EPL 21595
Pollution Monitoring Report
November 2025
M12 Motorway West

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Document Approval

Rev.	Date	Prepared by	Approved by
00	28/11/2025	Sen Keomongkhoun	Vishal Khosla
Signature:			

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1 Introduction

1.1 Background

Western Sydney's population is anticipated to increase from 2.5 million in 2021 to 3 million by 2036, which is an average of 46,000 additional residents per year. This strong forecast growth is driven by a number of transformational changes in the region, including the Western Sydney International Airport (WSIA), Southwest Growth Area, Western Sydney Employment Area and Western Sydney Aerotropolis. Additional travel demand associated with these planned developments is expected to put significant pressure on the existing transport network and negatively impact traffic efficiency and road safety in the region.

The M12 Motorway will connect The Northern Road at Luddenham and the M7 Motorway at Cecil Hills, over a distance of about 16 km. The M12 Motorway project will provide the main access from the WSIA at Badgerys Creek to Sydney's motorway network and must be opened to traffic six months before the opening of the WSIA.

The M12 Motorway will provide the capacity to meet traffic demand generated by Western Sydney urban development, provide a high standard connection to WSIA to meet future freight and passenger needs and will support and integrate with the broader transport network. The M12 Motorway Project objectives include:

- Provide direct access from the M7 Motorway to the planned Western Sydney airport at Badgerys Creek, and from the M4 via The Northern Road.
- Provide sufficient road capacity to meet traffic demand generated by the planned Western Sydney urban development.
- Provide a road which supports and integrates with the broader transport network.
- Support the provision of an integrated regional and local public transport system.
- Provide active local transport within the east-west corridor.

Approval for the Project under the EP&A Act was granted by the Minister for Planning on 23 April 2021. Approval for the Project under the EPBC Act was granted by the Federal Minister for the Environment on 3 June 2021. The project must be carried out in accordance with the terms of the NSW and Federal Approvals.

2 Project Details

2.1 M12 Motorway West Project Details

The M12 Motorway West Project involves construction of a new approximately 6km of dual carriageway motorway predominantly through greenfield area between The Northern Road, Luddenham and approximately 250m east of Badgerys Creek, including WSIA Interchange and Elizabeth Drive Interchange. The works are within the Liverpool and Penrith City Councils (Council) local government areas (LGA).

Features of these Works include:

- Construction of 6km of dual carriageway motorway predominantly through greenfield area between The Northern Road, Luddenham and approximately 250m east of Badgerys Creek.
- Construction of 11 bridges.
- A grade-separated interchange referred to as the Western Sydney International Airport interchange, including a dual-carriageway four-lane airport access road (two lanes in each direction for about 1.5 kilometres) connecting with the Western Sydney International Airport Main Access Road.
- Connection to the signalised at grade intersection at The Northern Road with provision for grade separation in the future as part of the future Outer Sydney Orbital.
- Realignment and duplication of approximately 1,500m of Elizabeth Drive with a new bridge over the Airport Access Road and Metro Rail corridor including associated utility adjustments.
- A four-way signalised intersection east of Airport Access Road.
- A left-in/left-out intersection west of Airport Access Road.
- A signalised single point interchange with north facing ramps from Elizabeth Drive to M12 and south facing ramps from Elizabeth Drive to Airport Access Road.

Activities included in the Works:

- site establishment
- control of traffic including the provision of approved Traffic Management Plans to facilitate the construction of the works
- provision for pedestrians and cyclists
- provision of site accommodation for the Principal
- searching for and protecting public utility services
- maintenance of the existing roadways
- drainage works (both surface and subsurface)
- permanent and temporary erosion and sedimentation controls
- removal and disposal of some existing roads, kerbs, gutters, footpaths, stormwater and other minor structures
- demolition of structures including houses and sheds
- earthworks including clearing and grubbing, removal and stockpiling of topsoil, excavation of cuttings, placing of general fill, management of potentially/ actually contaminated materials, possible off-Site disposal of spoil material, foundation treatments, placement of upper zone material and Selected Material Zone using imported materials.
- construction of rigid pavements including lean-mix concrete sub-base, continuously reinforced concrete pavement, dense grade asphalt intermediate and wearing courses
- flexible sub-base and base pavements
- ancillary works, including new kerbs and/or gutters and paving of cycleways/footpaths.
- construction of bridges
  - Bridge over Luddenham Road (BR01)
  - Bridge over Cosgroves Creek (BR02)
  - Bridge over Airport Access Road (AAR) on Elizabeth Drive (BR04A)

