

Sunnyside Coal Mine Community Consultative Committee Meeting #21

Environmental Monitoring Report November 2015 – November 2016

Noise Monitoring

Operational noise monitoring has not been carried out since the mine was placed into care and maintenance.

Air Quality Monitoring

Deposited Dust

Deposited dust levels for the site since the last meeting are as follows:

Month	SD1 Ferndale	SD3 Plainview	SD4 Lilydale	SD5 Ivanhoe	SD6 Illili	SD7 Innisvale	SD8 Woodlawn
November 2015	1	1.5	0.7	2.7	3.3	0.5	1.3
December 2015	2.2	2.3	1.4	3.5	1.5	0.5	1.2
January 2016	0.4	2	1.7	2.3	4.7	0.3	0.9
February 2016	0.5	2.5	2.4	1.5	0.4	1.4	2.2
March 2016	0.6	0.5	1	2.3	2.1	0.6	1.2
April 2016	0.9	5.6	4.1	1.9	0.9	0.7	3
May 2016	0.5	2.1	0.7	0.9	0.4	0.8	2.1
June 2016	0.3	1	3.2	5.4	0.3	0.7	0.5
July 2016	1.3	0.3	0.2	2	0.2	0.5	0.2
August 2016	0.2	0.1	0.2	0.3	0.3	0.4	0.3
September 2016	0.3	0.7	0.5	0.4	2.5	0.4	0.2
October 2016	0.2	0.4	0.4	<0.1	0.3	0.3	0.7
November 2016	0.5	0.5	0.8	<0.1	3.7	0.5	<0.1
Annual Average	0.7	1.5	1.3	1.2	1.6	0.6	1.1

Dust levels have remained compliant since the last meeting and the annual averages remain below the criteria of 4g/m²/month.

