

Environment Protection Licence Monitoring Data

Project Name: The Northern Road Upgrade Stage 3
 Environment Protection Licence No: 20910
 Premise Address: The Northern Road Upgrade, Glenmore Parkway Glenmore park to Jamison Road Penrith South, NSW 2750
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Feb-19
 Monitoring Data for the Month: Jan-19
 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-Jan-19	07-Jan-19	69	25.6	50	17.0	6.5 to 8.5	8.5	None visible	None Visible	Special Frequency 1	
B0250R	07-Jan-19	07-Jan-19	69	14.8	50	11.0	6.5 to 8.5	8.3	None visible	None Visible	Special Frequency 1	
B2700L	08-Jan-19	08-Jan-19	69	12.0	50	13.0	6.5 to 8.5	8.1	None visible	None Visible	Special Frequency 1	
B0950R	09-Jan-19	09-Jan-19	69	16.3	50	DNS	6.5 to 8.5	8.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0250R	09-Jan-19	09-Jan-19	69	33.0	50	DNS	6.5 to 8.5	8.1	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	23-Jan-19	23-Jan-19	69	21.5	50	14.0	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	
B0250R	23-Jan-19	23-Jan-19	69	30.4	50	6.0	6.5 to 8.5	8.3	None visible	None Visible	Special Frequency 1	
B0250R	24-Jan-19	24-Jan-19	69	31.7	50	17.0	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	
B2700L	29-Jan-19	29-Jan-19	69	29.7	50	DNS	6.5 to 8.5	8.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0250R	30-Jan-19	30-Jan-19	69	39.0	50	41.0	6.5 to 8.5	8.2	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

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Mar-19
 Monitoring Data for the Month: Feb-19
 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-Apr-19
 Monitoring Data for the Month: Mar-19
 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	18-Mar-19	18-Mar-19	69	59	50	35.0	6.5 to 8.5	7.9	None visible	None visible	Special Frequency 1	
B0950R	18-Mar-19	18-Mar-19	69	80	50	40.0	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	
B2700L	20-Mar-19	20-Mar-19	69	49	50	DNS	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	
B0250R	21-Mar-19	21-Mar-19	69	60	50	40.0	6.5 to 8.5	8.3	None visible	None visible	Special Frequency 1	
B0950R	21-Mar-19	21-Mar-19	69	54	50	45.0	6.5 to 8.5	8.2	None visible	None visible	Special Frequency 1	
B0250R	25-Mar-19	25-Mar-19	69	34	50	DNS	6.5 to 8.5	8.2	None visible	None visible	Special Frequency 1	
B0950R	25-Mar-19	25-Mar-19	69	42	50	DNS	6.5 to 8.5	7.7	None visible	None visible	Special Frequency 1	
B2700L	25-Mar-19	25-Mar-19	69	47	50	DNS	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	

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Project Name: The Northern Road Upgrade, Glenmore Parkway Glenmore Park to Jamison Road Penrith South
 Environment Protection Licence No: 20910
 Premise Address: The Northern Road Upgrade, Glenmore Parkway Glenmore park to Jamison Road Penrith South, NSW 2750
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-May-19
 Monitoring Data for the Month: Apr-19
 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	02-Apr-19	02-Apr-19	69	19.9	50	DNS	6.5 to 8.5	8.5	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used for Turbidity
B0250R	04-Apr-19	04-Apr-19	69	57.4	50	DNS	6.5 to 8.5	8.5	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used for Turbidity
B2700L	08-Apr-19	08-Apr-19	69	19.9	50	DNS	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used for Turbidity
B0950R	09-Apr-19	09-Apr-19	69	5.5	50	DNS	6.5 to 8.5	8.5	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used for Turbidity
B0250R	17-Apr-19	17-Apr-19	69	27.8	50	DNS	6.5 to 8.5	7.3	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used for Turbidity
B0250R	18-Apr-19	18-Apr-19	69	26.2	50	DNS	6.5 to 8.5	8.0	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used for Turbidity