  - Bridge over Sydney Metro on Elizabeth Drive (BR04B)
  - Bridge over Western Sydney Airport (WSA) Channel on Northbound Off Ramp (BR04C)
  - Bridge over WSA Channel on Southbound On Ramp (BR04D)
  - Twin Bridges over Badgerys Creek (BR05)
  - Bridge over M12 Motorway and Airport Access Road Ramps (BR21)
  - Bridge over M12 (BR22)
  - Bridge over M12 Motorway on ramp (BR24)
- construction of a RCBC as a stock underpass
- construction of precast arch structures as a shared use path underpass
- construction of retaining walls
- construction of reinforced soil walls
- design development and installation of pits and conduits for an underground Intelligent Transport System cableway including supply and installation of Closed-Circuit Television Cameras, Electronic Message Signs, Emergency Telephones, Vehicle Detection Sites and Permanent Automatic Weather Stations
- relocation of existing and installation of new (or upgraded) public utilities.
- property access and property adjustments
- Road furniture
- pavement marking and raised pavement markers.
- signposting including sign structures.
- opening to traffic
- revegetation and landscaping of exposed new works and of areas disturbed by construction activities
- clean up and restoration of work areas and the areas disturbed by utility authorities in carrying out adjustments within the Site.
- preparation of “work-as-executed” drawings and asset acceptance documentation
- all other work which CPBGG JV are obliged to undertake by the terms of the Contract.

CPB Contractors Pty Limited and Georgiou Group Joint Venture (CPBGG JV) were engaged by Transport for New South Wales (TfNSW) to construct the M12 Motorway West Package.

