in the quarry have been held above RL34m since October 2002.
- Groundwater levels in bores surrounding the quarry are generally following seasonal variations; most recently reflecting the higher than average rainfall over the last three months.
- The groundwater level in BH40 to the south-east of the quarry has risen but is still below its season variation allowance.
- Transit's consultants have been notified but this fall in groundwater level is very unlikely to be the result of dewatering Three Kings Quarry.

Precise Level Surveys

- A survey of all precise level benchmarks was completed in April 2008.
- This survey is currently being undertaken annually, with the next precise level survey scheduled for March 2009.

Air Quality Monitoring

- The Continuous Real Time Dust Monitor has been operating since April 2008.
- The Hi-vol TSP samplers on the northern boundary and on the roof of the quarry office have been retained for a 12 month period to provide an overlap between the real time monitor and the Hi-vol samplers.
- Air quality monitoring results since mid April have all been pretty good.
- 74 samples were collected from the Hi-vol TSP Samplers; all of which were less than 80 mg/m³ per 24 hour period.
- Air quality monitoring results from the Continuous Monitor have also all been below 80 mg/m³ per 24 hour period.

Quarry Noise Monitoring

- The 6 monthly noise survey was undertaken on 22nd August 2008 at the two locations defined within the Quarry Management Plan (one between the quarry and Fyvie Avenue, and one at the end of Graham Breed Drive).
- Fyvie Ave recorded 55 dBA L10 and Graham Breed Drive 50 dBA L10.
- Both measurements complied with the relevant noise criterion of 55 dBA L10. The noise survey was undertaken while the quarry was operating.
- It was noted that the Fyvie Ave measurement was taken at roof level of the houses at the end of Fyvie Ave, and that the noise level from the quarry at ground level of the houses would be lower due to additional screening from the topography.

Rodent and Pest Control

- Further to the rodent tracking undertaken late last year, and following a comment made after the February 2008 Meeting, two possum traps have been set, one down from the end of Barrister Ave and the other behind the café on Mt Eden Road.
- These have been reasonably successful with 17 possums caught to date. These traps will continue to be set.

Bruce Purdie said there is bird life on the outskirts of the quarry, and asked whether the grass on the quarry face had been sprayed – M. Harris replied yes, it was sprayed for pampas grass.

Austen Bell asked where the Continuous Monitor was placed. The Continuous Monitor is on the quarry office roof, side by side with the existing Hi-vol monitor. The other Hi-vol monitor is located on the northern boundary. The Continuous Monitor is running 24 hours a day, 7 days a week.

4. Quarry Complaints

T. Carpenter reported that on 28th July a complaint was received regarding a small tree which had fallen on the fence between the quarry and Three Kings Reserve, due to bad weather conditions. It was cleared, along with a number of other trees along the same boundary line.

5. General Business

B. Chote advised that the information contained in his presentation would be sent out with the Minutes. A brief summary follows:

Excavation Cross Section

B. Chote displayed the various cross sections and gave explanations of these, which had been prepared by a Mining Engineer. A. Bell said he has seen a CAD diagram produced in the UK, and he then added that he would need to obtain permission to take the matter further.

Action: A. Bell

Update on Managed Fill Consents

Air Quality

B. Chote explained that the Company will still have to meet the guidelines set down, e.g. air quality etc. He then answered questions on potential dust problems as the pit was filled, and explained that the type of cleanfill received would be of a moist nature. In response to a resident's question, he added the Air Quality Report would provide an expert opinion regarding emissions due to increased vehicle movements.

Action: B. Chote

Any fill from the proposed Mt Albert tunnel would also be very wet. A. Bell thinks cleanfill generates a lot of dust, however Mr Chote replied that this is not the case at Puketutu Island. V. Friedlander queried asbestos dust, and Mr Chote advised that Winstone Aggregates do not accept that type of material for cleanfill.

There could be up to 375 truck movements into the quarry per day on average. It is intended that the quarry would be open the same hours as it currently is, although R. Compton added that the site is effectively only bound by noise limits in the District Plan, and not absolute times. Those noise limits vary according to time of day, and day of week. The Traffic Report already provided shows the proposed new entrances.

Surface Water

A resident raised questions with M. McQuillan on the above subject. He replied that this would not be significant. He added that surface water drains down the stormwater system.

Soil Science

Report should be available by the end of September.

Ground Water

Report and peer review should also be available by the end of September. The aim is to continue pumping whilst available. A. Bell thinks the water is full of nitrates, however B. Chote explained that it is still of drinking water standard.

Geotechnical

Assessments complete and distributed to TKUG and SEPG.

Traffic

Nothing further to report.

Noise

Assessment should be completed and available by the end of September.

Further Note on Cleanfill Items

Bernie Chote advised that odorous materials are turned away at the Weighbridge at Puketutu Island cleanfill, as well as checks being carried out for petrochemicals and other dangerous items. We also use an XRF machine to check the materials contained in the back of trucks before allowing them to proceed to the cleanfill area.

Consultation on Managed Fill

B. Chote displayed a brochure which was being mailed out to residents this Saturday, saying he would leave a pile on the table so that residents could take them home tonight.

Revised Timetable

A copy will be included with the Minutes.

10 Year Plan Change Process

C. McLaren and R. Bellamy were not present at this Meeting, however there is an Auckland City communication of consultation regarding the Isthmus. There will be a public meeting on 15th September, run by the Council, regarding the District over the next 10 years.

6. Next Meeting

Monday 8th December 2008 at 7.00 pm

Meeting declared closed at 8.20 pm