

# WEST WALLSEND UNDERGROUND

GLENCORE

## EPL 1360 Oceanic Coal Australia Pty Limited The Broadway Killingworth NSW 2278

<http://app.epa.nsw.gov.au/prpoeoapp/SearchResult.aspx?SearchTag=licence&searchrange=licence&range=licence>



February 2020

Monthly Monitoring Data



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## Depositional Dust

**Table 1: Depositional Dust Monitoring Results for EPA Points 4-10.**

Sampling Method: Australian Standard 3580.10.1-2003

Sampling Frequency: Monthly Continuous

Site	Sample Date	Recieved Date	Deposited Matter (g/m <sup>2</sup> )	Annual Average (g/m <sup>2</sup> )	Ash Residue (g/m <sup>2</sup> )	Published Date
EPA Point 4	7/02/2020	6/03/2020	3.2	2.7	2.3	9/03/2020
EPA Point 5	7/02/2020	6/03/2020	4.0	3.0	3.1	9/03/2020
EPA Point 6	7/02/2020	6/03/2020	2.9	2.6	2.3	9/03/2020
EPA Point 7	7/02/2020	6/03/2020	2.8	2.5	2.2	9/03/2020
EPA Point 8	7/02/2020	6/03/2020	4.2	3.2	3.4	9/03/2020
EPA Point 9	7/02/2020	6/03/2020	3.9	3.3	2.9	9/03/2020
EPA Point 10	7/02/2020	6/03/2020	3.8	3.0	2.9	9/03/2020

*c - contaminated with insects*

*\* - not sampled*

## Noise Monitoring

Quarterly noise monitoring results can be found on the West Wallsend Underground website:

<http://www.westwallsendmine.com.au/en/Publications/Pages/environmental-monitoring-data.aspx>

## Contact Details

For further information or any other concerns in relation to West Wallsend Underground Operations please contact West Wallsend's Environment and Community Manager

Ben Clibborn on : (02) 49 412 163



## Water Quality & Discharge Volumes

**Table 2: Daily Surface Water Monitoring Results for EPA Point 1**

Sampling Method Water Quality: Grab Sample

Sampling Method Discharge Volume: Flow Meter

Sampling Frequency Water Quality: Weekly During Discharge

Sampling Frequency Discharge Volume: Continuous During Discharge - Special Method 1

Date Sampled	Conductivity µs/cm	pH	TSS mg/L	Oil & Grease mg/L	Volume kL	Discharge Limit (kL) / Day
1/02/20	-	-	-	-	0	6000
2/02/20	-	-	-	-	0	6000
3/02/20	-	-	-	-	0	6000
4/02/20	-	-	-	-	0	6000
5/02/20	-	-	-	-	0	6000
6/02/20	-	-	-	-	0	6000
7/02/20	-	-	-	-	0	6000
8/02/20	-	-	-	-	0	6000
9/02/20	-	-	-	-	0	6000
10/02/20	877	8.0	562*	<10	1424.8	6000
11/02/20	-	-	-	-	2665.3	6000
12/02/20	-	-	-	-	2458.4	6000
13/02/20	-	-	-	-	2103.8	6000
14/02/20	-	-	-	-	1874.9	6000
15/02/20	-	-	-	-	1657.3	6000
16/02/20	-	-	-	-	1026.7	6000
17/02/20	1080	7.8	554*	14.0	820.3	6000
18/02/20	-	-	-	-	820.3	6000
19/02/20	-	-	-	-	0	6000
20/02/20	-	-	-	-	0	6000
21/02/20	-	-	-	-	0	6000
22/02/20	-	-	-	-	0	6000
23/02/20	-	-	-	-	0	6000
24/02/20	-	-	-	-	0	6000
25/02/20	-	-	-	-	0	6000
26/02/20	-	-	-	-	0	6000
27/02/20	-	-	-	-	0	6000
28/02/20	-	-	-	-	0	6000
29/02/20	-	-	-	-	0	6000

\* Exemption applied

- No discharge

Parameter	EPL Limit	Received Date	Published Date
pH	6.5 - 9.0		
TSS (mg/L)	50	17/02/2020	9/03/2020



