

## THREE KINGS QUARRY SITE LIAISON GROUP MEETING

### MINUTES OF THE MEETING HELD ON MONDAY 28<sup>TH</sup> AUGUST 2017 AT THE LYNFIELD ROOM, FICKLING CONVENTION CENTRE, COMMENCING 7.05 PM

#### PRESENT:

#### Winstone Aggregates / Fletcher Attendees:

Andrea Cave, Chris Edmonds, William Hay, Mike Harris, Sandra Kelly (Minute Taker) – Winstone Aggregates, Nicolas Giraldo (Development Manager, Fletcher Residential)

#### Elected Representative Attendees:

Lee Corrick (Albert-Eden Local Board)  
Harry Doig (Puketapapa Local Board)

#### Auckland Council Attendees:

Richard Preece (for Andrew Grey, Monitoring Inspector, Compliance Unit, Resource Consents Dept)

#### Residents and Interested Parties:

Professor Dick Bellamy (South Epsom Planning Group)

Alan Bigelow, Miriam Hartmann

David Towle (Chairperson/Facilitator)

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#### **1. WELCOME BY CHAIR**

David Towle welcomed everybody to the Meeting. He noted a problem with the access door, therefore Andrea Cave will keep an eye out for any late-comers. Local Board representatives confirmed there was currently a security issue with the doors that was being addressed.

## **2. APOLOGIES**

Garry Bryant (Three Kings United Group), Councillor Cathy Casey, Angela Klein (Winstone Aggregates), Patsy Sim.

Moved: D. Towle, THAT the Apologies be accepted.

**Carried**

## **3. CONFIRMATION OF PREVIOUS MINUTES**

Moved: D. Towle, THAT the Minutes of the Meeting dated 29<sup>th</sup> May 2017 be accepted as a true and accurate record. Seconded: N. Giraldo.

**Carried**

## **4. MATTERS ARISING / ACTION ITEMS**

### **Action 1**

Andrea Cave to investigate/discuss with Fletcher Living potential future blasting and report back to the next meeting.

N. Giraldo confirmed that as part of the ongoing development of Three Kings it will be necessary to undertake blasting. The blasting would be undertaken by an external company Red Bull Powder Company. In order to undertake these works a new consent will be required and this consent will dictate the limits that Fletcher Living need to comply with in terms of vibration and other associated effects.

### **Action 2**

Angela Klein to add discussion topics to next Meeting Agenda which were raised by Prof Bellamy at previous Meeting/s. Items include a) discuss trimming of area (130,000m<sup>2</sup>) which was raised at the Environment Court, and b) locations of where noise monitoring equipment could be stationed.

Hard rock removal / blasting in the corner – Prof Bellamy advised vibrations had previously occurred, allegedly triggering subsidence around a house where the netting is located, and asked how will these be mitigated? N. Giraldo advised he has a Master Plan to show the Meeting which would provide further guidance on Fletcher Livings development intentions.

### **Action 3**

Andrea Cave to ask N. Giraldo what the Local Board is going to do regarding local car parking when the area is under construction.

N. Giraldo stated Fletcher need to have a discussion with the Local Boards once the phasing of the works is understood. He added that as they move towards the implementation stages, discussions with many parties will be undertaken once Fletcher understand the situation. Issues regarding the land exchange will also necessitate further discussions.

## **5. PUBLIC FORUM**

High Productivity Motor Vehicles (HPMV) Use of Mt Eden Road – raised by G. Bryant.

This matter was followed up with the company concerned and it was discovered that their trucks, running on 'H' permits, were bringing material from the city rail project, therefore they were allowed to use the Mt Eden Road route. A. Cave further reiterated on allowable truck routes, and that she has further information available on this subject to supply to Mr Bryant on the HPMV permitting process if requested. In addition Lee Corrick asked that additional information on the HPMV permit to be sent to herself as Mt Eden business owners had also expressed concern. It was advised by A Cave that if people had ongoing concerns they needed to approach Auckland Transport and NZTA. **Action: A. Cave**

## **6. SITE MONITORING REPORT**

M. Harris, Engineering Geologist, presented his Report (a copy of which is also on the company's website). Points to note include:

### **Groundwater Level Monitoring**

Groundwater levels are generally following seasonal trends with the groundwater level at Three Kings Quarry being held above RL34m.

### **Groundwater Chemistry Monitoring**

Samples for chemical analysis are required to be taken at six monthly intervals from the Pumping Bore within Three Kings Quarry and from BH 7 on Landscape Road (March and September). The next round of groundwater chemistry sampling is scheduled for September 2017.

### **Continuous Groundwater Quality Monitoring**

Continuous monitoring of electrical conductivity (EC) and pH is required to be undertaken in the Three Kings Quarry pumping bore. New pH and EC probes were installed at the Three Kings pumping bore in August 2015. The pH and EC probes are calibrated quarterly by an external technician and the pH electrode has been replaced annually in July 2016 and July 2017. No pH triggers have been recorded since the last SLG Meeting. The downward spikes in the EC recorded in October 2016 and June/July 2017 were both investigated and found to be a result of too high a flow in the sampling vessel.

### **Air Quality Monitoring**

Air quality monitoring equipment at Three Kings Quarry consists of two Continuous Real Time Beta Attenuation Monitors (BAM), time lapse video cameras and a metrological station. Air quality monitoring results recorded since the last SLG Meeting have been less than 30 micrograms per cubic metre as a 24 hour average. No air quality triggers have been recorded since the last SLG Meeting.

