

Environment Protection Licence Monitoring Data

Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Feb-20
 Monitoring Data for the Month: Jan-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B2460L	20/01/2020	20/01/2020	69	50	50	0.00	6.5 to 8.5	7.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2460L	21/01/2020	21/01/2020	69	19	50	0.00	6.5 to 8.5	7.3	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2470L	21/01/2020	21/01/2020	69	13	50	0.00	6.5 to 8.5	7.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B3080L	21/01/2020	21/01/2020	69	27	50	0.00	6.5 to 8.5	7.1	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2460L	22/01/2020	22/01/2020	69	66	50	0.00	6.5 to 8.5	7.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2740L	22/01/2020	22/01/2020	69	64	50	0.00	6.5 to 8.5	7.3	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	23/01/2020	23/01/2020	69	12	50	0.00	6.5 to 8.5	7.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B3080L	23/01/2020	23/01/2020	69	32	50	0.00	6.5 to 8.5	7.9	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2470L	24/01/2020	24/01/2020	69	45	50	0.00	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	24/01/2020	24/01/2020	69	53	50	0.00	6.5 to 8.5	7.9	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_01	24/01/2020	24/01/2020	69	32	50	0.00	6.5 to 8.5	7.9	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	24/01/2020	24/01/2020	69	20	50	0.00	6.5 to 8.5	7.8	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_01	30/01/2020	30/01/2020	69	39	50	0.00	6.5 to 8.5	8.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	30/01/2020	30/01/2020	69	34	50	0.00	6.5 to 8.5	7.9	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Environment Protection Licence Monitoring Data

Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Mar-20
 Monitoring Data for the Month: Feb-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B2460L	4/02/2020	4/02/2020	68.53	7.5	50	0.00	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2470L	19/02/2020	19/02/2020	68.53	10.2	50	0.00	6.5 to 8.5	7.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2740L	18/02/2020	18/02/2020	68.53	62.5	50	0.00	6.5 to 8.5	6.9	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2820L	19/02/2020	19/02/2020	68.53	54.1	50	0.00	6.5 to 8.5	8.1	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	18/02/2020	18/02/2020	68.53	33.5	50	0.00	6.5 to 8.5	7.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	19/02/2020	19/02/2020	68.53	32.3	50	0.00	6.5 to 8.5	7.1	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B3080L	18/02/2020	18/02/2020	68.53	26.3	50	0.00	6.5 to 8.5	6.9	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B3080L	19/02/2020	19/02/2020	68.53	24.7	50	0.00	6.5 to 8.5	7.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_01	19/02/2020	19/02/2020	68.53	7.2	50	0.00	6.5 to 8.5	8.3	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_01	20/02/2020	20/02/2020	68.53	19.8	50	0.00	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2460L	17/02/2020	17/02/2020	68.53	36.6	50	0.00	6.5 to 8.5	7.6	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	21/02/2020	21/02/2020	68.53	62.3	50	0.00	6.5 to 8.5	6.8	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

B_HAW_01	28/02/2020	28/02/2020	68.53	33	50	0.00	6.5 to 8.5	7.6	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_01	26/02/2020	26/02/2020	68.53	62.8	50	0.00	6.5 to 8.5	7.6	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B3080L	27/02/2020	27/02/2020	68.53	12.2	50	0.00	6.5 to 8.5	7.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	27/02/2020	27/02/2020	68.53	47	50	0.00	6.5 to 8.5	7.8	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2460L	29/02/2020	29/02/2020	68.53	67.1	50	0.00	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2470L	26/02/2020	26/02/2020	68.53	23.1	50	0.00	6.5 to 8.5	7.8	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L =	Milligrams per litre	N/A =	Not Applicable	NV =	None Visible	DNS =	Did Not Sample
NTU =	Nephelometric Turbidity Unit	ND =	No Discharge	V =	Visible	pH =	potential of Hydrogen

Environment Protection Licence Monitoring Data

Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Apr-20
 Monitoring Data for the Month: Mar-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B2820L	4/03/2020	4/03/2020	68.53	59	50	0	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	
B_HAW_02	5/03/2020	5/03/2020	68.53	48	50	0	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	
B_HAW_02	12/03/2020	12/03/2020	68.53	59	50	0	6.5 to 8.5	7.4	None visible	None Visible	Special Frequency 1	
B_HAW_01	12/03/2020	12/03/2020	68.53	40	50	0	6.5 to 8.5	7.7	None visible	None Visible	Special Frequency 1	
B2460L	12/03/2020	12/03/2020	68.53	10	50	0	6.5 to 8.5	8.3	None visible	None Visible	Special Frequency 1	
B2470L	12/03/2020	12/03/2020	68.53	10	50	0	6.5 to 8.5	6.6	None visible	None Visible	Special Frequency 1	
B_HAW_02	19/03/2020	19/03/2020	68.53	29	50	0	6.5 to 8.5	7.4	None visible	None Visible	Special Frequency 1	
B2930L	30/03/2020	30/03/2020	68.53	12	50	0	6.5 to 8.5	8.1	None visible	None Visible	Special Frequency 1	
B_HAW_01	31/03/2020	31/03/2020	68.53	8	50	0	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	
B_HAW_02	31/03/2020	31/03/2020	68.53	53	50	0	6.5 to 8.5	7.7	None visible	None Visible	Special Frequency 1	

