EPL 21595
Pollution Monitoring Report
May 2024
M12 Motorway West

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Document Approval

Rev.	Date	Prepared by	Reviewed by	Approved by	Remarks
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Signature:		Vedanth Anand			

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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 approximately 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 the construction of a new approximately 6km of dual carriageway motorway predominantly through a 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 an 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.

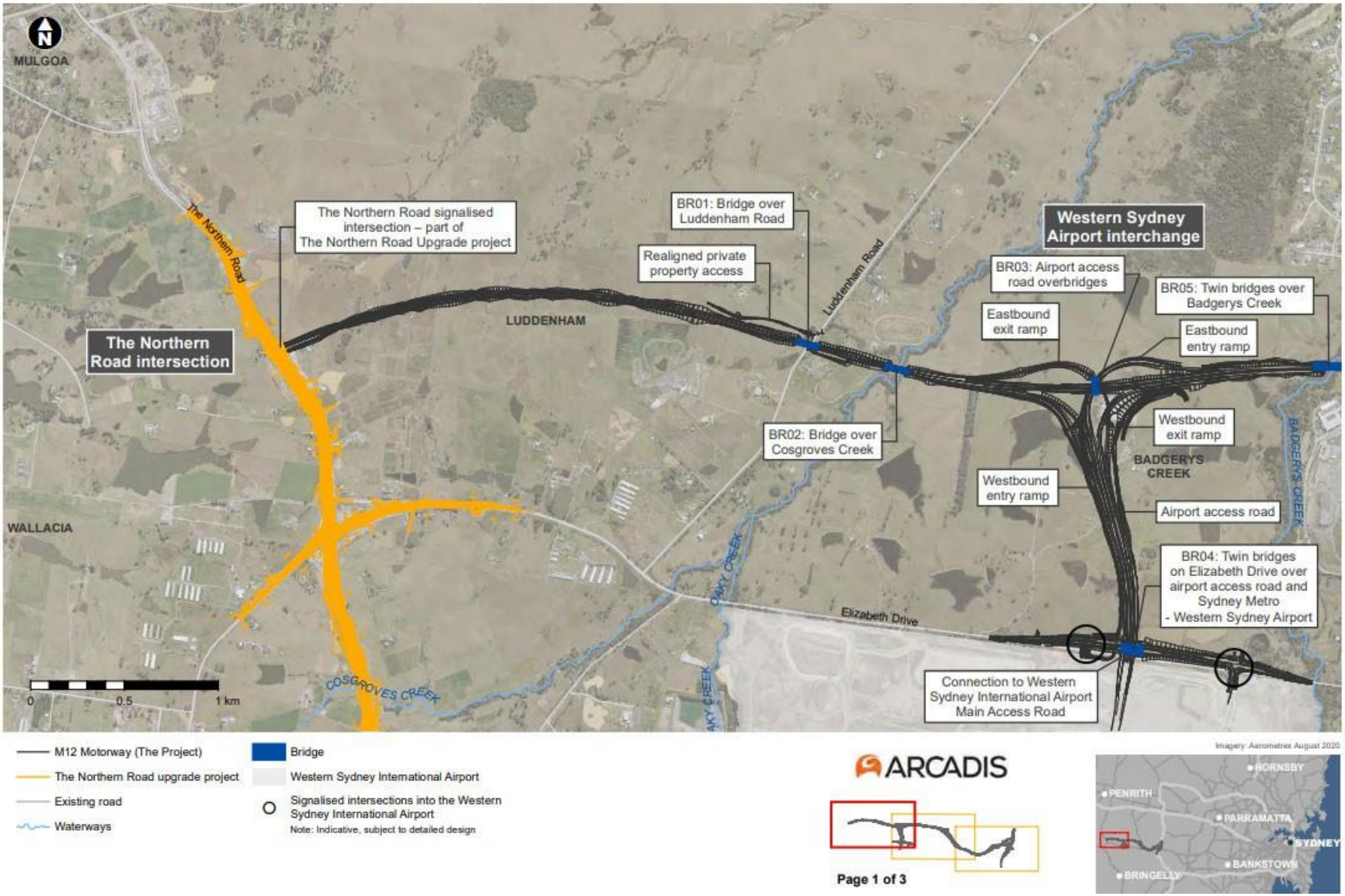


Figure 2-1 Keys features of the M12 Motorway West Project

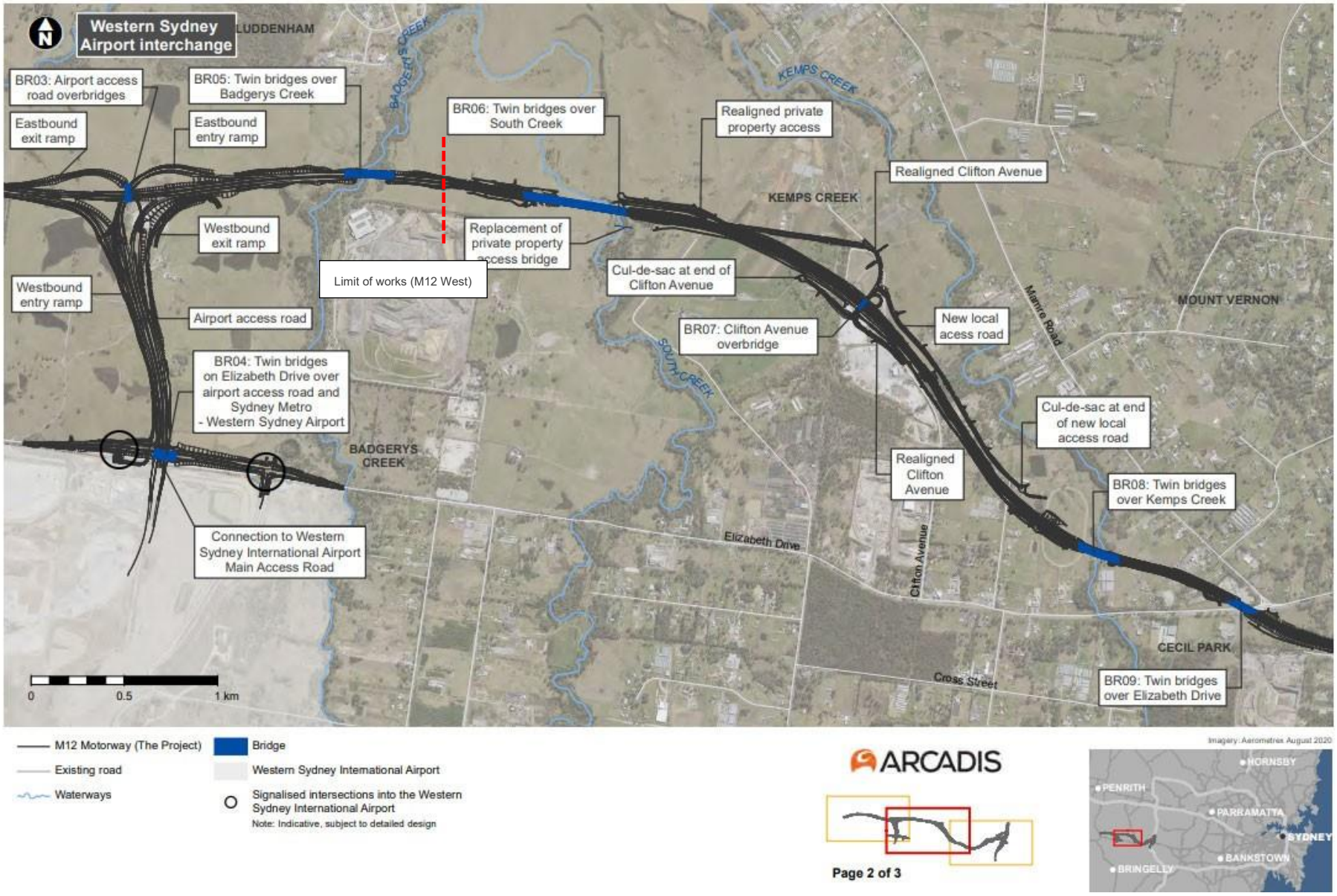


Figure 2-2 Keys features of the M12 Motorway West Project

3 Scope of this Report

Transport for New South Wales (TfNSW) were issued an Environmental Protection Licence (EPL No. 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 the pollution monitoring requirements 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 below provides a summary of the pollution monitoring requirements of EPL 21595.

Table 4-1 EPL No. 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
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

EPL Condition	Requirement	Report Reference
M2.2	Discharge of pollutants to water from nominated discharge points	Section 0 Appendix A3
M4.4	Noise and vibration monitoring as directed by an authorised officer of the EPA	Section 5.2 AppendixA2