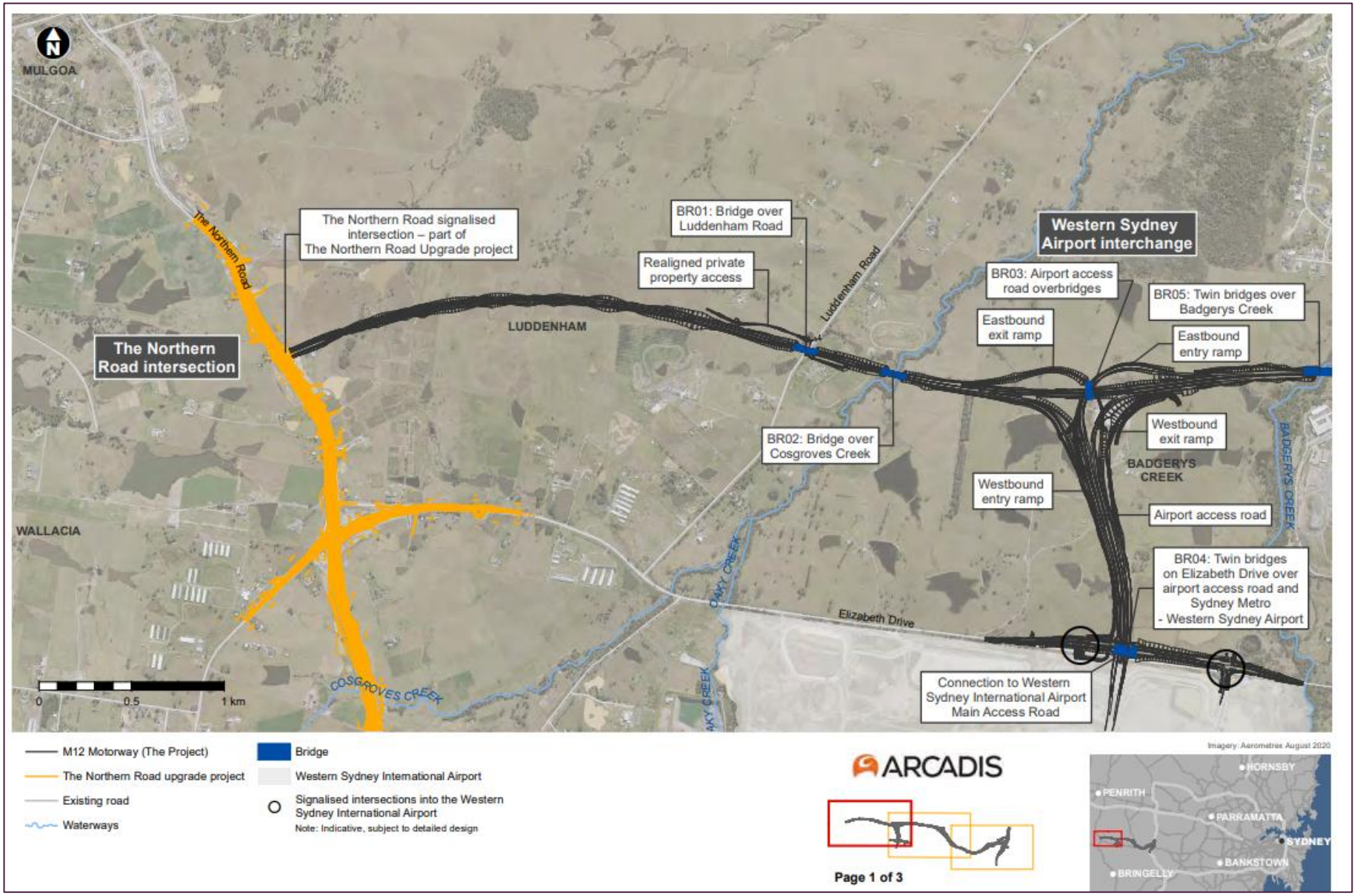


Figure 2-1 Keys features of the M12 Motorway West Project

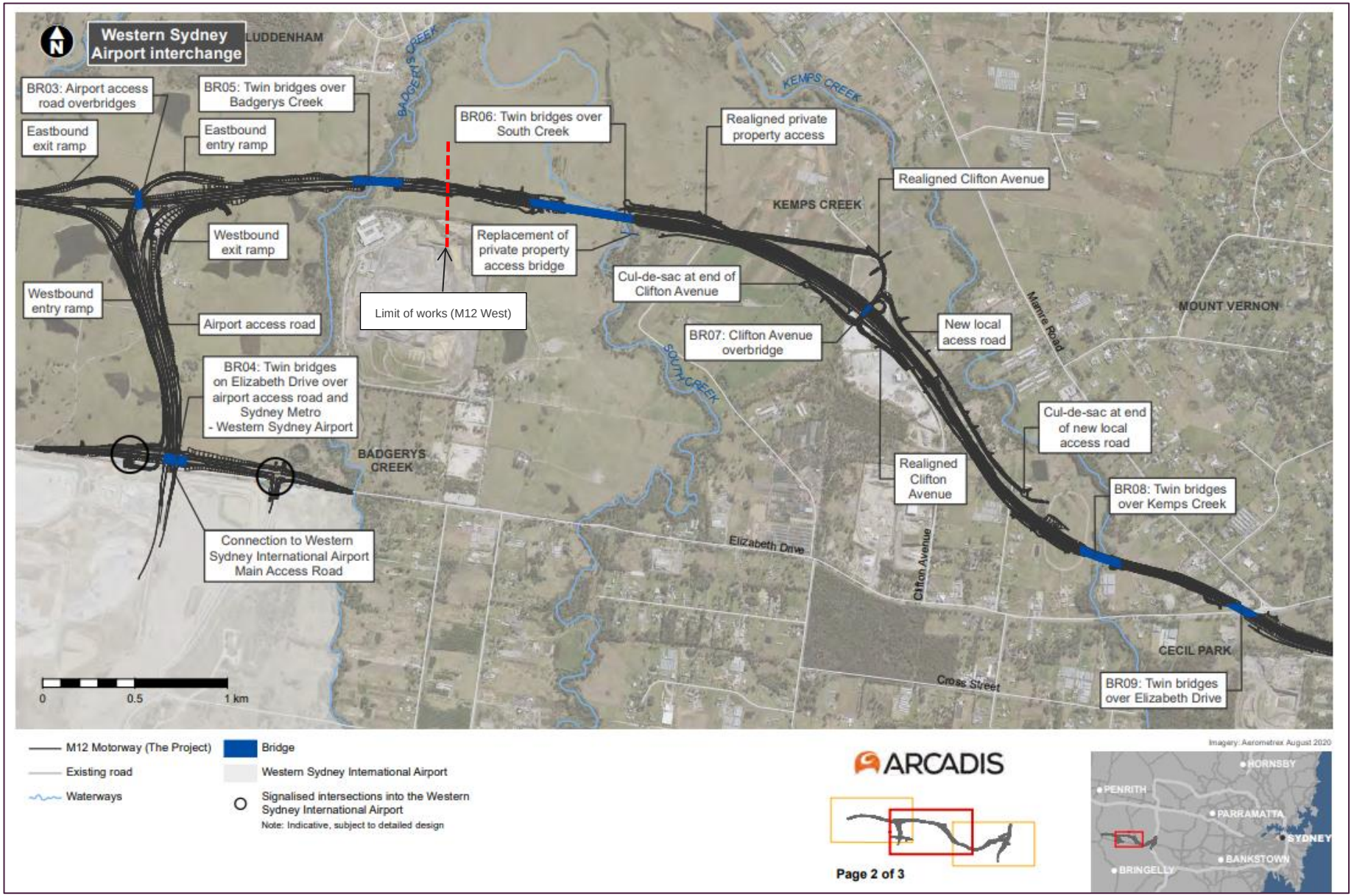


Figure 2-2 Keys features of the M12 Motorway West Project

3 Scope of this Report

TfNSW were issued an Environmental Protection Licence (EPL 21595) from the NSW Environment Protection Authority (EPA) on 21 March 2021 under Schedule 1 of the *Protection of the Environment Operations Act 1997* (POEO Act) for the M12 Motorway West package. This EPL was transferred to CPB Contractors Pty Limited on 17 June 2022.

The EPL applies to the works approved under the Infrastructure Approval SSI-9364 associated with the delivery of the M12 Motorway project.