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type:

Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dBL)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
1 Florida Red Road, Wells Crossing	05-Mar-20	05-Mar-20	10	0	125	0	NA	Did not trigger
Residence on Dinjeera Road (Lot 14 DP713871)	05-Mar-20	05-Mar-20	10	0	125	0	NA	Did not trigger
Residence on Dinjeera Road (Lot 14 DP713871)	05-Mar-20	05-Mar-20	10	0	125	0	NA	Did not trigger
5645 Pacific Highway, Wells Crossing	17-Mar-20	17-Mar-20	10	0	125	0	NA	Did not trigger
Residence on Dinjeera Road (Lot 14 DP713871)	26-Mar-20	26-Mar-20	10	0	125	0	NA	Did not trigger

Abbreviations:
 mm/s = millimeters per second NB = No Blasting
 dBL = decibel level

Environment Protection Licence Monitoring Data

Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-May-20
 Monitoring Data for the Month: Apr-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B2820L	1/04/2020	1/04/2020	68.5	5.9	50	0.00	6.5 to 8.5	8.1	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B2470L	2/04/2020	2/04/2020	68.5	21.1	50	0.00	6.5 to 8.5	8.1	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B2820L	3/04/2020	3/04/2020	68.5	54	50	0.00	6.5 to 8.5	8.3	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B2820L	6/04/2020	6/04/2020	68.5	5.9	50	0.00	6.5 to 8.5	7.0	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B2460L	7/04/2020	7/04/2020	68.5	2.5	50	0.00	6.5 to 8.5	8.3	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B3080L	7/04/2020	7/04/2020	68.5	32.8	50	0.00	6.5 to 8.5	8.1	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	7/04/2020	7/04/2020	68.5	47.4	50	0.00	6.5 to 8.5	7.3	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_01	14/04/2020	14/04/2020	68.5	52.1	50	0.00	6.5 to 8.5	7.7	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	14/04/2020	14/04/2020	68.5	33.9	50	0.00	6.5 to 8.5	7.7	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B2930L	15/04/2020	15/04/2020	68.5	3.6	50	0.00	6.5 to 8.5	8.2	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B2470L	15/04/2020	15/04/2020	68.5	18.7	50	0.00	6.5 to 8.5	8.2	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B2460L	16/04/2020	16/04/2020	68.5	0.6	50	0.00	6.5 to 8.5	8.3	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use

B2470L	16/04/2020	16/04/2020	68.5	8.4	50	0.00	6.5 to 8.5	8.4	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	29/04/2020	29/04/2020	68.5	35.5	50	0.00	6.5 to 8.5	8.0	None visible	NV	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type:

Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dBL)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
5645 Pacific Highway, Wells Crossing	02-Apr-20	02-Apr-20	10	0	125	0	NA	Did not trigger
1 Florda Red Road, Wells Crossing	02-Apr-20	02-Apr-20	10	0	125	0	NA	Did not trigger
Residence on Dinjeera Road (Lot 14 DP713871)	15-Apr-20	15-Apr-20	10	0.889	125	104.9	NA	

Abbreviations:

mm/s = millimeters per second NB = No Blasting
 dBL = decibel level

Environment Protection Licence Monitoring Data

Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Jun-20
 Monitoring Data for the Month: May-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B2740L	08-May-20	08-May-20	68.53	17.5	50	0	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2740L	12-May-20	12-May-20	68.53	16.5	50	0	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	12-May-20	12-May-20	68.53	43.4	50	0	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L = Milligrams per litre
 NTU = Nephelometric Turbidity Unit
 N/A = Not Applicable
 ND = No Discharge
 NV = None Visible
 V = Visible
 DNS = Did Not Sample
 pH = potential of Hydrogen

Monitoring Type: Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dB)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
Residence on Dinjeera Road (Lot 14)	07-May-20	07-May-20	10	0	125	0	NA	Did not trigger
Residence on Dinjeera Road (Lot 14)	07-May-20	07-May-20	10	0	125	0	NA	Did not trigger
1 Florida Road, Wells Crossing	07-May-20	07-May-20	10	0	125	0	NA	Did not trigger

Abbreviations:

mm/s = millimeters per second
 dB = decibel level
 NB = No Blasting

Environment Protection Licence Monitoring Data

Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Jul-20
 Monitoring Data for the Month: Jun-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B2460L	2/06/2020	2/06/2020	68.53	12	50	n/a	6.5 to 8.5	8.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2820L	12/06/2020	12/06/2020	68.53	30	50	n/a	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_01	16/06/2020	16/06/2020	68.53	56	50	n/a	6.5 to 8.5	7.8	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	16/06/2020	16/06/2020	68.53	35	50	n/a	6.5 to 8.6	8.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	16/06/2020	16/06/2020	68.53	21	50	n/a	6.5 to 8.7	7.9	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	17/06/2020	17/06/2020	68.53	12	50	n/a	6.5 to 8.8	8.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	26/06/2020	26/06/2020	68.53	24	50	n/a	6.5 to 8.9	8.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type:

Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dBL)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
NB								

Abbreviations:

mm/s = millimeters per second NB = No Blasting
 dBL = decibel level

Monitoring Type:

Discharge to Land (general)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND												

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type:

Discharge to Land (from acid sulphate soil treatment areas)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		Oil & Grease		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND														

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Environment Protection Licence Monitoring Data



Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Sep-20
 Monitoring Data for the Month: Aug-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B2820L	12-Aug-20	12-Aug-20	69	27	50	DNS	6.5 to 8.5	7.2	None visible	None visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	12-Aug-20	12-Aug-20	69	30	50	DNS	6.5 to 8.5	7.1	None visible	None visible	Special Frequency 1	NTU/TSS Correlation in use
B_HAW_02	18-Aug-20	18-Aug-20	69	41	50	DNS	6.5 to 8.5	7.0	None visible	None visible	Special Frequency 1	NTU/TSS Correlation in use
B2930L	19-Aug-20	19-Aug-20	69	53	50	DNS	6.5 to 8.5	7.1	None visible	None visible	Special Frequency 1	NTU/TSS Correlation in use
B2460L	19-Aug-20	19-Aug-20	69	10	50	DNS	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	NTU/TSS Correlation in use
B2470L	19-Aug-20	19-Aug-20	69	4	50	DNS	6.5 to 8.6	8.3	None visible	None visible	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type: Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dBL)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
NB				NB		NB	NB	NB

Abbreviations:

mm/s = millimeters per second NB = No Blasting
 dBL = decibel level

Monitoring Type: Discharge to Land (general)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND				ND		ND		ND		ND	ND	NB

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type: Discharge to Land (from acid sulphate soil treatment areas)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		Oil & Grease		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND				ND		ND		ND		ND		ND	ND	ND

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Environment Protection Licence Monitoring Data



Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Oct-20
 Monitoring Data for the Month: Sep-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B_HAW_02	16/09/2020	16/09/2020	69	52	50	DNS	6.5 to 8.5	7.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
B2740L	22/09/2020	22/09/2020	69	39	50	DNS	6.5 to 8.5	7.8	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:
 mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type: Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dB)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
NB				NB		NB	NB	NB

Abbreviations:
 mm/s = millimeters per second NB = No Blasting
 dB = decibel level

Monitoring Type:

Discharge to Land (general)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND				ND		ND		ND		ND	ND	ND

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type:

Discharge to Land (from acid sulphate soil treatment areas)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		Oil & Grease		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND				ND		ND		ND		ND		ND	ND	

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Environment Protection Licence Monitoring Data



Project Name: W2B_2A - Wells Crossing to Glenugie
 Environment Protection Licence No: 21330
 Premise Address: Pacific Highway, Glenugie
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Nov-20
 Monitoring Data for the Month: Oct-20
 Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
B3080L	29/10/2020	29/10/2020	68.53	22.1	50	0.00	6.5 to 8.5	8.3	None visible	NV	cial Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type: Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dBL)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
NB				NB		NB		

Abbreviations:

mm/s = millimeters per second NB = No Blasting
 dBL = decibel level

Monitoring Type: Discharge to Land (general)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND				ND		ND		ND		ND		

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type: Discharge to Land (from acid sulphate soil treatment areas)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		Oil & Grease		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND				ND		ND		ND	None Visible	None Visible		ND		

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Environment Protection Licence Monitoring Data



Project Name: W2B_2A - Wells Crossing to Glenugie
Environment Protection Licence No: 21330
Premise Address: Pacific Highway, Glenugie
Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
Date Published: 14-Dec-20
Monitoring Data for the Month: Dec-20
Reviewed by Project Environmental Manager: Yes

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Turbidity (NTU)		Total Suspended Solids (mg/L)		pH		Oil & Grease		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
BHAW01	23/12/2020	23/12/2020	68.53	56.4	50	0.00	6.5 to 8.5	7.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	22/12/2020	22/12/2020	68.53	67.2	50	0.00	6.5 to 8.5	6.8	None visible	None visible	Special Frequency 1	NTU/TSS Correlation in use

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 NTU = Nephelometric Turbidity Unit ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type: Blast Monitoring

Monitoring Point	Date Sampled	Date Data Obtained	Peak Particle Velocity (mm/s)		Airblast Overpressure (dBL)		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results		
NB								

Abbreviations:

mm/s = millimeters per second NB = No Blasting
 dBL = decibel level

Monitoring Type: Discharge to Land (general)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND												

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen

Monitoring Type: Discharge to Land (from acid sulphate soil treatment areas)

Discharge / Monitoring Point	Date Sampled	Date Data Obtained	Aluminium - dissolved (mg/L)		Conductivity (µS/cm)		Iron - dissolved (mg/L)		Oil & Grease		pH		Monitoring Frequency	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
ND														

Abbreviations:

mg/L = Milligrams per litre N/A = Not Applicable NV = None Visible DNS = Did Not Sample
 µS/cm = Microsiemens per centimetre ND = No Discharge V = Visible pH = potential of Hydrogen