

M7- M12 Integration Project Environment Protection Licence – Environmental Monitoring Data Report

November 2025



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Contents

1	Project summary.....	2
2	Environmental Protection Licence and Reporting Requirements.....	4
3	Noise and vibration monitoring	5
3.1	Noise monitoring	5
3.2	Vibration monitoring	10
4	Discharge Water Quality Monitoring	13

Figures

Figure 1-1	M7-M12 Integration Project.....	3
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Tables

Table 3-1	Noise monitoring data	6
Table 3-2	Vibration monitoring data	11
Table 4-1	Sediment basin discharge monitoring data for October 2025	14

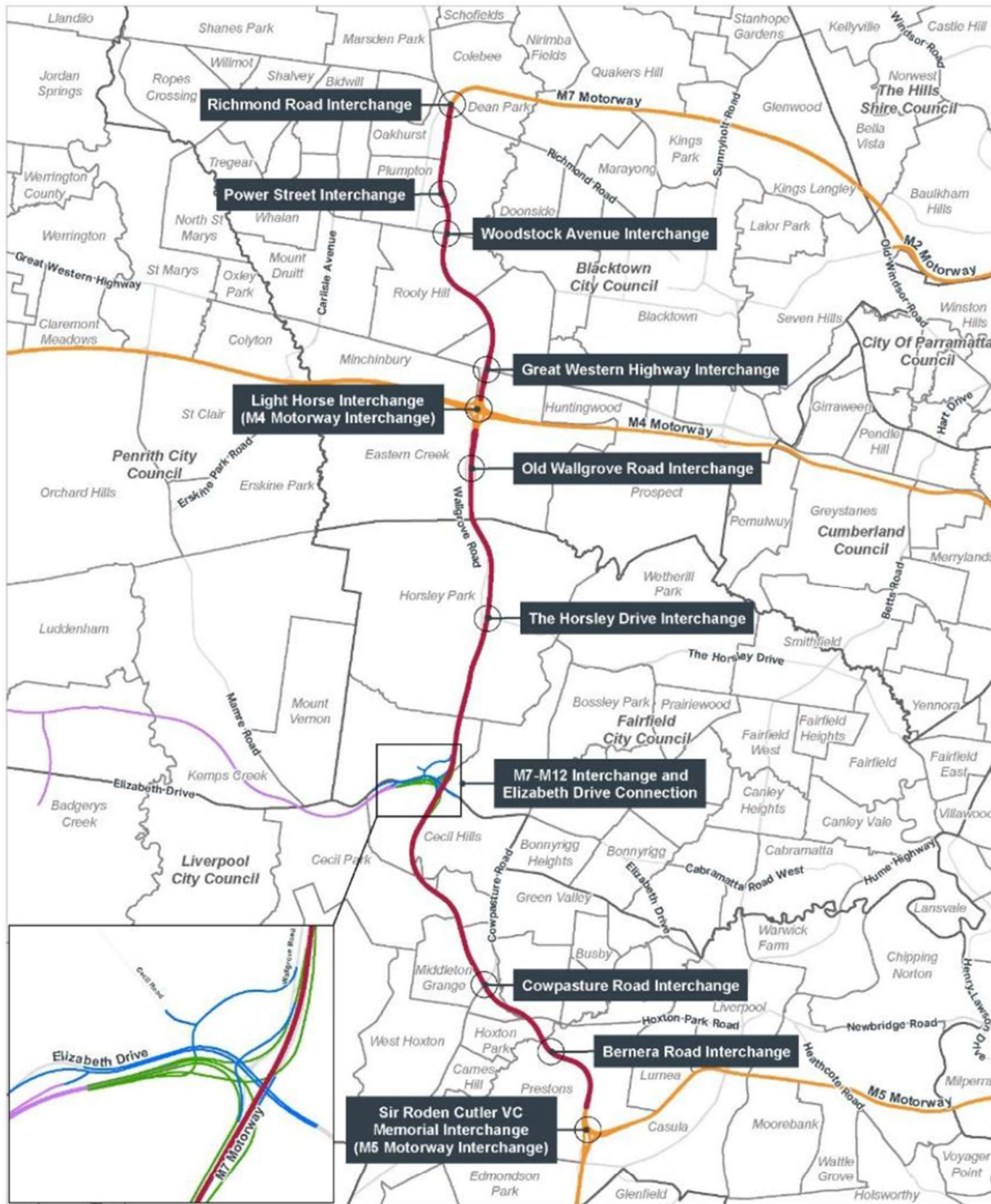
1 Project summary

The M7 Motorway (Modification 6 Widening; SSI-663-Mod-6) (M7 Widening) and the M12 East package of the M12 Motorway project (SSI 9364) will be delivered together under what is referred to as the M7-M12 Integration project (the Project) (refer to Figure 1-1) by John Holland.

