



May Patterson  
Team Leader  
Resource Assessments  
320 Pitt Street  
GPO Box  
SYDNEY NSW 2001

Dear Ms Patterson

**RE: Sutton Forest Quarry Project – SSD 6634**

Please find comments below from South Western Sydney Local Health District (SWSLHD).

Sutton Forest Quarries Pty Ltd proposes to extract and process sand from within approximately 174ha of privately owned land which is located west of the Hume Highway, 1.7km southwest of the Sallys Corner Interchange and 12km west-southwest of Sutton Forrest. The proposed 30-45 year project will, if approved, yield approximately 29 million tonnes of high quality sand products. Extraction operations would involve ripping, pushing, loading and haulage of friable sandstone (between 5.00am and 10.00pm), with blasting of some areas (9.00am to 5.00pm). Access to and from the area would be from the Hume Highway via a proposed interchange and 1.4km access road.

The main issues in the submitted Environmental Impact Statement (EIS) identified by the SWSLHD are air pollution, noise pollution, and water quality.

**Air pollution**

Meteorological and air quality monitoring was established on the site to determine the baseline air quality environment for the proposal. The material to be excavated has an inherent moisture content of approximately 10% that would minimise the dust-generating potential of the activities. Best practice mitigation measures have been recommended.

Dust deposition data are available for the period November 2013 to August 2014 and High Volume Air Sampler (HVAS) data are available from November 2013 to January 2015 and are slightly dated. However, the modelling results indicate that under the assessed conditions, the quarry is likely to comply with the air quality criteria for the relevant averaging periods for TSP, PM10, PM2.5, and dust deposition; i.e. it is unlikely to exceed the EPA assessment criteria of 50µg/m3 (PM10) or 25µg/m3 (PM2.5). In this section, assessments and modelling have reported emissions level below EPA limits.

There are 33 sensitive receptors (location where people are likely to work or reside), that were assessed as part of this study. The bulk of the receptors are residences located on either rural lifestyle blocks or rural properties. The nearby monastery run by the Pauline Fathers is frequently used for both indoor and outdoor religious services. The property is open to the

South Western Sydney Local Health District acknowledges the traditional owners of the land.

public on a daily basis with regular masses held in either English or Polish. Major mass services attract large crowds (in excess of 3 000 people) to the monastery. There is no indication of specific measures that will be taken to protect users of the monastery from emissions. Under section 5.3.2, dust deposit measured at DG3 (The Monastery) in August 2014, had a monthly average of 7.3 g/m<sup>2</sup>/month. While this was said to be a contaminated reading, it must be considered that there is potential for excessive emissions at this location.

We recommend ongoing monitoring at the Monastery site and adequate mitigation to protect users and residents at this site.

### **Noise**

The proposed quarry will have a significant impact on the closest residences which have been identified. Mitigating strategies to reduce noise is the erection of barriers which may not be to the affected residents' preference.

We recommend that the proposed noise monitoring program planned for the first two years of operation to confirm the prediction and ensure ongoing compliance with relevant noise criteria is made a condition of consent.

### **Water quality**

A Water Management Plan and Ground water monitoring program is proposal to establish background quality of ground water in the aquifer before site works commence.

We recommend that monitoring is sufficient to be representative to capture the potential impact on the environment and licensed bores. Given the proposal has a predicted life of 30 years, the water management plan and ground water monitoring program need to robust and adequately resourced.

I trust these comments are of use. Please contact Dr Naru Pal, Director Public Health Unit on 8778 0820 if you require any clarification.

Kind Regards



Stephen Conaty  
Director Population Health

Date: 21/6/18