PM₁₀ Data

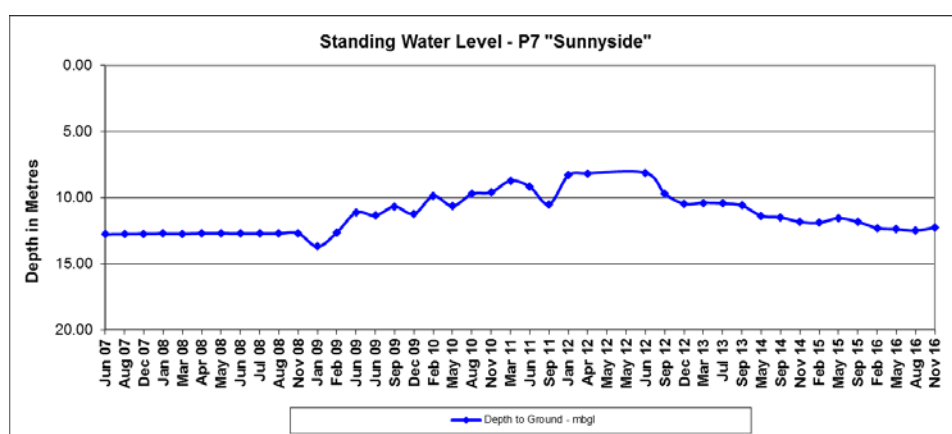
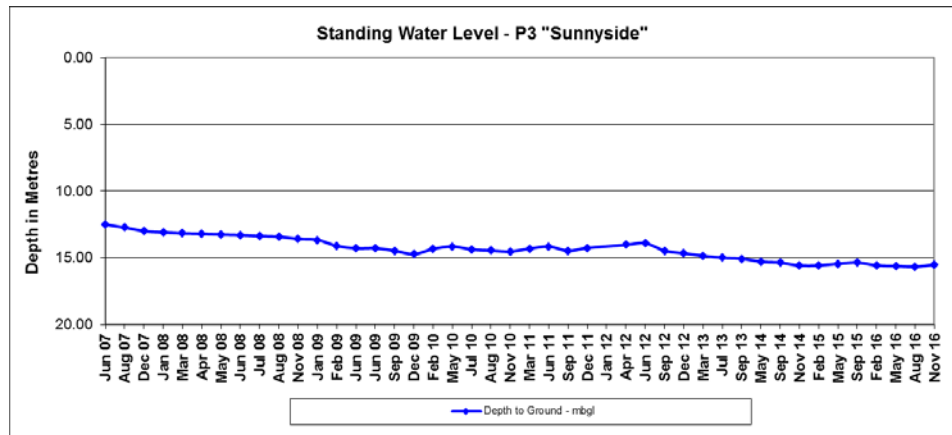
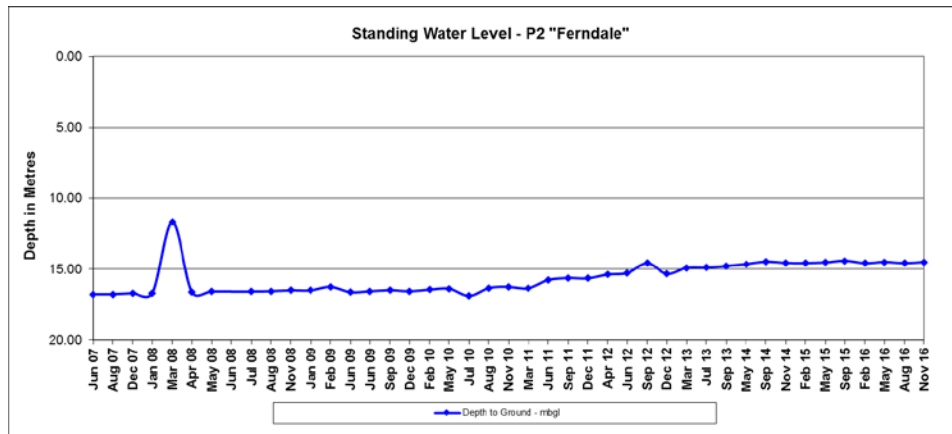
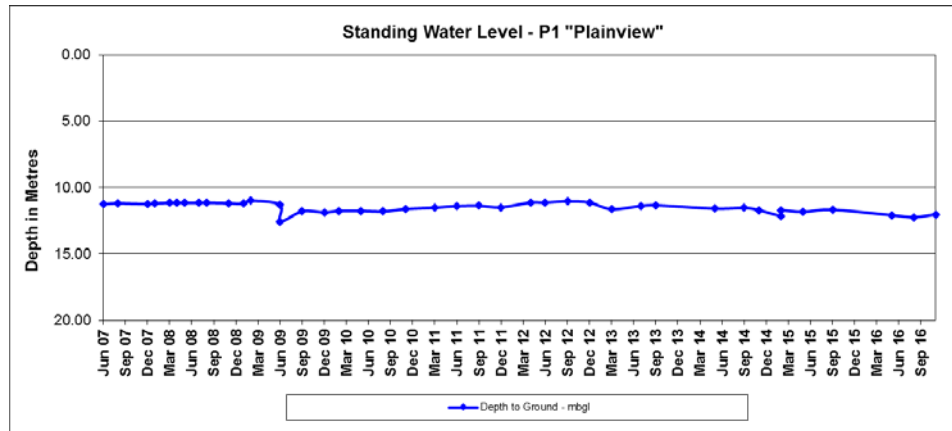
Compliance with the 24hr criterion of 50µg/m³ has been maintained during the reporting period.

