

# 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-21  
**Monitoring Data for the Month:** Jan-21  
**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	14/01/2021	14/01/2021	68.53	62.1	50	0.00	6.5 to 8.5	7.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	15/01/2021	15/01/2021	68.53	68.1	50	0.00	6.5 to 8.5	7.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	18/01/2021	18/01/2021	68.53	24	50	0.00	6.5 to 8.5	6.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW01	22/01/2021	22/01/2021	68.53	31	50	0.00	6.5 to 8.5	7.1	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	22/01/2021	22/01/2021	68.53	47	50	0.00	6.5 to 8.5	6.5	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-Mar-21  
 Monitoring Data for the Month: Feb-21  
 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	ND	ND	68.53	ND	50	ND	6.5 to 8.5	ND	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	ND	ND	68.53	ND	50	ND	6.5 to 8.5	ND	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
			68.53		50		6.5 to 8.5		None visible		Special Frequency 1	NTU/TSS Correlation in use
			68.53		50		6.5 to 8.5		None visible		Special Frequency 1	NTU/TSS Correlation in use
			68.53		50		6.5 to 8.5		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-21  
**Monitoring Data for the Month:** Mar-21  
**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	08-Mar-21	08-Mar-21	68.53	39.8	50	0.00	6.5 to 8.5	6.7	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	27-Mar-21	27-Mar-21	68.53	65.7	50	0.00	6.5 to 8.5	6.6	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW01	28-Mar-21	28-Mar-21	68.53	63.3	50	0/00	6.5 to 8.5	7.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

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 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-May-21  
**Monitoring Data for the Month:** Apr-21  
**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	13/04/2021	13/04/2021	68.53	49.6	50	0.00	6.5 to 8.5	7.7	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	13/04/2021	13/04/2021	68.53	63.2	50	0.00	6.5 to 8.5	7.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	15/04/2021	15/04/2021	68.53	38.2	50	0.00	6.5 to 8.5	7.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
BHAW02	20/04/2021	20/04/2021	68.53	63.2	50	0/00	6.5 to 8.5	7.3	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use

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 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		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-Jun-21  
 Monitoring Data for the Month: May -21  
 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		
ND			68.53	DNS	50	DNS	6.5 to 8.5	DNS	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
			68.53		50		6.5 to 8.5		None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
			68.53		50		6.5 to 8.5		None visible	None Visible	Special Frequency 1	NTU/TSS Correlation in use
			68.53		50		6.5 to 8.5		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		

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		ND		ND		

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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