

Table 1: Dust deposition and compositional monitoring results for the period: June 2013

Site	Dust Deposition (mg/m ² /day)	DA Criteria (mg/m ² /day)	Compositional Analysis			Comments
			Major	Minor	Trace	
JD1	16.7	120	Coal (40%), Mineral Material (30%)	Vegetation (15%), Insects (15%)	NA	Rail and Highway to the north. Subtle paddock to north east. JRLF to east. Grass and Crop paddocks to south east. Residential to north, and west. Road with unsealed edges immediately north.
JD2	36.7	120	Coal (65%)	Mineral Material (15%), Vegetation (10%), Insects (10%)	NA	Rail and Highway to north. JRLF to east. Paddocks to the east. Residential to south and west. Road with unsealed edges immediately east.
JD3	33.3	120	Coal (40%), Vegetation (30%)	Mineral Material (15%), Insects (10%), Polysaccharide Slime (5%)	NA	Highway and rail to north. JRLF to east. Residential surrounding. Road with unsealed edges immediately east and south. Paddocks to the west.
JD4	40	120	Coal (55%)	Mineral Material (15%), Vegetation (10%), Insects (10%), Polysaccharide Slime (10%)	NA	Crop paddock surrounding. Residential to west. Rail, Highway and Jondaryan town to south. JRLF to east.
JD5	13.3	120	Coal (50%), Vegetation (25%)	Insects (15%), Mineral Material (10%)	NA	Rail and highway immediately north. JRLF to east. Grass paddocks and residential to east, south and west.

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 Development Approval (DA). The dust deposition monitors do not distinguish between dust sources. The predominant wind directions for June were from the east (~17%), south west (~15%) and south east (~13%). The predominant wind speed for June was light winds.

Table 2: Quarterly PM₁₀ monitoring result for the period 18-19 July 2013

Location	24 Hour PM ₁₀ Result (µg/m ³)	Long-Term PM ₁₀ Average (µg/m ³)	NEM Criteria for 24 Hour PM ₁₀ exposure (µg/m ³)	Comments
Corner of Lagoon and Earl Streets, Jondaryan	8	24	50	Site... is located ~1 km west-north-west from the JRLF. Site was not downwind of the JRLF for the sampling period. Winds were light.

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.

June 2013 TEOM Results

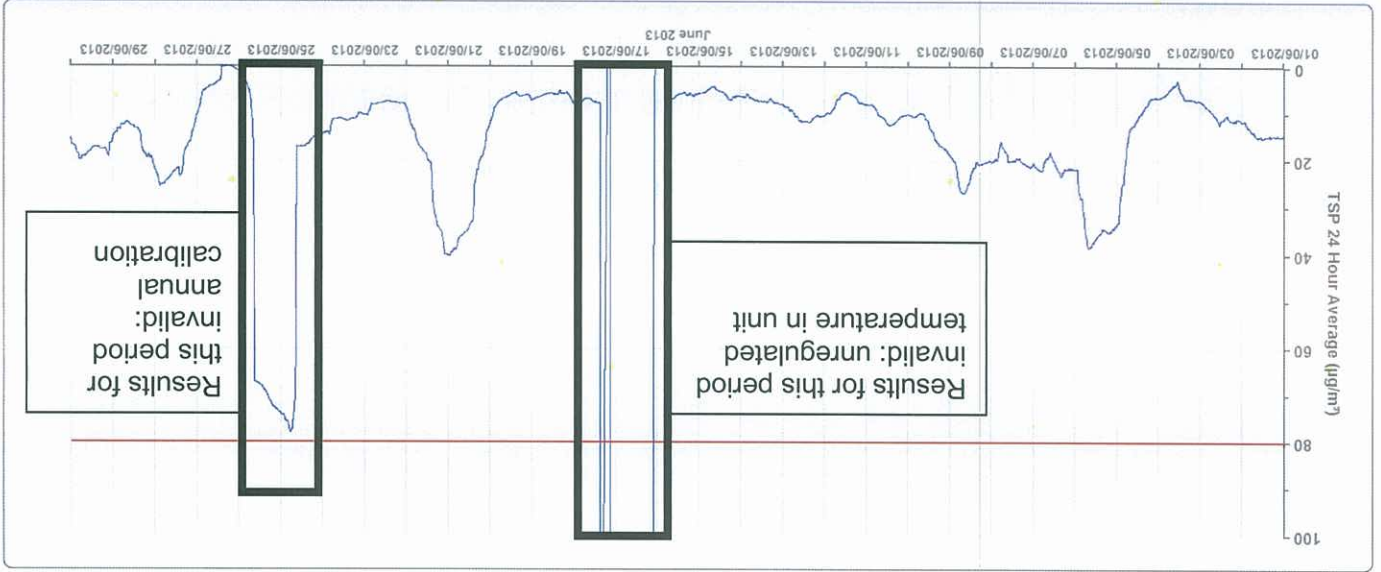


Figure 1: Jondaryan Township TSP continuous monitoring results for the period: June 2013

Comments: The predominant wind directions for June were from the east (~17%), south west (~15%) and south east (~13%). The predominant wind speed for June was light winds. The TEOM unit was operational for >99% of the sample period. 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 DA. The TEOM's do not distinguish between particulate matter sources. During June a period of high temperatures was recorded in the monitoring unit which resulted in inaccurate data. NAC has created an alarm to notify staff if temperature is outside manufacturer's specifications to prevent this happening again. 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:

Rob Rashleigh

CHP Superintendent
New Acland Coal Pty Ltd

Date: 22/8/2013