



# Wongawilli Colliery – Monthly Environmental Protection Licence Monitoring Summary

## Introduction

Wongawilli Colliery holds Environmental Protection Licence (EPL) 1087. EPL 1087 authorises 'Coal Works' and 'Mining for Coal' and applies to the following premises owned by Gujarat NRE;

- Lot 1 DP 44325, Lot 1 DP 255284, Lot 8 DP 255285, Lot 1 DP 321054, Lot 1 DP 383829, Part Lot 244 DP 751278, Part Lot 255 DP 751278, Part Lot 258 DP 751278

EPL 1087 identifies a number of monitoring points that are shown in Table 1.

Table 1: EPL 1087 Monitoring Points

EPA ID No.	Location	Type	Pollutant
1	Secondary Stabilisation Lagoon; STP Discharge	Discharge to waters; Discharge quality monitoring	BOD / Oil & Grease / pH / TSS / Flow
2	Minewater discharge at Transport Portal	Discharge to waters; Discharge quality monitoring	Oil & Grease / pH / TSS / Flow
3	Underflow from Filter Pond	Discharge to waters; Discharge quality monitoring	Oil & Grease / pH / TSS / Flow
4	Overflow from Filter Pond	Discharge to waters	No monitoring required
7	Junction at Forest 11 Portal – old portal	Discharge quality monitoring for mine water discharged by EPA ID No. 8	Flow
8	Hunter 2 Dam – old portal	Discharge to waters	Oil & Grease / pH / TSS
9	South Western Boundary	Dust Depositional Site	Ash / Combustible solids / Insoluble solids
10	Wongawilli Mine Bins	Dust Depositional Site	Ash / Combustible solids / Insoluble solids
11	Wongawilli Village (behind old school)	Dust Depositional Site	Ash / Combustible solids / Insoluble solids
12	Shone Ave	Dust Depositional Site	Ash / Combustible solids / Insoluble solids
13	West Dapto Rd/Bong Bong Rd	Dust Depositional Site	Ash / Combustible solids / Insoluble solids

This monitoring summary is provided as a requirement of the Protection of the Environment Operations Act 1997 (POEO Act).

## Monitoring Summary

EPA ID No. 1					
Month	BOD (mg/L)	Oil & Grease (mg/L)	pH	TSS (mg/L)	Flow (kL/day)
Jan-12	*	*	*	*	*
Feb-12	*	*	*	*	*
Mar-12	*	*	*	*	*
Apr-12	*	*	*	*	*
May-12	*	*	*	*	*
June-12	*	*	*	*	*
July-12	*	*	*	*	*
Aug-12	*	*	*	*	*
Sep-12	*	*	*	*	*
Oct-12	*	*	*	*	*
Nov-12	*	*	*	*	*
Dec-12	*	*	*	*	*
License Limit	20 mg/L	10 mg/L	6.5-8.5	50 mg/L	30

\* Water was not discharged via this point during the period.



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EPA ID No. 2				
Month	Oil & Grease (mg/L)	pH	TSS (mg/L)	Flow (kL/day)
Jan-12	*	*	*	*
Feb-12	*	*	*	*
Mar-12	*	*	*	*
Apr-12	*	*	*	*
May-12	*	*	*	*
June-12	*	*	*	*
July-12	*	*	*	*
Aug-12	*	*	*	*
Sep-12	*	*	*	*
Oct-12	*	*	*	*
Nov-12	*	*	*	*
Dec-12	*	*	*	*
License Limit	10 mg/L	6.5-8.5	50 mg/L	10000

\* Water was not discharged via this point during the period

EPA ID No. 3				
Month	Oil & Grease (mg/L)	pH	TSS (mg/L)	Flow (kL/day)
Jan-12	*	*	*	*
Feb-12	*	*	*	*
Mar-12	*	*	*	*
Apr-12	*	*	*	*
May-12	*	*	*	*
June-12	*	*	*	*
July-12	*	*	*	*
Aug-12	*	*	*	*
Sep-12	*	*	*	*
Oct-12	*	*	*	*
Nov-12	*	*	*	*
Dec-12	*	*	*	*

\* Water was not discharged via this point during the period. This discharge point has been capped.