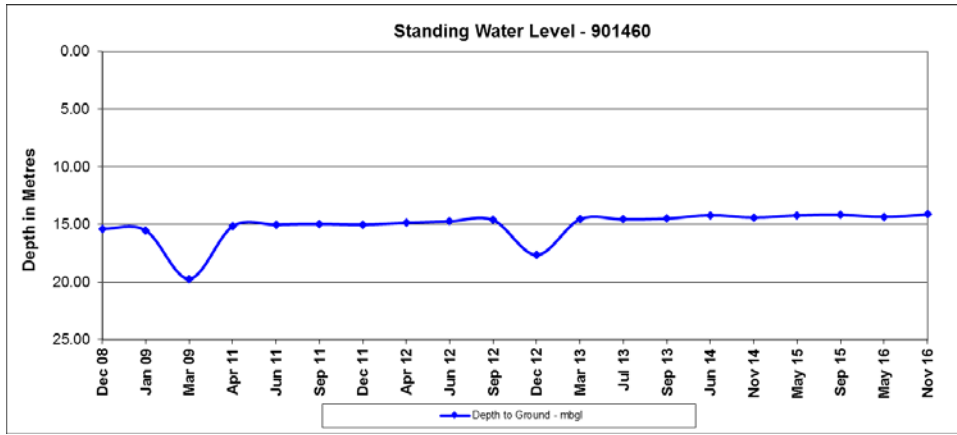
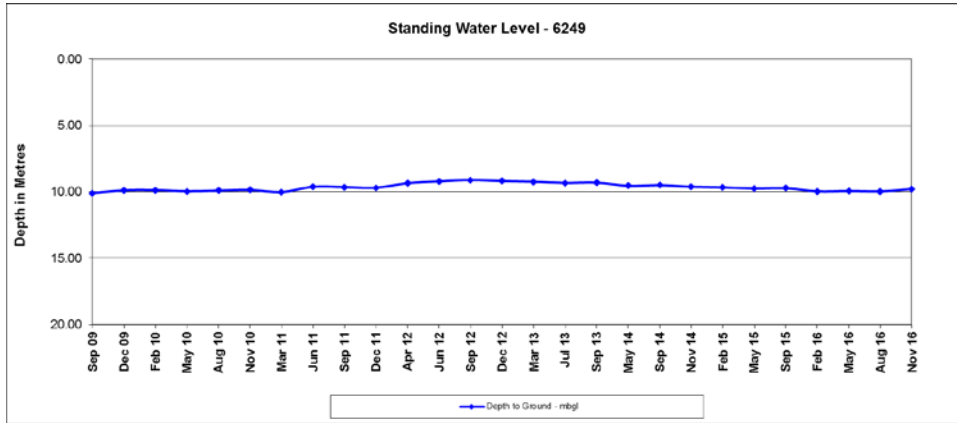
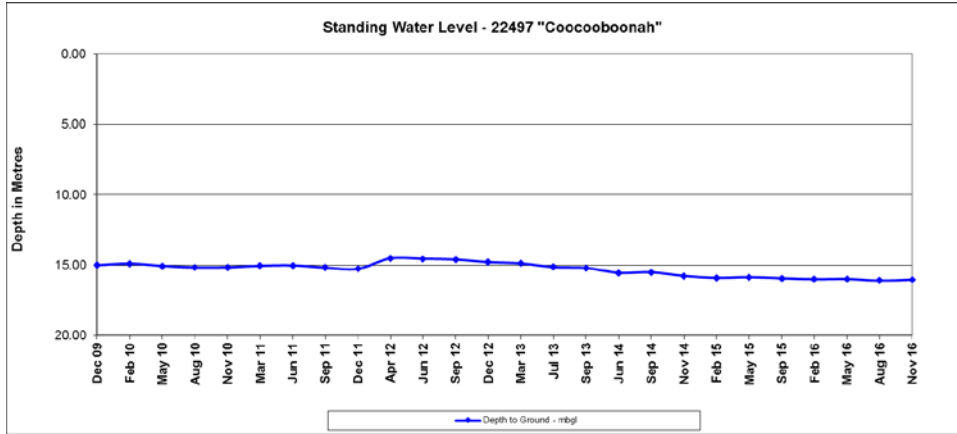
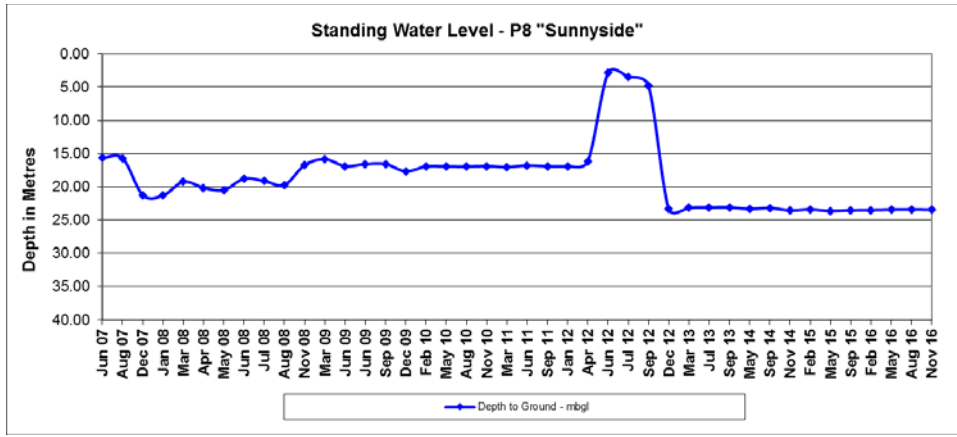
PM₁₀ measurements taken for the “Illili” High Volume Air Sampler (HVAS) are returning a running annual average of 12.74µg/m³, which is well below the annual average limit of 30µg/m³.

