

NRE WONGAWILLI COLLIERY MONTHLY MONITORING REPORT ENVIRONMENTAL PROTECTION LICENCE No: 1087



Publish Date: 22 January 2014

GLOSSARY OF TERMS AND ABBREVIATIONS

Abbreviations	
EPL	Environmental Protection Licence
KL/d	Kilolitres per day
mg/L	Milligrams per litre

Term	Definition
Dry Weather Conditions	'Dry Weather Conditions' means less than ten millimetres of rain falling within a 24 hour period and is measured at a point on the premises.
Wet Weather Conditions	'Wet Weather Conditions' means anything other than Dry Weather Conditions.

NRE WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS



Figure 1 - Licensed Monitoring and Discharge Points at Wongawilli

NRE WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS



Figure 2 - Licensed Discharge Point 2 at Wongawilli Pit-Top Area

NRE WONGAWILLI COLLIERY EPL MONITORING LOCATION POINTS



Figure 3 - Licensed Discharge Point 7 at Junction at Forest 11 Portal, Mt Kembla



GUJARAT NRE

WATER QUALITY MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Discharge Point No: 1

Location: Secondary Stabilisation Lagoon; STP Discharge

Monitoring Frequency: Monthly during discharge

Person Sampling: K. Lee/M. Costello/C. Irving/S. Cugalj

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

EPL 100 Percentile Concentration limits:

pH (pH units): 6.5 – 8.5

Total Suspended Solids (mg/L): 50

Oil & Grease (mg/L): 10

BOD (mg/L): 20

Date of Sampling	Date of results obtained	Date Published	Discharging?	Time	BOD (mg/L)	TSS (mg/L)	pH (pH Units)	Oil & Grease (mg/L)	Comments
January			No						*
February			No						*
March			No						*
April			No						*
May			No						*
June			No						*
July			No						*
August			No						*
September			No						*
October			No						*
November			No						*
December			No						*

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



GUJARAT NRE

WATER QUALITY MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Discharge Point No: 2

Location: Mine-water discharge at Transport Portal

Monitoring Frequency: Once a month

Person Sampling: K. Lee/M. Costello/C. Irving/S. Cugalj

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

EPL 100 Percentile Concentration limits:

pH (pH units): 6.5 – 8.5

Total Suspended Solids (mg/L): 50

Oil & Grease (mg/L): 10

Date of Sampling	Date of results obtained	Date Published	Discharging?	Time	TSS (mg/L)	pH (pH Units)	Oil & Grease (mg/L)	Comments
January			No					*
February			No					*
March			No					*
April			No					*
May			No					*
June			No					*
July			No					*
August			No					*
September			No					*
October			No					*
November			No					*
December			No					*

* Water was not discharged via this point during the period



GUJARAT NRE

WATER QUALITY MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Discharge Point No: 3

Location: Underflow from Filter Pond

Monitoring Frequency: Monthly during discharge

Person Sampling: K. Lee/M. Costello/C. Irving/S. Cugalj

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

EPL 100 Percentile Concentration limits:

pH (pH units): 6.5 – 8.5

Total Suspended Solids (mg/L): 50

Oil & Grease (mg/L): 10

Date of Sampling	Date of results obtained	Date Published	Discharging?	Time	TSS (mg/L)	pH (pH Units)	Oil & Grease (mg/L)	Comments
January			No					*
February			No					*
March			No					*
April			No					*
May			No					*
June			No					*
July			No					*
August			No					*
September			No					*
October			No					*
November			No					*
December			No					*

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



GUJARAT NRE

WATER QUALITY MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Discharge Point No: 7

Location: Junction at Forest 11 Portal – old portal

Monitoring Frequency: Monthly during discharge

Person Sampling: K. Lee/M. Costello/C. Irving/S. Cugalj

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

EPL 100 Percentile Concentration limits:

pH (pH units): 6.5 – 8.5

Total Suspended Solids (mg/L): 50

Oil & Grease (mg/L): 10

Date of Sampling	Date of results obtained	Date Published	Discharging?	Time	TSS (mg/L)	pH (pH Units)	Oil & Grease (mg/L)	Comments
January			No					*
February			No					*
March			No					*
April			No					*
May			No					*
June			No					*
July			No					*
August			No					*
September			No					*
October			No					*
November			No					*
December			No					*

* Water was not discharged at this point during the period

DUST MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Point No: 9

Location: South Western Boundary

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	05-02-13	14-02-13	0.4	0.3	0.7	
February	04-03-13	11-03-13	0.4	0.9	1.3	
March	04-12-13	13-12-13	0.2	0.1	0.3	
April	04-12-13	13-12-13	0.3	0.8	1.1	
May	29-07-13	29-07-13	0.1	0.1	0.2	
June	29-07-13	29-07-13	0.1	0.2	0.3	
July	16-08-13	29-08-13	0.1	0.1	0.2	
August	03-09-13	22-10-13	0.2	0.1	0.2	
September	02-10-13	22-10-13	0.2	0.3	0.5	
October	07-11-13	21-11-13	0.3	0.1	0.4	
November	04-12-13	19-12-13	0.4	0.4	0.8	
December	03-01-14	22-01-14	0.4	0.2	0.6	

