

Dear Three Kings Community Member,

**RE: THREE KINGS QUARRY SITE LIAISON GROUP MEETING**

On behalf of GBCWinstone and Fletcher Living I would like to invite you to the upcoming Three Kings Site Liaison group meeting. This meeting is an opportunity for you to come along and learn about operations at the site, future development and to ask company representatives any questions that you may have about the day to day site activities.

**When:** Monday 28<sup>th</sup> August 2017

**Time:** 19:00 – 21:00

**Where:** Fickling Convention Centre – Lynfield Room, 546 Mount Albert Road  
(There is ample parking directly outside.)

For your information, please find attached:

- A draft agenda of the upcoming SLG Meeting
- A summary of actions from the previous SLG Meeting
- An Executive Summary of the Site Monitoring and Quarry Operation Reports

Please forward any agenda items and/or apologies by 12 noon on Monday 28<sup>th</sup> August 2017 to Andrea Cave on email: [andrea.cave@gbcwinstone.co.nz](mailto:andrea.cave@gbcwinstone.co.nz) or phone: 027 210 8679.

If you know of any others who would be interested in attending this meeting, please pass on this invitation.

All parties welcome.

Kind Regards,



Angela Klein  
**Environmental Fill Specialist**

If you do not wish to continue to receive such communications from GBC Winstone please advise Andrea Cave (contact details are provided above).

# THREE KINGS QUARRY SITE LIAISON GROUP MEETING

Monday 28<sup>th</sup> August 2017

To be held at the Fickling Convention Centre – Lynfield Room  
Commencing at 7pm and concluding 9pm

## AGENDA

- **WELCOME**  
Circulation of the Attendance Register
- **APOLOGIES**
- **CONFIRMATION OF PREVIOUS MINUTES**
- **MATTERS ARISING OF THE PREVIOUS SLG MINUTES**  
Review of the actions from the previous meeting. A summary is attached to this agenda.
- **PUBLIC FORUM**
- **SITE MONITORING AND QUARRY OPERATIONS REPORTS**  
An Executive Summary of the site monitoring and quarry operation reports are attached to this agenda. To review the full reports before the meeting, please visit 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 SLG Meeting documents.
- **FUTURE DEVELOPMENT**  
A Fletcher Residential Ltd representative will present on relevant future development matters for the proposed residential development of the quarry land, including the adjacent Special Housing Area.
- **GENERAL BUSINESS**
  - Trimming of area (130,000m<sup>2</sup>) which was raised at the Environment Court (from previous meeting)
  - Locations of where noise monitoring equipment could be stationed (from previous meeting)
- **CONFIRM DATE OF NEXT MEETING**

For more information about the SLG meetings visit <http://www.threekingsquarry.co.nz> > Click on the “Community Liaison” tab > then click on the “SLG Minutes” tab for a list of current and previous SLG Meeting documents.

Please direct any enquiries, agenda items and/or apologies to Andrea Cave, GBCWinstone Environmental Manager, phone 027 210 8679 or email [andrea.cave@gbcwinstone.co.nz](mailto:andrea.cave@gbcwinstone.co.nz)

## SUMMARY OF ACTIONS FROM PREVIOUS MEETING HELD ON 29<sup>TH</sup> MAY 2017

- **Action 1:** A. Cave to investigate/discuss with Fletcher Living potential future blasting and report back to the next meeting
- **Action 2:** A. Klein to add discussion topics to next meeting agenda which were raised by Prof Bellamy at previous meeting. 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
- **Action 3:** A. Cave to ask N. Giraldo what the Local Board is going to do regarding local car parking when the area is under construction.

## EXECUTIVE SUMMARY: MONITORING REPORT AND QUARRY OPERATIONS REPORT

### MONITORING REPORT

- **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 6 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 & EC probes were installed at the Three Kings Quarry pumping bore in August 2015. The pH & 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 meter as a 24 hour average. No air quality triggers have been recorded since the last SLG meeting.

- **Noise Monitoring** – 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 the 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 SLG Meeting documents.*

## **QUARRY AND FILL OPERATIONS REPORT**

- **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 6 months.
- **Pest Control** – Possum traps and rat bait stations continue to be checked and baited. One possum has been 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 are less than trigger limits.