EPA ID No. 4	
Month	Pollutant
Jan-12	*
Feb-12	*
Mar-12	*
Apr-12	*
May-12	*
June-12	*
July-12	*
Aug-12	*
Sep-12	*
Oct-12	*
Nov-12	*
Dec-12	*

\* No water quality monitoring is required at this point

EPA ID No. 7				
Month	Oil & Grease (mg/L)	pH	TSS (mg/L)	Flow (kL/day)
Jan-12	*	*	*	
Feb-12	*	*	*	
Mar-12	*	*	*	
Apr-12	*	*	*	



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May-12	*	*	*	
June-12	*	*	*	
July-12	*	*	*	
Aug-12	*	*	*	
Sep-12	*	*	*	
Oct-12	*	*	*	
Nov-12	*	*	*	
Dec-12	*	*	*	
License Limit	10 mg/L	6.5-8.5	50 mg/L	2500

\* Water was not discharged at this point during the period

EPA ID No. 8			
Month	Oil & Grease (mg/L)	pH	TSS (mg/L)
Jan-12	*	*	*
Feb-12	*	*	*
Mar-12	*	*	*
Apr-12	*	*	*
May-12	*	*	*
June-12	*	*	*
July-12	*	*	*
Aug-12	*	*	*
Sep-12	*	*	*
Oct-12	*	*	*
Nov-12	*	*	*
Dec-12	*	*	*
License Limit	10 mg/L	6.5-8.5	50 mg/L

\* Water was not discharged at this point during the period

EPA ID No. 9			
Month	Insoluble Solids (g/m <sup>2</sup> /month)	Ash (g/m <sup>2</sup> /month)	Combustible Solids (g/m <sup>2</sup> /month)
Jan-12	1.5	1.0	0.5
Feb-12	0.5	0.3	0.2
Mar-12	0.5	0.3	0.2
Apr-12	0.3	0.2	0.1
May-12	2.2	0.6	1.6
June-12	0.3	0.1	0.2
July-12	0.3	0.2	0.1
Aug-12	0.7	0.2	0.5
Sep-12	0.4	0.3	0.1
Oct-12	0.5	0.2	0.3
Nov-12	0.8	0.4	0.4
Dec-12	0.5	0.4	0.1

EPA ID No. 10			
Month	Insoluble Solids (g/m <sup>2</sup> /month)	Ash (g/m <sup>2</sup> /month)	Combustible Solids (g/m <sup>2</sup> /month)
Jan-12	1.0	0.5	0.5
Feb-12	0.3	0.3	<0.1
Mar-12	0.4	0.2	0.2
Apr-12	0.6	0.2	0.4
May-12	0.8	0.3	0.5
June-12	1.0	0.3	0.7
July-12	0.5	0.2	0.3
Aug-12	1.2	0.3	0.9
Sep-12	2.3	0.8	1.5
Oct-12	1.4	0.7	0.7
Nov-12	2.1	0.8	1.3
Dec-12	0.6	0.5	0.1



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EPA ID No. 11			
Month	Insoluble Solids (g/m <sup>2</sup> /month)	Ash (g/m <sup>2</sup> /month)	Combustible Solids (g/m <sup>2</sup> /month)
Jan-12	2.3	1	1.3
Feb-12	0.9	0.6	0.3
Mar-12	0.8	0.7	0.1
Apr-12	0.9	0.4	0.5
May-12	1.1	0.7	0.4
June-12	1.1	0.5	0.6
July-12	0.4	0.3	0.1
Aug-12	1.2	0.5	0.7
Sep-12	1.0	0.7	0.3
Oct-12	0.8	0.3	0.5
Nov-12	3.4	1.5	1.9
Dec-12	1.9	1.1	0.8

EPA ID No. 12			
Month	Insoluble Solids (g/m <sup>2</sup> /month)	Ash (g/m <sup>2</sup> /month)	Combustible Solids (g/m <sup>2</sup> /month)
Jan-12	1.2	0.5	0.7
Feb-12	0.2	0.2	<0.1
Mar-12	0.6	0.2	0.4
Apr-12	0.6	0.2	0.4
May-12	0.4	0.3	0.1
June-12	0.4	0.1	0.3
July-12	0.2	0.1	0.1
Aug-12	0.6	0.2	0.4
Sep-12	0.3	0.3	0.1
Oct-12	0.5	0.2	0.3
Nov-12	0.9	0.5	0.4
Dec-12	1.6	1.1	0.5

EPA ID No. 13			
Month	Insoluble Solids (g/m <sup>2</sup> /month)	Ash (g/m <sup>2</sup> /month)	Combustible Solids (g/m <sup>2</sup> /month)
Jan-12	0.9	0.6	0.3
Feb-12	2.4	0.9	1.5
Mar-12	0.6	0.4	0.2
Apr-12	1.1	0.5	0.6
May-12	0.5	0.3	0.2
June-12	0.9	0.3	0.6
July-12	0.7	0.6	0.1
Aug-12	1.0	0.5	0.5
Sep-12	0.8	0.3	0.5
Oct-12	1.4	0.7	0.7
Nov-12	6.1	1.6	4.5
Dec-12	2.0	1.3	0.7

\*Note EPA completed Desktop Audit of Requirements to Publish Pollution Monitoring Data on Website for NRE No.1 Colliery during 2012. This document will be altered for the January 2013 reporting data to reflect the required changes to satisfy EPA requirements.