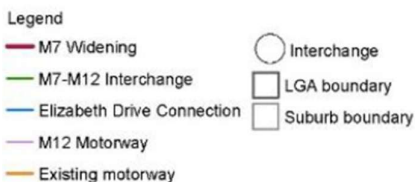
The M12 Motorway extends between the M7 Motorway at Cecil Hills and The Northern Road at Luddenham, over a distance of about 16 km. It will be delivered in multiple packages including the M12 West package, M12 Central package and M12 East package (this package is part of the M7-M12 Integration project). The M12 East package involves two components of work:

- Connecting Elizabeth Drive to the M12 Motorway and the upgrade of approximately two kilometres of Elizabeth Drive from east of Duff Road to 300 metres east of the M7 Motorway
- Providing a grade separated motorway to motorway connection between the M7 Motorway and M12 Motorway.

The M7 Widening project will enable the construction and operation of an additional lane in both directions within the existing median of the Westlink M7 for approximately 26 kilometres (km). Works will occur from about 140 metres (m) south of the Kurrajong Road overhead bridge at Prestons (southern end) to the Richmond Road interchange at Oakhurst/Glendenning (northern end), excluding widening through the Westlink M7/M4 Motorway (Light Horse) Interchange.



M7-M12 INTEGRATION PROJECT
LOCATION OVERVIEW



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Source: Mapbox, 2022

Figure 1-1 M7-M12 Integration Project

2 Environmental Protection Licence and Reporting Requirements

John Holland Pty Ltd obtained the Environment Protection Licence (EPL No. 21829) from the NSW Environment Protection Authority for the project. The licence is for road construction as defined under Schedule 1 of the *Protection of the Environment Operations Act 1997* (POEO Act).

The licence describes monitoring and reporting requirements for the Works. The following report details environmental monitoring undertaken during the November 2025 monitoring period conducted in accordance with the EPL.

The EPL can be found by following the link below to the EPA's website: epa.nsw.gov.au.

3 Noise and vibration monitoring

3.1 Noise monitoring

Noise monitoring was undertaken during the reporting period in accordance with the requirements of the M7M12 Construction Noise and Vibration Monitoring Program (M712UDC-JHGRP-M7A-EN-PLN-000074).

All works were deemed compliant as they complied with applicable criteria, monitoring was predominantly dominated by background noise sources such as local traffic and are detailed in Table 3-1.

Table 3-1 Noise monitoring data

Location Description	Monitoring date	Monitoring period	NCA	Attended or Continuous	Parameter	Measured value dB(A)	Goals and targets dB(A)	Project OOHW Compliance	Comments/Field Observations
185 Middleton Drive, Middleton Grange	03/11/2025	Night	NCA_10	Attended	LAeq (15 min)	61.1	74	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
95 Dobroyd Drive, Elizabeth Hills	03/11/2025	Night	NCA_13	Attended	LAeq (15 min)	65.4	68	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
233-234 Wallgrove Road, Horsley Park	04/11/2025	Night	NCA_17	Attended	LAeq (15 min)	55.5	68	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
49 Dobroyd Drive, Elizabeth Hills	04/11/2025	Night	NCA_13	Attended	LAeq (15 min)	61.4	64	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
1 Dobroyd Drive, Elizabeth Hills	04/11/2025	Night	NCA_13	Attended	LAeq (15 min)	62.4	62	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
1 Dobroyd Drive, Elizabeth Hills	05/11/2025	Night	NCA_13	Attended	LAeq (15 min)	59.2	62	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
233-234 Wallgrove Road, Horsley Park	06/11/2025	Night	NCA_17	Attended	LAeq (15 min)	63.6	68	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
185 Middleton Drive, Middleton Grange	06/11/2025	Night	NCA_10	Attended	LAeq (15 min)	54.4	74	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
95 Dobroyd Drive, Elizabeth Hills	06/11/2025	Night	NCA_13	Attended	LAeq (15 min)	66	68	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
12 Gilpin Place, Plumpton	09/11/2025	Night	NCA_28	Attended	LAeq (15 min)	48	62	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
24 Haleluka Cres, Plumpton	09/11/2025	Night	NCA_28	Attended	LAeq (15 min)	50.5	57	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
489-499 Wallgrove Road, Horsley Park	10/11/2025	Night	NCA_20	Attended	LAeq (15 min)	60	70	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
95 Dobroyd Drive, Elizabeth Hills	10/11/2025	Night	NCA_13	Attended	LAeq (15 min)	45.8	68	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.