This EPL Pollution Monitoring Report provides the results of all pollution monitoring required to be measured or monitored by the licensee of EPL 21595 as required by Section 66 of the *Protection of the Environment Operations Act 1997* (POEO Act) and with reference to EPA Publication Requirements for publishing pollution monitoring data (Environment Protection Authority, 2013).

Table 3-1 provides a summary of EPL 21595.

Table 3-1 Licence Details

Licence Details	
Number	21595
Copy of Licence	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=257133&SYSUID=1&LICID=21595
Anniversary Date	21 March
Licensee	CPB Contractors Pty Ltd
Premises	The M12 Motorway Project – West Package, Elizabeth Drive, Penrith NSW 2740
Scheduled Activity	Road Construction (>=50,000T & road to be constructed <10km)

4 Reporting Requirements

Under the POEO Act, holders of environment protection licences (licensees) must publish or make pollution monitoring data available to members of the public.

The POEO Act Section 66 requires

> "66 Conditions requiring monitoring, certification or provision of information, and related offences
>
> (1) Monitoring The conditions of a licence may require—
>
> (a) monitoring by the holder of the licence of the activity or work authorised, required or controlled by the licence, including with respect to—
>
> (i) the operation or maintenance of premises or plant, and
>
> (ii) discharges from premises, and
>
> (iii) relevant ambient conditions prevailing on or outside premises,
>
> and
>
> (iv) anything required by the conditions of the licence, and
>
> (b) the provision and maintenance of appropriate measuring and recording devices for the purposes of that monitoring, and
>
> (c) the analysis, reporting and retention of monitoring data.
>
> (2) False or misleading information A holder of a licence who supplies information, or on whose behalf information is supplied, to the appropriate regulatory authority under the conditions of the licence is guilty of an offence if the information is false or misleading in a material respect."

The primary objective of the pollution monitoring reporting requirements is that members of the public have access to the results of all pollution monitoring (which a licence specifies must be carried out) in a way that is meaningful to them. Data for the M12 Motorway West Works is presented on a monthly sampling period.

The monitoring data that must be published and/or made available on request is any data that is obtained as a result of a monitoring condition on a licence that relates to air, water (surface or groundwater), noise and/or land pollution. The data to be published or provided is limited to data that relates to pollutants generated, discharged or emitted from the licensed premises.

The data is provided in tabular format that is easy for the general public to understand. Tables definitively display raw data values, while graphs and charts are useful for overviews and visualisation of long-term trends. Raw data will be provided upon request.

An upfront note will be included on the licensee's website or in this report to explain why any data may appear to be missing because there is no discharge or the level of pollutant being below the detection level of the measurement instrument.

It's possible from time to time that incorrect data may get published in good faith. As soon as practicable after the licensee becomes aware that the published pollution monitoring data is incorrect or misleading, licensees must then publish a correction log to correct this data that is incorrect or misleading (refer to Section 6).

Table 4-1 provides a summary of the pollution monitoring requirements of EPL 21595

Table 4-1 EPL 21595 Pollution Monitoring Requirements

EPL Condition	Requirement	Report Reference
M5.1	Monitor and record temperature, humidity, wind direction, wind velocity and rainfall at either the project weather station, or through analysis of equivalent weather information obtained from the Australian Bureau of Meteorology.	Section 5.1 Appendix A1

EPL Condition	Requirement	Report Reference
L5.6	Monitoring to validate the noise predictions for works undertaken outside of the standard construction hours as per the construction noise impact assessment	Section 5.2 Appendix A2
M2.2	Discharge of pollutants to water from nominated discharge points	Section 5.3 Appendix A3
M4.4	Noise and vibration monitoring as directed by an authorised officer of the EPA	Section 5.2 Appendix A2
M7.6	Noise and vibration monitoring of noise and vibration complaints	Section 5.2 Appendix A2
L2.5	Discharge from sediment basins solely as a result of rainfall measured at the premise the rainfall depth value	Section 5.3 Appendix A3

5 Monitoring

Section 5 presents summaries of the monitoring programs completed in the reporting period from 01 November – 30 November 2025.

Detailed monitoring results for each program are presented in the Appendices.

5.1 Weather Monitoring

EPL Condition M5.1 requires the licensee to collect and store meteorological data. Meteorological observations are captured using the Bureau of Meteorology Weather Stations. Badgerys Creek (station 067108) is the closest and most applicable weather station for M12 West. Meteorological data for the month of November 2025 can be found within Appendix A1.

5.2 Noise and Vibration

Attended noise and/or vibration monitoring was not undertaken in the reporting period.

Noise and vibration monitoring was not directed by an authorized officer of the EPA in accordance with EPL condition M4.4 during the reporting period.

Zero (0) complaints pertaining to noise and vibration were received during the reporting period.

Real-time unattended noise monitoring is undertaken during day, evening, and night periods via SiteHive hex-anode located at the EDR/AAR (Elizabeth Drive) up to 21 November 2025. SiteHive was decommissioned on 21 November 2025.