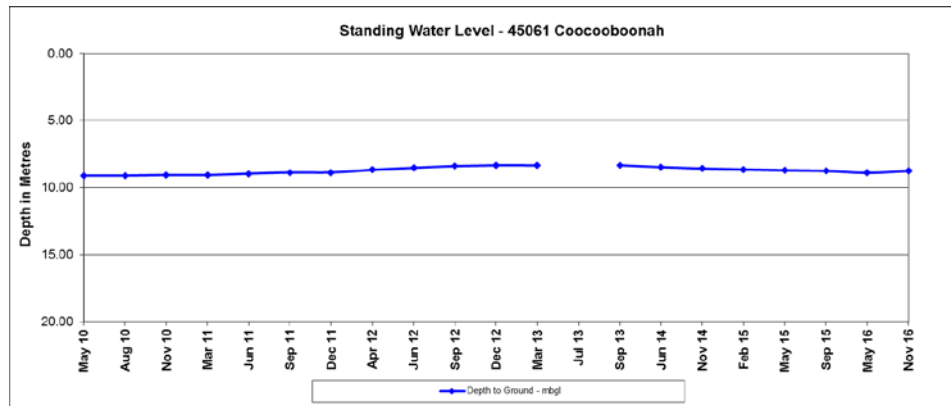
Groundwater Monitoring

Groundwater monitoring is undertaken from a range of monitoring piezometers and water bores both within and surrounding the mine site. Standing Water Level (SWL) checks are undertaken on a quarterly

basis, with full water quality sampling undertaken on a 6 monthly basis. Standing water levels have remained relatively consistent since the last meeting at all monitoring locations.







Surface Water

Surface water sampling of storages onsite continues to be carried out on a quarterly basis. Results since the last meeting indicate consistent water quality, with the exception total suspended solids that have fluctuated as a result of water levels being low and/or flushes of runoff water following rainfall.

No wet weather discharges occurred during the period.

Complaints

No complaints have been received since the last meeting.

Approvals

A Care and Maintenance MOP was submitted in April 2016, and approved on the 3rd May 2016.

Rehabilitation

No further rehabilitation has been undertaken at the site since the last meeting.

Independent Environmental Audit

As required by the Project Approval, the site has recently undertaken a 3 yearly Independent Environmental Audit. The audit report and Whitehaven’s action plan to address any non-compliances will be submitted to DP&E in December. The audit report will be made publically available, via the Whitehaven website, following approval by DP&E.