

# Environment Protection Licence Monitoring Data

Project Name: The Northern Road Upgrade, Stage 3  
 Environment Protection Licence No: 20910  
 Premise Address: The Northern Rd - Glenmore Pwy Glenmore Park to Jamison Rd Penrith South, NSW 2750  
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Feb-18  
 Monitoring Data for the Month: Jan-18  
 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			N/A	ND	50	ND	6.5 - 8.5	ND	None Visible	None Visible	Event based	

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

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Mar-18  
 Monitoring Data for the Month: Feb-18  
 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		
B0250R	28-Feb-18	28-Feb-18	N/A	N/A	50	26.0	6.5 - 8.5	8.1	None Visible	None Visible	Special Frequency 1	
B0950R	28-Feb-18	28-Feb-18	N/A	N/A	50	18.0	6.5 - 8.5	8.2	None Visible	None Visible	Special Frequency 1	
TS0950R	28-Feb-18	28-Feb-18	N/A	N/A	50	20.0	6.5 - 8.5	8.0	None Visible	None Visible	Special Frequency 1	

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Apr-18  
 Monitoring Data for the Month: Mar-18  
 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	ND	ND	N/A	ND	50	ND	6.5 - 8.5	ND	None Visible	None Visible	Event Based	ND

Abbreviations:

- mg/L = Milligrams per litre
- NTU = Nephelometric Turbidity Unit
- N/A = Not Applicable
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 Date Published: 14-Apr-18  
 Monitoring Data for the Month: Apr-18  
 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	ND	ND		ND	50	ND	6.5 to 8.5	ND	None visible	none visible	Special Frequency 1	
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Jun-18  
 Monitoring Data for the Month: May-18  
 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	ND	ND		ND	50	ND	6.5 to 8.5	ND	None v isible	None Visible		
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Jul-18  
 Monitoring Data for the Month: Jun-18  
 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		
B0950R	07-Jun-18	07-Jun-18	N/A	15.0	50	12.0	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Aug-18  
 Monitoring Data for the Month: Jul-18  
 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		
B0250R	03-Jul-18	03-Jul-18	N/A	15.0	50	11.0	6.5 to 8.5	8.3	None visible	None visible	Special Frequency 1	
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Sep-18  
 Monitoring Data for the Month: Aug-18  
 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			N/A	ND	50	ND	6.5 to 8.5	ND	None visible	None visible	Event based	No discharge
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Oct-18  
 Monitoring Data for the Month: Sep-18  
 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	ND	ND	N/A	ND	50	ND	6.5 to 8.5	ND	None visible	None Visible	Special Frequency 1	
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			
					50		6.5 to 8.5		None visible			

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Nov-18  
 Monitoring Data for the Month: Oct-18  
 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		
B0250R	11-Oct-18	11-Oct-18	N/A	55	50	41	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	
B0950R	11-Oct-18	11-Oct-18	N/A	40	50	32	6.5 to 8.5	8.3	None visible	None visible	Special Frequency 1	
B0950R	15-Oct-18	15-Oct-18	N/A	12	50	11	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	
B0250R	22-Oct-18	22-Oct-18	N/A	31	50	26	6.5 to 8.5	7.2	None visible	None visible	Special Frequency 1	
B0950R	22-Oct-18	22-Oct-18	N/A	22	50	26	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	
B2700L	22-Oct-18	22-Oct-18	N/A	15	50	14	6.5 to 8.5	7.2	None visible	None visible	Special Frequency 1	
B0250R	31-Oct-18	31-Oct-18	N/A	50	50	32	6.5 to 8.5	7.6	None visible	None visible	Special Frequency 1	

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Dec-18  
 Monitoring Data for the Month: Nov-18  
 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		
B0950R	01-Nov-18	01-Nov-18	N/A	54.0	50	31.0	6.5 to 8.5	7.17	None visible	None Visible	Special Frequency 1	
B2700L	01-Nov-18	01-Nov-18	N/A	25.6	50	16.0	6.5 to 8.5	6.80	None visible	None Visible	Special Frequency 1	
B0250R	05-Nov-18	05-Nov-18	N/A	22.0	50	18.0	6.5 to 8.5	8.41	None visible	None Visible	Special Frequency 1	
B0250R	29-Nov-18	29-Nov-18	N/A	40.3	50	17.0	6.5 to 8.5	8.30	None visible	None Visible	Special Frequency 1	
B0950R	29-Nov-18	29-Nov-18	N/A	40.3	50	23.0	6.5 to 8.5	7.16	None visible	None Visible	Special Frequency 1	

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>  
 Date Published: 14-Jan-19  
 Monitoring Data for the Month: Dec-18  
 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		
B2700L	04-Dec-18	04-Dec-18	N/A	56.0	50	28.0	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	
B0250R	17-Dec-18	17-Dec-18	N/A	9.4	50	5.0	6.5 to 8.5	8.1	None visible	None visible	Special Frequency 1	
B0950R	17-Dec-18	17-Dec-18	N/A	12.2	50	10.0	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	
B0250R	22-Dec-18	22-Dec-18	N/A	37.2	50	-	6.5 to 8.5	8.1	None visible	None visible	Special Frequency 1	Correlation used for discharge - 40 mg/L equivalent to 68 NTU
B0950R	22-Dec-18	22-Dec-18	N/A	39.2	50	-	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	Correlation used for discharge - 40 mg/L equivalent to 68 NTU
			N/A		50		6.5 to 8.5		None visible			

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