## **Noise Monitoring Results**

To ensure that the noise performance standards set in the District Plan and Consents authorising filling are met, monitoring on two representative occasions per year is undertaken. Noise monitoring was undertaken on 20<sup>th</sup> June 2017 by Marshall Day Acoustics Ltd. The cumulative acoustical emission from fill operations resulted in sound levels which complied with the relevant noise rules for quarry operations at both the Fyvie Avenue measurement position and the Grahame Breed Drive position.

## **Precise Level Survey**

A precise level survey of survey marks surrounding Three Kings Quarry is undertaken annually. The 2017 precise level survey was undertaken in March-April 2017. The survey marks extend from Dominion Road to the Royal Oak roundabout, from Watling Street to Carr Road. For results please refer to the Site Monitoring Report presentation which can be found on our website: [www.threekingsquarry.co.nz](http://www.threekingsquarry.co.nz) click on the "Community Liaison" tab, then click on the "SLG Minutes" tab for a list of the SLG Meeting documents.

No queries were directed towards M. Harris.

## **7. QUARRY AND FILL OPERATIONS**

The Report was included as part of the Meeting papers:

**Daily Truck Movements** – the total number of trucks to enter site per day has been below the consented limit of 375. An average of 52 trucks entered site per day over the last six months.

**Pest Control** – possum traps and rat bait stations continue to be checked and baited. One possum was caught since the last SLG Meeting.

**Complaints / Incidents** – one complaint was documented since the last SLG Meeting. The incidents and complaints procedure and reporting requirements were adhered to as per the TMP.

**Deep Fill and Shallow Fill Weighted Rolling Means** – all parameters were less than trigger limits.

Prof Bellamy asked since Spring is arriving and when the lack of wetness allows compaction to then continue, what is the company's intention regarding the future use of lime? W. Hay replied it might be a possibility. What impact will this have on the pH in both the short and long term should a decision be made for the water to resume its natural course down the Meola Catchment?

Prof Bellamy asked whether there would be any prior notice provided if lime was to be used in the future. A. Cave advised that the company will not use lime without approval from Auckland Council and as part of this process would also email Three Kings United and South Epsom Planning prior (as per the previous lime application).

Prof Bellamy then commented on pH drift of the water that is being extracted from beneath the compacted area and what trigger might be required? M. Harris replied that there is a limit on pH levels as per monitoring requirements, and that the pH is monitored continuously. Prof Bellamy then asked what the company does when the pH levels are received. W. Hay said the company would stop using lime if the pH level had risen. N. Giraldo advised the normal practice is to use as little lime as possible and that theoretically one would only detect a change in the aquifer's pH if surface water was present when lime was applied and it drained directly into the aquifer. However, lime is not used within 10 meters of the quarry face.

Professor Bellamy then requested a copy of any form of completion report/monitoring overview that was prepared at the completion of the lime trial.

**Action: A Klein / Auckland Council**

## **8. FUTURE DEVELOPMENT**

N. Giraldo displayed slides detailing the Master Plan that reflected the compromise position between the Societies and Fletcher. Changes include a higher fill level, changes of typology in a super block, public open space changes were also planned and others. Potential for a second land exchange which Auckland Council would need to agree to. The Unitary Plan needed to be adjusted for this purpose which the interested parties have already agreed upon. Planning provisions are being submitted for adoption at next month's meeting of Council's Planning Committee. Estimate it would take until September/October 2018 to begin to proceed. Noted that a Rehabilitation Consent would also have to be applied for.

The quarry floor, which is split into three areas, will continue to be filled.

H. Doig reinforced the work done by the Societies and Fletchers to get to this stage. Prof Bellamy added that the Societies support this proposal and agree it was good to find this resolution. However, regarding the Rehabilitation Consent – something will be necessary to fulfil the vision. He asked who would be overseeing this, to which N. Giraldo advised Fletcher Residential would. Prof Bellamy again queried the vibrations caused by the previous blasting. A. Cave commented that all previous blasting information had been made available to Fletcher Living as Prof Bellamy wanted to know what is to be done in this regard; also taking into account noise, vibrations, safety, traffic on Mt Eden Road, the proximity of the school and the possibility of fly rock etc. It is not practical to remove the lava rock with diggers, therefore blasting will have to take occur. Red Bull will be conducting the blasting and, in consultation with other parties, will assess what types and quantities of smaller charges will be required to avoid as little disruption as possible.

## **9. GENERAL BUSINESS**

Trimming of Area (130,000 m<sup>2</sup>) / Blasting in the Corner: Subject was raised at the Environment Court (from a previous Meeting), and was covered under 4. Matters Arising / Action Items on Page 2.

Locations of where noise monitoring equipment could be stationed (from a previous Meeting): It was noted that this subject will form part of the Consent conditions.

D. Towle thought it would be good if we could get greater attendance at these Meetings and suggested that attendees please spread the word to their neighbours etc. A community engagement process was suggested by Alan Bigelow, along with the subject of car parking in the SHA area.

D. Towle suggested A. Cave prepare a circular to encourage residents to attend.

**Action: A. Cave**

**10. NEXT MEETING**

**Monday 27<sup>th</sup> November 2017**

Meeting declared closed at 8.15 pm