No vibratory compaction activities have occurred within 50m of residential buildings during the reporting period, nor have any activities occurred within the safe working distances for cosmetic damage.

Table 5-1 provides a summary of attended noise and vibration monitoring events completed in the reporting period. Detailed unattended noise and vibration monitoring results from the SiteHive are presented in Appendix A2.

Table 5-1 Summary of Attended Noise and Vibration Monitoring During Reporting Period

Date	Monitoring Location	Description
-	-	Attended noise monitoring not conducted.

5.3 Discharge to Water

The EPL water discharge criteria apply to sediment basins referred to in EPL condition P1.3. The current active basins and discharge points are identified and located in the document titled " M12 Motorway West Sediment Basin Schedule 20251023" and maintained on electronic file EF21/13233. The active basins and discharge points during the reporting period are summarised in Appendix A3.

Table 5-2 provides a summary of the discharges by CPBGGJV at the current active monitoring/ discharge points that complied with condition L2.1. No dewatering from licence discharge points occurred during the reporting period. Where discharges have not occurred following rainfall, water has been extracted for dust suppression or utilised during construction activities, optimising beneficial re-use and minimising wastewater.

Table 5-2 Summary of manual Sediment Basin Discharges during Reporting Period

Sediment Basin ID	Date Tested	pH	Turbidity (NTU)	Visible grease or oil?	Date Discharged
-	-	-	-	-	Nil

Table 5-3 provides a summary discharge events that occurred solely as a result of rainfall measured at the premises exceeding the design rainfall depth value for the corresponding discharge point. There were no discharge events as a result of rainfall exceeding the design rainfall depth value during the reporting period. The month of November precipitation recorded a total of 57.8mm and temperatures average 28.8 degrees, sourced from BOM Badgerys Creek AWS (station 067108).

Table 5-3 Summary of natural Sediment Basin Discharges during Reporting Period

Sediment Basin ID	Date Discharged	Comments
-	-	No natural discharges in the reporting period.

6 Correction Log

It's possible from time to time that incorrect data may get published in good faith.

As soon as practicable after the licensee becomes aware that the published pollution monitoring data is incorrect or misleading, licensees must then publish a correction log to correct this data that is incorrect or misleading.

There are no matters included in the correction log for this reporting period.

Appendices

Appendix A1 – Weather Observations

BOM Badgerys Creek AWS – November 2025

Badgerys Creek, New South Wales
November 2025 Daily Weather Observations

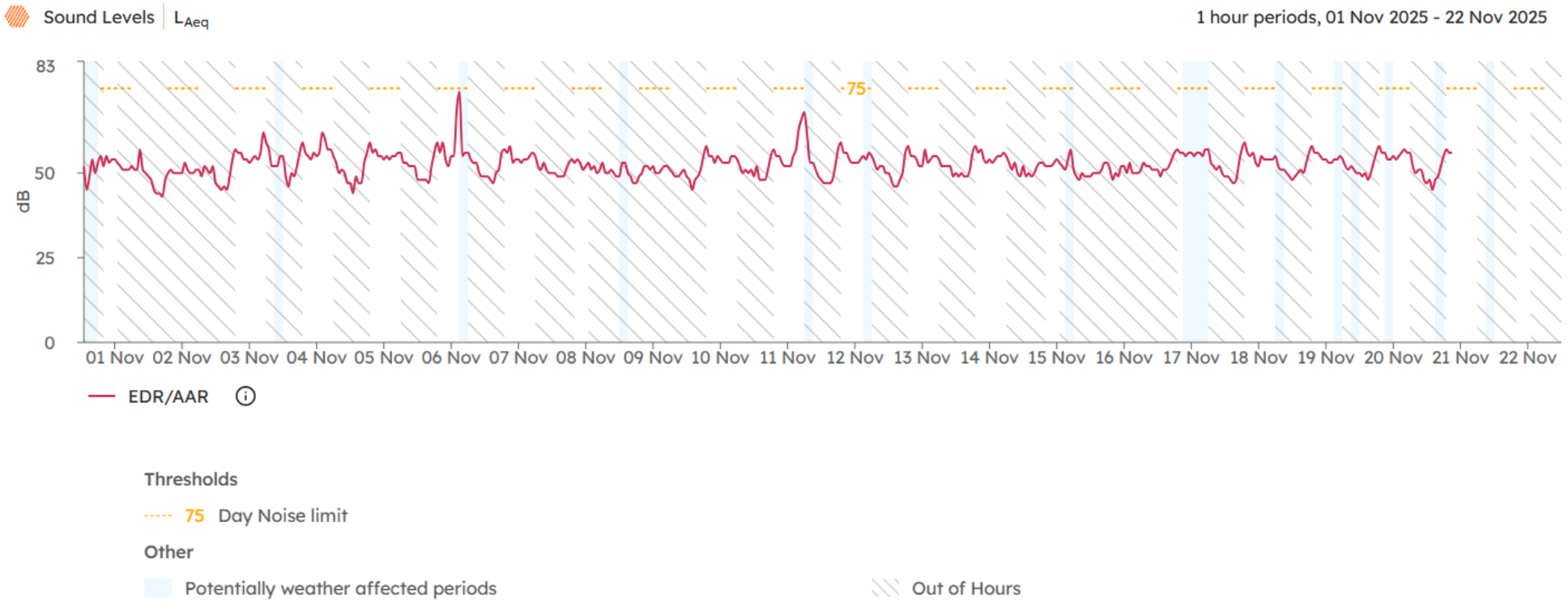
Australian Government
Bureau of Meteorology