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Project Name: The Northern Road Stage 3 Upgrade
 Environment Protection Licence No: 20910
 Premise Address: The Northern Road Upgrade, Glenmore Parkway Glenmore Park to Jamison Road Penrith South, NSW 2750
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Jun-19
 Monitoring Data for the Month: May-19
 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	DNS	DNS	67	N/A	50	N/A	6.5 to 8.5	N/A	None visible	Noine visible	Special Frequency 1	-
			67		50		6.5 to 8.5		None visible		Special Frequency 1	-
			67		50		6.5 to 8.5		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-Jul-19
 Monitoring Data for the Month: Jun-19
 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-Jun-19	03-Jun-19	69	9.2	50	11.0	6.5 to 8.5	7.6	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	03-Jun-19	03-Jun-19	69	6.3	50	12.0	6.5 to 8.5	6.7	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0250R	06-Jun-19	06-Jun-19	69	29.3	50	DNS	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0250R	07-Jun-19	07-Jun-19	69	33.7	50	DNS	6.5 to 8.5	8.4	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	07-Jun-19	07-Jun-19	69	17.4	50	DNS	6.5 to 8.5	8.2	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	27-Jun-19	27-Jun-19	69	18.8	50	DNS	6.5 to 8.5	8.5	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
					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-Aug-19
 Monitoring Data for the Month: Jul-19
 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	02-Jul-19	02-Jul-19	69	21.1	50	DNS	6.5 to 8.5	8.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	04-Jul-19	04-Jul-19	69	11.5	50	DNS	6.5 to 8.5	8.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	05-Jul-19	05-Jul-19	69	67.9	50	DNS	6.5 to 8.5	8.5	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	08-Jul-19	08-Jul-19	69	24.7	50	DNS	6.5 to 8.5	8.2	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	13-Jul-19	13-Jul-19	69	6.6	50	DNS	6.5 to 8.5	7.7	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	15-Jul-19	15-Jul-19	69	27.1	50	DNS	6.5 to 8.5	8.0	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	29-Jul-19	29-Jul-19	69	21.6	50	DNS	6.5 to 8.5	8.4	None visible	None Visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU

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 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Sep-19
 Monitoring Data for the Month: Aug-19
 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-Aug-19	03-Aug-19	69	13.8	50	DNS	6.5 to 8.5	7.62	None visible	None visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU

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Project Name: The Northern Road Upgrade Stage 3 Upgrade
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 Premise Address: The Northern Road Upgrade, Glenmore Parkway to Jamison Road, Penrith South, NSW 2750
 Link to Public Register on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/>
 Date Published: 14-Oct-19
 Monitoring Data for the Month: Sep-19
 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	19-Sep-19	19-Sep-19	69	68.8	50	27.0	6.5 to 8.5	8.4	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	19-Sep-19	19-Sep-19	69	45.6	50	30.0	6.5 to 8.5	8.4	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	20-Sep-19	20-Sep-19	69	36.1	50	DNS	6.5 to 8.5	7.7	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	20-Sep-19	20-Sep-19	69	60.6	50	DNS	6.5 to 8.5	8.4	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0250R	21-Sep-19	21-Sep-19	69	40.9	50	DNS	6.5 to 8.5	7.7	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0250R	23-Sep-19	23-Sep-19	69	26.9	50	18.0	6.5 to 8.5	7.0	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	23-Sep-19	23-Sep-19	69	26.0	50	DNS	6.5 to 8.5	8.4	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	27-Sep-19	27-Sep-19	69	54.5	50	DNS	6.5 to 8.5	6.8	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	30-Sep-19	30-Sep-19	69	8.8	50	DNS	6.5 to 8.5	8.5	None visible	none visilbe	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU

Abbreviations:

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 NTU = Nephelometric Turbidity Unit
 N/A = Not Applicable
 ND = No Discharge
 NV = None Visible
 V = Visible
 DNS = Did Not Sample
 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-Nov-19
 Monitoring Data for the Month: Oct-19
 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	15-Oct-19	15-Oct-19	69	38.4	50	DNS	6.5 to 8.5	8.3	None visible	none visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B2700L	17-Oct-19	17-Oct-19	69	26.6	50	DNS	6.5 to 8.5	8.2	None visible	none visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
B0950R	18-Oct-19	18-Oct-19	69	22.4	50	DNS	6.5 to 8.5	8.3	None visible	none visible	Special Frequency 1	NTU/TSS Correlation used - 40mg/L = 69 NTU
			69		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-Dec-19
 Monitoring Data for the Month: Nov-19
 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	-	-	69	-	50	-	6.5 to 8.5	-	None visible	None Visible	Special Frequency 1	-

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 Date Published: 14-Jan-20
 Monitoring Data for the Month: Dec-19
 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	-	-	69	-	50	-	6.5 to 8.5	-	None visible	None Visible	Special Frequency 1	-

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