



Jondaryan Rail Loading Facility Air Quality Monitoring Results

Issue Month: November 2016

New Acland Coal Pty Ltd (NAC) undertakes air quality monitoring as part of the environmental monitoring program for the Jondaryan Rail Loading Facility (JRLF). The following air quality data is provided to the Jondaryan community.

Table 1: Dust deposition and compositional monitoring results for the period: October 2016

Table with 6 columns: Site, Dust Deposition (mg/m²/day), EA Criteria (mg/m³/day), Compositional Analysis* (Major, Minor, Trace), and Comments. Rows include sites JD1 through JD5 with their respective dust levels and compositions.

+ A semi-qualitative visual analysis of a representative portion of the collected sample which is as consistent as possible (however potentially biased) to that of the complete sample

* Copper sludge is a by product of the necessary preservative (copper sulphate) in sample containers as directed by the laboratory

* Polysaccharide slime is a by product of the bio-degradation of insects and vegetation

When measured at a sensitive place, the allowable maximum level of the release of dust from the JRLF is 120 milligrams per square metre per day (120mg/m²/day) as stated in the JRLF's Environmental Authority (EA). The dust deposition monitors do not distinguish between dust sources. The predominant wind directions for October 2016 were from the south-east (18.27%), east (17.93%), west (14.81%), north-west (14.49%) and north-east (10.13%).

Table 2: Quarterly PM10 monitoring result for the period 1-2 June 2016

Table with 5 columns: Location, 24 Hour PM10 Result (µg/m³), Long-Term PM10 Average (µg/m³), NEPM Criteria for 24 Hour PM10 exposure (µg/m³), and Comments. Location: Corner of Lagoon and Earl Streets, Jondaryan.

* Taken from monitoring report, with respect to most recent result

PM10 monitoring is undertaken on a quarterly basis for a nominal 24 hour period.

The national 24-hour exposure standard for PM10 particulates stated in the National Environment Protection Measure for Ambient Air Quality is 50 micrograms per cubic metre (50µg/m³). The PM10 monitors do not distinguish between particulate matter sources.

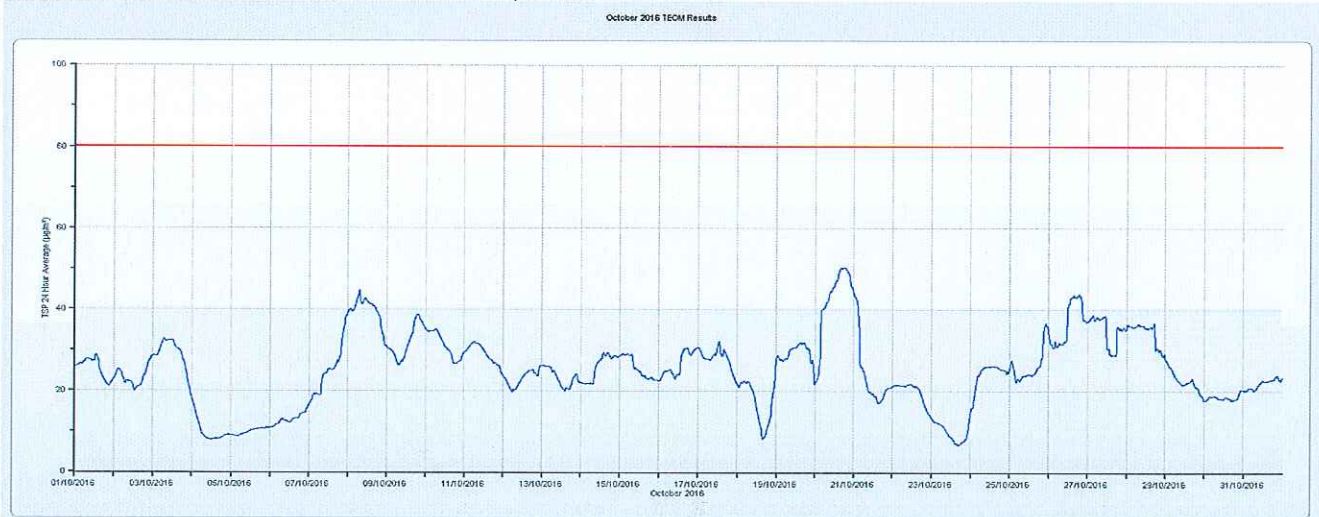


Figure 1: Jondaryan Township TSP continuous monitoring results for the period: October 2016

Comments: A TEOM located within the Jondaryan Township continuously measures Total Suspended Particulate (TSP) matter. When measured at a sensitive place, the maximum level of the release of TSP from the JRLF (24-hour average) is 80 micrograms per cubic metre (80µg/m³) as stated in the JRLF's EA. The TEOM's do not distinguish between particulate matter sources.

If there are any queries regarding the air quality monitoring undertaken for the Jondaryan Rail Loading Facility please contact Rob Rashleigh at the New Acland Coal Mine during business hours on 4694 8888.

Issued by: Robert Rashleigh, CHPP Manager – Coal Operations, New Acland Coal Pty Ltd

Signature of Rob Rashleigh and Date: 23/11/2016