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9am						3pm					
		Min	Max				Dirn	Spd	Time	Temp	RH	Cld	Dirn	Spd	MSLP	Temp	RH	Cld	Dirn	Spd	MSLP
		°C	°C	mm	mm	hours		km/h	local	°C	%	eighths		km/h	hPa	°C	%	eighths		km/h	hPa
1	Sa	14.2	23.1	18.8			WSW	41	01:55	19.6	83		N	7	1015.6	21.4	66		N	17	1013.8
2	Su	13.0	25.9	2.0			NE	22	14:16	18.9	81		WSW	4	1015.0	25.5	63		NNE	7	1011.1
3	Mo	16.6	33.3	0.2			WNW	69	15:13	20.0	100		NE	6	1005.3	32.2	47		N	15	999.2
4	Tu	15.2	22.1	11.8			WNW	102	12:08	19.5	48		NNW	15	1006.6	20.2	36		W	28	1006.8
5	We	8.9	26.7	1.0			SW	30	14:21	18.7	41		NW	7	1013.8	25.9	28		W	13	1011.8
6	Th	7.5	27.6	0			ENE	33	16:32	18.4	52		WNW	7	1019.1	26.2	34		ENE	9	1015.3
7	Fr	13.9	29.8	0			E	26	16:49	22.5	61		N	6	1012.7	28.8	37		NE	6	1008.6
8	Sa	15.5	34.6	0			N	54	11:51	20.4	79		N	9	1004.4	33.5	34		N	28	998.6
9	Su	14.1	24.1	0			SW	46	23:53	18.5	47		WSW	22	1010.2	22.0	47		ESE	15	1009.9
10	Mo	11.8	26.7	0			ENE	31	15:10	16.4	66		SE	4	1015.7	24.9	33		NE	9	1012.4
11	Tu	9.7	28.3	0			WSW	78	15:28	19.6	54		NE	4	1012.3	26.6	21		W	33	1008.1
12	We	5.6	25.4	0			SSW	39	13:46	19.0	21		WSW	7	1018.8	25.1	20		WSW	20	1014.8
13	Th	6.4	30.6	0			W	41	14:13	20.9	42		N	7	1013.9	29.0	16		WNW	20	1006.1
14	Fr	12.7	26.8	0			SE	39	15:23	19.4	65		SW	6	1010.3	25.5	48		E	22	1007.6
15	Sa	16.0	30.7	0			N	65	14:48	20.3	73		NNE	15	1010.4	23.1	79		NE	13	1004.1
16	Su	17.2	31.9	6.6			WNW	46	17:31	26.0	36		SW	4	1003.6	30.9	24		WNW	22	1000.0
17	Mo	13.2	24.0	0			SW	46	04:04	19.3	34		SW	22	1003.1	21.8	32		SW	15	1002.3
18	Tu	9.3	30.3	0			E	31	16:27	21.0	44		SW	13	1009.8	28.6	28		NNE	13	1006.0
19	We	11.6	34.9	0			E	37	16:07	22.8	45		WSW	4	1011.2	31.4	23		N	9	1007.0
20	Th	13.6	27.6	0			E	35	15:36	18.8	75			Calm	1011.3	21.4	64		SE	13	1011.7
21	Fr	14.3	20.0	0			S	26	03:53	15.1	88		WSW	13	1020.1	16.0	83		S	13	1020.7
22	Sa	15.1	21.5	1.4			E	24	11:21	19.7	78		WSW	6	1019.2	19.7	89		SE	4	1016.1
23	Su	17.4	33.6	16.0			WSW	44	15:23	19.9	100		W	7	1008.8	32.9	32		W	24	1003.3
24	Mo	14.4	27.9	0			ESE	35	13:18	23.3	59		SSE	6	1007.7	22.7	58		ESE	15	1005.7
25	Tu	15.3	33.6	0			WNW	30	15:53	20.0	69		NNE	6	1002.7	32.4	41		E	6	996.9
26	We	16.6	35.6	0			W	76	17:06	31.9	38		N	24	997.9	31.3	43		NNE	17	994.9
27	Th	13.1	32.4	0			WNW	57	09:36	27.8	27		NW	9	1001.6	31.2	19		W	22	1001.0
28	Fr	14.1	33.9	0			WNW	44	14:18	22.3	60		N	11	1009.4	33.3	18		NNW	17	1003.4
29	Sa	16.5	32.3	0			WSW	72	14:12	21.9	68		NNW	13	999.5	26.9	36		SW	52	998.8
30	Su	15.0	29.2	0			W	63	18:30	21.1	62		N	9	1006.4	28.1	23		WNW	28	1002.9
Statistics for November 2025																					
Mean		13.3	28.8							20.8	59			9	1009.9	26.6	40			17	1006.6
Lowest		5.6	20.0							15.1	21			Calm	997.9	16.0	16		SE	4	994.9
Highest		17.4	35.6	18.8			WNW	102		31.9	100		N	24	1020.1	33.5	89		SW	52	1020.7
Total				57.8																	