Location Description	Monitoring date	Monitoring period	NCA	Attended or Continuous	Parameter	Measured value dB(A)	Goals and targets dB(A)	Project OOHW Compliance	Comments/Field Observations
1 Dobroyd Drive, Elizabeth Hills	10/11/2025	Night	NCA_13	Attended	LAeq (15 min)	43.8	54	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
1 Dobroyd Drive, Elizabeth Hills	10/11/2025	Night	NCA_13	Attended	LAeq (15 min)	45.1	54	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
22 Buttigieg, Plumpton	10/11/2025	Night	NCA_31	Attended	LAeq (15 min)	49.4	38	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the nighttime NML. JHG works compliant.
437 Wallgrove Road, Horsley Park	11/11/2025	Night	NCA_20	Attended	LAeq (15 min)	65	59	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
7 Gimmi Grove, Plumpton	11/11/2025	Night	NCA_28	Attended	LAeq (15 min)	47.7	43	JH Works Compliant	Dominant noise source was humming sound (non-JHG works related). Works were compliant with the PNL. JHG works compliant.
15 Lambert Avenue, Plumpton	11/11/2025	Night	NCA_31	Attended	LAeq (15 min)	51.3	69	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
34 Flora Street, Plumpton	11/11/2025	Night	NCA_31	Attended	LAeq (15 min)	49.9	57	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
1 Dobroyd Drive, Elizabeth Hills	12/11/2025	Night	NCA_13	Attended	LAeq (15 min)	41.4	54	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
52 Elaine Place, Cecil Park	12/11/2025	Night	NCA_17	Attended	LAeq (15 min)	50.5	51	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
489 Wallgrove Road, Horsley Park	12/11/2025	Night	NCA_20	Attended	LAeq (15 min)	69.9	52	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
21 Twentieth Avenue, Hoxton Park	12/11/2025	Night	NCA_08	Attended	LAeq (15 min)	49.4	43	JH Works Compliant	Dominant noise source was traffic from local roads. Works inaudible during monitoring period. JHG works compliant
2 Kosovich Place, Cecil Park	13/11/2025	Night	NCA_17	Attended	LAeq (15 min)	51.2	49	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
54 Polonia Avenue, Plumpton	13/11/2025	Night	NCA_28	Attended	LAeq (15 min)	49.1	68	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.

Location Description	Monitoring date	Monitoring period	NCA	Attended or Continuous	Parameter	Measured value dB(A)	Goals and targets dB(A)	Project OOHW Compliance	Comments/Field Observations
46 Woodley Crescent, Glendenning	13/11/2025	Night	NCA_31	Attended	LAeq (15 min)	48.7	53	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
233-243 Wallgrove Road, Horsley Park	14/11/2025	Night	NCA_17	Attended	LAeq (15 min)	62.4	57	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
23 Isabel Street, Cecil Hills	14/11/2025	Night	NCA_16b	Attended	LAeq (15 min)	44.6	67	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
28 Cecil Road, Cecil Park	14/11/2025	Night	NCA_35	Attended	LAeq (15 min)	59.6	61	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
33 Isabel Street, Cecil Hills	14/11/2025	Night	NCA_16b	Attended	LAeq (15 min)	47.2	57	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
1 Duff Road, Cecil Park	14/11/2025	Night	NCA_04	Attended	LAeq (15 min)	61.3	64	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
2073-2081 Elizabeth Drive, Cecil Park	15/11/2025	Night	NCA_35	Attended	LAeq (15 min)	65.1	71	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
27 Myra Street, Plumpton	17/11/2025	Night	NCA_31	Attended	LAeq (15 min)	52.9	60	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
64 Woodley Crescent, Glendenning	16/11/2025	Night	NCA_31	Attended	LAeq (15 min)	47.1	62	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
233-243 Wallgrove Road, Cecil Park	17/11/2025	Night	NCA_17	Attended	LAeq (15 min)	62.2	68	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
233-243 Wallgrove Road, Cecil Park	18/11/2025	Night	NCA_17	Attended	LAeq (15 min)	58.8	68	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.
12 Sperring Avenue, Oakhurst	23/11/2025	Night	NCA_31	Attended	LAeq (15 min)	50.4	73	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.
64 Woodley Crescent, Glendenning	23/11/2025	Night	NCA_31	Attended	LAeq (15 min)	49.4	62	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.