DUST MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Point No: 10

Location: Wongawilli Mine Bins

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	05-02-13	14-02-13	0.7	0.5	1.2	
February	04-03-13	11-03-13	0.5	0.5	1.0	
March	04-12-13	13-12-13	0.5	0.3	0.8	
April	04-12-13	13-12-13	1.2	1.1	2.3	
May	29-07-13	29-07-13	0.4	0.5	0.9	
June	29-07-13	29-07-13	0.4	0.6	1.0	
July	16-08-13	29-08-13	0.5	1.4	1.9	
August	03-09-13	22-10-13	0.8	5.2	6.0	
September	02-10-13	22-10-13	0.3	0.8	1.1	
October	07-11-13	21-11-13	0.4	0.4	0.8	
November	04-12-13	19-12-13	0.4	0.4	0.8	
December	03-01-14	22-01-14	0.7	0.9	1.6	



GUJARAT NRE

DUST MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Point No: 11

Location: Wongawilli Village (behind old school)

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	05-02-13	14-02-13	0.8	3.2	4.0	
February	04-03-13	11-03-13	0.2	0.5	0.7	
March	04-12-13	13-12-13	0.3	0.1	0.4	
April	04-12-13	13-12-13	1.0	0.8	1.8	
May	29-07-13	29-07-13	0.2	0.1	0.3	
June	29-07-13	29-07-13	0.4	0.4	0.8	
July	16-08-13	29-08-13	0.2	0.2	0.4	
August	03-09-13	22-10-13	0.8	2.0	2.8	
September	02-10-13	22-10-13	0.2	0.2	0.4	
October	07-11-13	21-11-13	0.4	0.4	0.8	
November	04-12-13	19-12-13	4.3	7.7	12.0	
December	03-01-14	22-01-14	0.9	0.6	1.5	

DUST MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Point No: 12

Location: Shone Ave

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	05-02-13	14-02-13	0.5	0.3	0.8	
February	04-03-13	11-03-13	0.2	0.2	0.4	
March	04-12-13	13-12-13	0.3	0.2	0.5	
April	04-12-13	13-12-13	0.5	0.3	0.8	
May	29-07-13	29-07-13	0.2	<0.1	0.2	
June	29-07-13	29-07-13	0.2	0.5	0.7	
July	16-08-13	29-08-13	0.4	0.1	0.5	
August	03-09-13	22-10-13	0.8	0.6	1.4	
September	02-10-13	22-10-13	1.3	0.6	1.9	
October	07-11-13	21-11-13	0.8	0.8	1.6	
November	04-12-13	19-12-13	0.6	0.3	0.9	
December	03-01-14	22-01-14	1.5	1.8	3.3	

DUST MONITORING RESULTS

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Point No: 13

Location: West Dapto Rd/Bong Bong Rd

Monitoring Frequency: Monthly

Name of Testing Laboratory: ALS Laboratory Group

Nata Registered: Yes

MONTHLY RESULTS (g/m²/month)

Sample Period	Date of results obtained	Date Published	Ash	Combustible Solids	Insoluble Solids	Comments
January	05-02-13	14-02-13	1.3	1.2	2.5	
February	04-03-13	11-03-13	0.7	0.8	1.5	
March	04-12-13	13-12-13	0.4	0.2	0.6	
April	04-12-13	13-12-13	0.7	0.6	1.3	
May	29-07-13	29-07-13	0.3	0.2	0.5	
June	29-07-13	29-07-13	0.7	0.7	1.4	
July	16-08-13	29-08-13	0.2	0.2	0.4	
August	03-09-13	22-10-13	0.4	0.4	0.8	
September	02-10-13	22-10-13	0.3	0.1	0.4	
October	07-11-13	21-11-13	0.6	0.4	1.0	
November	04-12-13	19-12-13	0.4	0.4	0.8	
December	03-01-14	22-01-14	1.0	1.2	2.2	



GUJARAT NRE

LICENSED DISCHARGE VOLUMES

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Discharge Point No: 1

Location: Secondary Stabilisation Lagoon; STP Discharge

Type of Monitoring: Volume of liquid discharge

Monitoring Frequency: Continuous

EPL Volume and Mass limits: 30 kL/d*

Monitoring Period	Discharging?	Date Published	Average Flow (kL/d)	Max Flow (kL/d)	Comments
January	No				
February	No				
March	No				
April	No				
May	No				
June	No				
July	No				
August	No				
September	No				
October	No				
November	No				
December	No				

LICENSED DISCHARGE VOLUMES

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Discharge Point No: 2

Location: Mine-water discharge at Transport Portal

Type of Monitoring: Volume of liquid discharge

Monitoring Frequency: Continuous

EPL Volume and Mass limits: 10,000 kL/d*

Monitoring Period	Discharging?	Date Published	Average Flow (kL/d)	Max Flow (kL/d)	Comments
January	No				
February	No				
March	No				
April	No				
May	No				
June	No				
July	No				
August	No				
September	No				
October	No				
November	No				
December	No				

LICENSED DISCHARGE VOLUMES

Name of Licensee: Gujarat NRE Minerals Limited

Address of Premises: Jersey Farm Road, West Dapto, NSW 2530

Environmental Protection Licence No: 1087

Licensed Discharge Point No: 8

Location: Hunter 2 Dam – old portal

Type of Monitoring: Volume of liquid discharge

Monitoring Frequency: Continuous

EPL Volume and Mass limits: 2500 kL/d*

Monitoring Period	Discharging?	Date Published	Average Flow (kL/d)	Max Flow (kL/d)	Comments
January	No				
February	No				
March	No				
April	No				
May	No				
June	No				
July	No				
August	No				
September	No				
October	No				
November	No				
December	No				