Observations were drawn from Badgerys Creek AWS {station 067108}

IDCJDW2005.202511 Prepared at 13:00 UTC on 7 Dec 2025

Appendix A2 – Noise Monitoring Results



Appendix A3 – Active Discharge Points

M12 Motorway West Temporary Sediment Basin Schedule 23 October 2025

Sediment Basin Sizing based upon "Soils and Construction - Volume 1 - 4th Edition - March 2004"

Revised Universal Soil Loss Equation (RUSLE) Coefficients:	
R=	2500
P=	1.3
C=	1

Settling Zone Parameters:				
Cv =	0.64			
R	%ile	80	85	
2 day	mm	15.0	20.3	Blacktown
5 day	mm	24.6	32.2	Blacktown
Rainfall Erosivity factor - From map given in Appendix B of Blue Book				
Based on Type D soils:				

Desilting and dewatering managed in accordance with approved CSWMP and EWMS.

All licenced discharge points are located at the spillway of the associated basin.

Discharge Criteria (EPL#21595 condition L2.4)	pH	Turbidity (NTU)	Oil and Grease
	6.5-8.5	50	Not visible

Basin Name	Basin Type	Chainage / Location	Date Constructed	Catchment area	Rainfall Intensity	Percentile	Design Rainfall Depth	Required Sediment Storage (soil) Volume	Required Settling (water) Volume	Required Total Volume	Non designed volume sump / excavation	Discharge Point Coordinates (MGA)		Active	Comments / Recommendations
				(ha)	day	%	mm	m³	m³	m³		Easting (m)	Northing (m)	Y/N	
SB10925E	T	10925	-	2.09	5	85	32.2	111	431	542	-	287112.160	6251486.779	N	Temporary sediment basin removed to facilitate permanent drainage and landscaping.
SB11150E	T	11150	-	3.19	5	85	32.2	203	657	860	-	287348.797	6251563.857	N	Temporary sediment basin removed to facilitate permanent drainage installation.
SB11655E	T	11655	-	1.29	5	85	32.2	96	266	362	-	287839.726	6251654.770	N	Temporary sediment basin removed to facilitate permanent drainage and landscaping.
SB12100E	T	12100	-	0.7	5	85	32.2	52	144	196	-	288271.213	6251666.295	N	Temporary sediment basin removed to facilitate permanent drainage and landscaping.
SB12500E	T	12500	-	0.75	5	85	32.2	60	155	215	-	288739.035	6251618.550	N	Temporary sediment basin removed to facilitate permanent drainage and landscaping.
SB12550E	T	12550	-	3.0	5	85	32.2	222	618	840	-	288700.547	6251608.234	N	Basin removed to facilitate final design.
SB13000W	T	13000	-	1.25	5	85	32.2	93	258	351	-	289207.554	6251436.058	N	Temporary sediment basin removed to facilitate permanent drainage and landscaping. Runoff will be captured in SB13350W downslope east.
SB13350W	T	13350	-	2.37	5	85	32.2	176	488	564	-	289547.743	6251336.070	N	Temporary sediment basin removed to facilitate final design