Location Description	Monitoring date	Monitoring period	NCA	Attended or Continuous	Parameter	Measured value dB(A)	Goals and targets dB(A)	Project OOHW Compliance	Comments/Field Observations
95 Dobroyd Drive, Elizabeth Hills	24/11/2025	Night	NCA_13	Attended	LAeq (15 min)	45.8	68	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.
233-243 Wallgrove Road, Cecil Park	24/11/2025	Night	NCA_17	Attended	LAeq (15 min)	61.1	63	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.
46 Palonia Avenue, Plumpton	24/11/2025	Night	NCA_28	Attended	LAeq (15 min)	51	68	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.
21 Dobroyd Drive, Elizabeth Hills	25/11/2025	Night	NCA_13	Attended	LAeq (15 min)	36.7	60	JH Works Compliant	Dominant noise source was traffic from local roads and project works. Works were compliant with the PNL. JHG works compliant.
24 Dobroyd Drive, Elizabeth Hills	25/11/2025	Night	NCA_13	Attended	LAeq (15 min)	42.9	52	JH Works Compliant	Dominant noise source was traffic from local roads and project works. Works were compliant with the PNL. JHG works compliant.
15 Lambert Avenue, Plumpton	25/11/2025	Night	NCA_31	Attended	LAeq (15 min)	55.9	72	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
144 Rooty Hill Road, Eastern Creek	25/11/2025	Night	NCA_23	Attended	LAeq (15 min)	60.7	52	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
64 Woodley Crescent, Glendenning	26/11/2025	Night	NCA_31	Attended	LAeq (15 min)	47.9	62	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
95 Dobroyd Drive, Elizabeth Hills	27/11/2025	Night	NCA_13	Attended	LAeq (15 min)	47.9	72	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.
87 Hemsworth Avenue, Middleton Grange	27/11/2025	Night	NCA_10	Attended	LAeq (15 min)	46.1	50	JH Works Compliant	Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant.
185 Middleton Drive, Middleton Grange	27/11/2025	Night	NCA_10	Attended	LAeq (15 min)	57.2	70	JH Works Compliant	Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant.

Note:

1. LAeq (15min) - The A-weighted equivalent continuous (energy average) A-weighted sound pressure level over a 15-minute period.
2. dBA - Decibels using the A-weighted scale measured according to the frequency of the human ear.

3.2 Vibration monitoring

Vibration monitoring was undertaken during the reporting period in accordance with the requirements of the M7M12 Construction Noise and Vibration Monitoring Program (M712UDC-JHGRP-M7A-EN-PLN-000074).

All works were deemed compliant as they complied with applicable criteria and are detailed in Table 3-2.

Table 3-2 Vibration monitoring data

Monitoring Location	Monitoring Date	Attended or Continuous Monitoring	Measured VDV (m/s ^{1.75})	VDV Target (m/s ^{1.75})	VDV Compliant	Measured PPV (mm/s)	PPV Target (mm/s)	PPV Compliant	Comments/ Field Observations
75 Dobroyd Drive, Elizabeth Hills	03/11/2025	Attended	0.06	0.4	Compliant	0.09	25	Compliant	Works were monitored and found to be compliant with the associated criteria
1 Dobroyd Drive, Elizabeth Hills	04/11/2025	Attended	0.06	0.4	Compliant	0.09	25	Compliant	Works were monitored and found to be compliant with the associated criteria
1 Dobroyd Drive, Elizabeth Hills	05/11/2025	Attended	0.07	0.4	Compliant	0.1	25	Compliant	Works were monitored and found to be compliant with the associated criteria
233-234 Wallgrove Road, Horsley Park	06/11/2025	Attended	0.07	0.4	Compliant	0.1	25	Compliant	Works were monitored and found to be compliant with the associated criteria
75 Dobroyd Drive, Elizabeth Hills	06/11/2025	Attended	0.06	0.4	Compliant	0.09	25	Compliant	Works were monitored and found to be compliant with the associated criteria
1 Dobroyd Drive, Elizabeth Hills	07/11/2025	Attended	0.06	0.4	Compliant	0.09	25	Compliant	Works were monitored and found to be compliant with the associated criteria
24 Haleluka Cres, Plumpton	09/11/2025	Attended	0.08	0.4	Compliant	0.12	25	Compliant	Works were monitored and found to be compliant with the associated criteria
75 Dobroyd Drive, Elizabeth Hills	10/11/2025	Attended	0.07	0.4	Compliant	0.11	25	Compliant	Works were monitored and found to be compliant with the associated criteria