Date	As (Total) ug/L	B ug/L	Cd (Total) ug/L	Cr (Total) ug/L	Cu (Total) ug/L	Pb (Total) ug/L	Hg (Total) ug/L	Mo (Total) ug/L	Ni (Total) ug/L	Se (Total) ug/L	Zn (Total) ug/L
1/02/20	-	-	-	-	-	-	-	-	-	-	-
2/02/20	-	-	-	-	-	-	-	-	-	-	-
3/02/20	-	-	-	-	-	-	-	-	-	-	-
4/02/20	-	-	-	-	-	-	-	-	-	-	-
5/02/20	-	-	-	-	-	-	-	-	-	-	-
6/02/20	-	-	-	-	-	-	-	-	-	-	-
7/02/20	-	-	-	-	-	-	-	-	-	-	-
8/02/20	-	-	-	-	-	-	-	-	-	-	-
9/02/20	-	-	-	-	-	-	-	-	-	-	-
10/02/20	0.013	0.05	<0.0002	0.007	0.018	0.015	<0.0001	<0.005	0.009	0.002	1.3
11/02/20	-	-	-	-	-	-	-	-	-	-	-
12/02/20	-	-	-	-	-	-	-	-	-	-	-
13/02/20	-	-	-	-	-	-	-	-	-	-	-
14/02/20	-	-	-	-	-	-	-	-	-	-	-
15/02/20	-	-	-	-	-	-	-	-	-	-	-
16/02/20	-	-	-	-	-	-	-	-	-	-	-
17/02/20	0.015	0.07	<0.0002	0.009	0.02	0.023	<0.0001	0.005	0.01	0.003	0.96
18/02/20	-	-	-	-	-	-	-	-	-	-	-
19/02/20	-	-	-	-	-	-	-	-	-	-	-
20/02/20	-	-	-	-	-	-	-	-	-	-	-
21/02/20	-	-	-	-	-	-	-	-	-	-	-
22/02/20	-	-	-	-	-	-	-	-	-	-	-
23/02/20	-	-	-	-	-	-	-	-	-	-	-
24/02/20	-	-	-	-	-	-	-	-	-	-	-
25/02/20	-	-	-	-	-	-	-	-	-	-	-
26/02/20	-	-	-	-	-	-	-	-	-	-	-
27/02/20	-	-	-	-	-	-	-	-	-	-	-
28/02/20	-	-	-	-	-	-	-	-	-	-	-
29/02/20	-	-	-	-	-	-	-	-	-	-	-

- No discharge

Received Date	Published Date
21/02/2020	9/03/2020





## Water Quality & Discharge Volumes

**Table 3: Surface Water Monitoring Results for EPA Point 2**

Sampling Method Water Quality: Grab Sample

Sampling Method Discharge Volume: Flow Meter

Sampling Frequency Water Quality: Once a Month During Discharge

Sampling Frequency Discharge Volume: Continuous During Discharge - Special Method 1

Date Sampled	Conductivity µs/cm	pH	TSS mg/L	Volume kL	Limit (kL) / Day
1/02/20	-	-	-	0.0	4000
2/02/20	-	-	-	0.0	4000
3/02/20	-	-	-	0.0	4000
4/02/20	-	-	-	0.0	4000
5/02/20	-	-	-	0.0	4000
6/02/20	-	-	-	0.0	4000
7/02/20	-	-	-	0.0	4000
8/02/20	-	-	-	0.0	4000
9/02/20	-	-	-	0.0	4000
10/02/20	-	-	-	0.0	4000
11/02/20	-	-	-	0.0	4000
12/02/20	-	-	-	0.0	4000
13/02/20	-	-	-	0.0	4000
14/02/20	349.0	7.2	21.0	0.0	4000
15/02/20	-	-	-	0.0	4000
16/02/20	-	-	-	0.0	4000
17/02/20	-	-	-	1067.2	4000
18/02/20	-	-	-	1009.7	4000
19/02/20	-	-	-	881.1	4000
20/02/20	-	-	-	473.4	4000
21/02/20	-	-	-	487.3	4000
22/02/20	-	-	-	67.5	4000
23/02/20	-	-	-	11.8	4000
24/02/20	-	-	-	5.9	4000
25/02/20	-	-	-	0.0	4000
26/02/20	-	-	-	0.0	4000
27/02/20	-	-	-	0.0	4000
28/02/20	-	-	-	0.0	4000
29/02/20	-	-	-	0.0	4000

- No discharge

Parameter	EPL Limit	Received Date	Published Date
Conductivity ( µs/cm)	10000		
pH	6.5 - 9.0		
TSS (mg/L)	50	14/02/2020	9/03/2020