M12 Motorway West Temporary Sediment Basin Schedule 23 October 2025

Basin Name	Basin Type	Chainage / Location	Date Constructed	Catchment area	Rainfall Intensity	Percentile	Design Rainfall Depth	Required Sediment Storage (soil) Volume	Required Settling (water) Volume	Required Total Volume	Non designed volume sump / excavation	Discharge Point Coordinates (MGA)		Active	Comments / Recommendations
				(ha)	day	%	mm	m³	m³	m³		Easting (m)	Northing (m)	Y/N	
															of drainage and revegetation. All permanent drainage and subsoils are installed on alignment.
SB13800E	P	13800	-	1.61	5	85	32.2	119	332	451	-	289945.705	6251275.233	N	Permanent construction of bio retention basin completed. Revegetation around basin well established.
SB13825W	T	13825	-	1.11	5	85	32.2	82	229	311	-	289953.598	6251216.021	N	Temporary basin removed to accommodate construction of batter, revegetation, and clean water drainage line.
SB14550A	T	14550	-	2.23	5	85	32.2	142	460	602	-	290719.632	6251247.275	N	Temporary basin to be removed to allow for permanent drainage and revegetation. Adjacent ramp to be chip sealed and water to be diverted to SB14650B.
SB14650A	T	14650	-	3.99	5	85	32.2	254	822	1076	-	290770.284	6251255.682	N	Temporary basin to be removed to allow for permanent drainage and revegetation. Adjacent ramp to be chip sealed and water to be diverted to SB14650B.
SB14650B	T	14650B	-	1.6	5	85	32.2	58	330	388	-	290803.487	6251202.105	N	Temporary basin to be removed to allow for revegetation and permanent design. As area is being stabilised, bunds, flowlines and checks to be implemented prior to rainfall.
SB14650C	T	14650	-	12.07	5	85	32.2	769	2487	3256	-	290810.182	6251033.341	N	Temporary basin removed to allow for permanent drainage and revegetation.
SB15800W	P	15800	-	11.39	5	85	32.2	844	2347	3191	-	291918.834	6251141.427	N	Permanent construction of bio retention basin completed. Revegetation around basin well established.
SB15900S	T	15900	-	0.98	5	85	32.2	73	202	275	-	292033.039	6251179.298	N	Temporary basin removed to allow for permanent drainage and revegetation.
SB16500E	P	16500	-	1.59	5	85	32.2	101	328	429	-	292648.484	6251264.859	N	Permanent construction of bio retention basin completed. Revegetation around basin well established.
SB1629	T	1629	-	1.42	5	85	32.2	9	103	112	-	291340.049	6250482.677	N	Temporary basin removed to allow for construction to occur.
SB1700	T	1700	-	1.74	5	85	32.2	105	293	398	-	291348.192	6250344.778	N	Temporary basin removed to allow for construction to occur.
SB2150	T	2150	-	2.93	5	85	32.2	67	604	671	-	291445.615	6249899.417	N	Temporary basin removed to allow for construction to occur.
SB125	T	125	-	2.19	2	85	32.2	22	285	307	-	291223.210	6249814.564	N	Temporary basin removed to allow for construction to occur.
SB1600	P	1600	-	10.34	5	85	32.2	766	2131	2897	-	292135.594	6249645.845	N	Permanent construction of bio retention basin completed. Revegetation around basin well established.

M12 Motorway West Temporary Sediment Basin Schedule 23 October 2025

Basin Name	Basin Type	Chainage / Location	Date Constructed	Catchment area	Rainfall Intensity	Percentile	Design Rainfall Depth	Required Sediment Storage (soil) Volume	Required Settling (water) Volume	Required Total Volume	Non designed volume sump / excavation	Discharge Point Coordinates (MGA)		Active	Comments / Recommendations
				(ha)	day	%	mm	m³	m³	m³		Easting (m)	Northing (m)	Y/N	
SB400	T	400	-	6.29	5	85	32.2	78	1296	1374	-	290981.690	6250899.794	N	Temporary basin to be removed to allow for permanent drainage. installation. SB 14650C down gradient to catch water runoff.
SB600	T	600	-	3.65	5	85	32.2	64	752	816	-	291211.273	6249866.184	Y	
SB16200E	P	16200		3.02	5	85	32.2	73	202	275		292307.35	6251295.47	N	Permanent construction of bio retention basin completed. Revegetation around basin well established.
SB14100E	P	14100		3.67	5	85	32.2	195	756	951		290227.02	6251261.44	N	Permanent construction of bio retention basin completed. Revegetation around basin well established.
AF02 Stage 1	T	AF02	20/08/2022	5.14	5	85	32.2	90	1059	1149	-	291013.354	6249852.803	N	Basin removed to facilitate final design.
AF02 Stage 2	T	AF02	-	3.65	5	85	32.2	64	752	816	-	291247.773	6249848.331	N	Basin removed to facilitate final design.
AF02 Stage 2 Laydown	T	AF02	01/09/2022	1.58	5	85	32.2	36	326	362	-	290998.102	6250129.015	N	Basin removed to facilitate final design.
AF11 Stage 1	T	AF11		1.36	5	85	32.2	17	280	297	-	-	-	N	Not constructed – not required.
AF11 Stage 2	T	AF11		2.21	5	85	32.2	85	455	540	-	-	-	N	Not constructed – not required.
SB Dam 9 Footprint	T	AF02		13	5	85	32.2	227	2679	2906		291629.729	6249868.001	N	Basin handed over to SCAW Project.
SB Dam 7	T	375	-	3.6	5	85	32.2	59	742	801	-	291211.266	6250076.915	N	Temporary basin to be removed to allow for final design grading and vegetation.

Notes:

- T – Temporary Sediment Basin (Type D)
- P – Permanent Sediment Basin (Type D)