1 Dobroyd Drive, Elizabeth Hills	10/11/2025	Attended	0.07	0.4	Compliant	0.11	25	Compliant	Works were monitored and found to be compliant with the associated criteria
15 Lambert Avenue, Plumpton	11/11/2025	Attended	0.09	0.4	Compliant	0.14	25	Compliant	Works were monitored and found to be compliant with the associated criteria
489 Wallgrove Road, Horsley Park	12/11/2025	Attended	0.09	0.4	Compliant	0.14	25	Compliant	Works were monitored and found to be compliant with the associated criteria
50 Polonia Avenue, Plumpton	13/11/2025	Attended	0.08	0.4	Compliant	0.12	25	Compliant	Works were monitored and found to be compliant with the associated criteria
650 Wallgrove Road, Horsley Park	16/11/2025	Attended	0.08	0.4	Compliant	0.12	25	Compliant	Works were monitored and found to be compliant with the associated criteria
15 Lambert Avenue, Plumpton	17/11/2025	Attended	0.18	0.4	Compliant	0.27	25	Compliant	Works were monitored and found to be compliant with the associated criteria
15 Lambert Avenue, Plumpton	25/11/2025	Attended	0.11	0.4	Compliant	0.17	25	Compliant	Works were monitored and found to be compliant with the associated criteria
44 Woodley Crescent, Glendenning	27/11/2025	Attended	0.07	0.4	Compliant	0.11	25	Compliant	Works were monitored and found to be compliant with the associated criteria

Note:

1. VDV – Vibration Dose Value
2. PPV – Peak Particle Velocity

4 Discharge Water Quality Monitoring

Offsite discharge occurred during November 2025 from sediment basins across the Project.

All discharges were compliant with the requirements of the Project EPL (#21829) and are outlined in Table 4-1.

Table 4-1 Sediment basin discharge monitoring data for November 2025

Location	Date	Analyte	Units	Limit	Result	Comments
SB03	05/11/2025	pH	pH	6.5-8.5	8.33	Compliant with discharge criteria.
		Turbidity	NTU	50	37.9	
		Oil and grease	Visible	Not visible	Not visible	
SB01	06/11/2025	pH	pH	6.5-8.5	8.2	Compliant with discharge criteria.
		Turbidity	NTU	50	45.9	
		Oil and grease	Visible	Not visible	Not visible	
SB16	07/11/2025	pH	pH	6.5-8.5	8.4	Compliant with discharge criteria.
		Turbidity	NTU	50	41	
		Oil and grease	Visible	Not visible	Not visible	
SB02	14/11/2025	pH	pH	6.5-8.5	7.46	Compliant with discharge criteria.
		Turbidity	NTU	50	35.8	
		Oil and grease	Visible	Not visible	Not visible	
SB06	17/11/2025	pH	pH	6.5-8.5	7.69	Compliant with discharge criteria.
		Turbidity	NTU	50	48.1	
		Oil and grease	Visible	Not visible	Not visible	
SB08	19/11/2025	pH	pH	6.5-8.5	7.65	Compliant with discharge criteria.
		Turbidity	NTU	50	9	
		Oil and grease	Visible	Not visible	Not visible	
SB02	20/11/2026	pH	pH	6.5-8.5	8.02	Compliant with discharge criteria.
		Turbidity	NTU	50	48.1	
		Oil and grease	Visible	Not visible	Not visible	
SB01	26/11/2025	pH	pH	6.5-8.5	7.08	Compliant with discharge criteria.
		Turbidity	NTU	50	46.5	

Environment Protection Licence Environment Monitoring Data

		Oil and grease	Visible	Not visible	Not visible	
SB02	27/11/2025	pH	pH	6.5-8.5	8.13	Compliant with discharge criteria.
		Turbidity	NTU	50	42.7	
		Oil and grease	Visible	Not visible	Not visible	
SB17	27/11/2025	pH	pH	6.5-8.5	8.11	Compliant with discharge criteria.
		Turbidity	NTU	50	47.8	
		Oil and grease	Visible	Not visible	Not visible	