



Karuah East Quarry – Community Consultative Committee

Site Inspection Record – 4 March 2019

Venue: Karuah East Quarry

Time: Start 3.00pm
End 4.00pm

Attendees: Michael Ulph (Chairperson), Matthew Bell (Mid Coast Council), Wade Cameron (Community Representative), Goetz Schraer (Community Representative), Greg Dressler (Karuah East Quarry), Tim Grugeon (Karuah East Quarry) and Mat Radnidge (ADW Johnson).

Apologies: Tony Ebben (Community Representative)

Record of Site Inspection

- All CCC members met at the Karuah East Quarry office at 3pm.
- Greg Dressler and Tim Grugeon transported the CCC members in two vehicles to the Crushing Plant (Lot 13 DP 1024564). At the crushing plant all CCC members exited the vehicles and inspected (1) the enclosure containing the secondary and tertiary cone crushers; and (2) the primary jaw crusher (construction of its enclosure underway).
- CCC members were returned to the Karuah East Quarry office at 4pm.

Record of Matters Discussed During Site Inspection

- Greg Dressler provided an update on the status of construction, in particular the implementation of noise mitigation measures. This included:
 - The use of 'hush clad' material within the northern and eastern walls of the building enclosure that contains the secondary and tertiary cone crushers. Greg showed the CCC members an off cut of the 'hush clad' material.
 - The use of concrete pre cast panels as walls surrounding the primary jaw crusher with the use of 'hush clad' material on the roof. It was anticipated that construction of this enclosure would be undertaken over the next fortnight.

Greg advised that the acoustic measures were recommended by Thearle Engineering, an acoustic expert that has been commissioned to assist KEQ Pty Ltd to address noise mitigation during detailed plant design. Greg advised that the Acoustic Assessment that was originally approved as part of the Karuah East Quarry approval was based on background investigations conducted in 2012 as well as a number of assumptions. The Thearle Acoustic Assessment is being completed based on current background data as well as actual plant and equipment detail and site operation. It is considered that this will be a better outcome for all stakeholders.

- Greg Dressler outlined other construction matters including:
 - Air quality measures were in place including a polyline sprinkler system to control dust. Greg also outlined the Polo Citrus product that would be used at the crushers to control dust.
 - All construction has been in accordance with structural engineering design.
 - Mechanical work is largely complete.
 - There is no reticulated power supply available, which is likely a few years away. Accordingly 55,000L of diesel storage is provided, which will power a generator system comprised of two (2) 1,500kva generators (ie. total 3,000kva). Greg identified these items to the CCC members (located north of the secondary & cone crusher enclosure). Greg indicated that 55,000L of diesel is approximately a 2 week supply.
 - Electrical work is largely complete.
 - It is anticipated that within the next few weeks a dry commissioning will be undertaken. This is essentially a 'test run' to ensure all equipment is working in synchronisation. This will be approximately a 2 week process. Following this, rock will slowly be introduced into the process.
- Greg Dressler & Tim Grugeon provided a summary explanation of the quarrying process including:
 1. Quarried rock is transported from the pit and fed through the primary jaw crusher;
 2. The rock is then conveyed to the secondary and tertiary cone crushers where the rock is crushed to 25mm;
 3. The rock is then fed into the screening plant where various rock sizes are achieved (ie. 7mm, 10mm, 12mm, etc); and
 4. Rock is then stockpiled for sale.

Questions from CCC members were as follows:

- Michael Ulph – Is the screening plant steel? Greg Dressler confirmed it is galvanised steel.
- The above explanation on the quarrying process answered a question from Goetz Schraer regarding the various rock sizes produced by the screening plant.
- The above explanation on dust mitigation answered a question from Wade Cameron about how dust would be controlled.
- Wade Cameron – Are there any openings around the primary jaw crusher? Greg Dressler confirmed that there was an opening, which was essential for maintenance. The opening will be a door that is acoustically treated. The only other opening faces to the west (back towards the existing quarry). This is essential for loading rock into the primary crusher.
- Wade Cameron – What protection do workers have when in the jaw crushing enclosure? Greg Dressler indicated that only periodic inspections will occur in the jaw crusher enclosure. Due to its nature, inside the enclosure will be very noisy and dusty. Accordingly full Personal Protective Equipment is necessary including ear muffs and respiratory protection.
- Wade Cameron – Are there similar quarry plants in the locality. Greg Dressler confirmed yes but to his knowledge no other plants have incorporated the level of acoustic mitigation measures that has been implemented at Karuah East. Greg also noted that by enclosing the crushers, dust will also be very well controlled.

End of Site Inspection Discussions