M7.6	Noise and vibration monitoring of noise and vibration complaints	Section 5.2 AppendixA2
L2.5	Discharge from sediment basins solely as a result of rainfall measured at the premise of the rainfall depth value	Section 0 Appendix A3

5 Monitoring

Section 5 presents summaries of the monitoring programs completed in the reporting period from 1st May 2024 – 31st May 2024.

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

5.1 Weather Monitoring

EPL Condition M 5.1 requires CPB to collect and store meteorological data. Meteorological data is not considered to be pollution data and therefore does not have to be published. However, the meteorological data is published with the pollution monitoring data to provide additional context to the water discharge pollution.

The meteorological observations are based on Badgerys Creek AWS (station 067108) and supported by M12 West AWS observations from 1st May 2024 – 31st May 2024.

The total rainfall (days with >1mm of rain) for the reporting period of April was 50.4 mm with ten (10) rain days.

Detailed weather observations are presented in Appendix A-1.

A summary of the reporting period's monthly meteorological observations is summarised in Table 5-1. A comparison between long-term monthly means and recorded values can be found in Figure 5-1 for rainfall.

Table 5-1 Weather Summary and Trigger Weather Events during May 2024

Weather Event – April 2024	M12W Project AWS	Badgerys Creek BOM AWS*
Minimum temperature	4.32 °C	3.8 °C
Maximum temperature	23.33 °C	24.2 °C
Total Rainfall	86.6 mm	50.4 mm
Number of days with rain (>1mm)	9 days	10 days
>25km/hr wind	12 days	11 days
>50km/hr wind	1 day	1 day

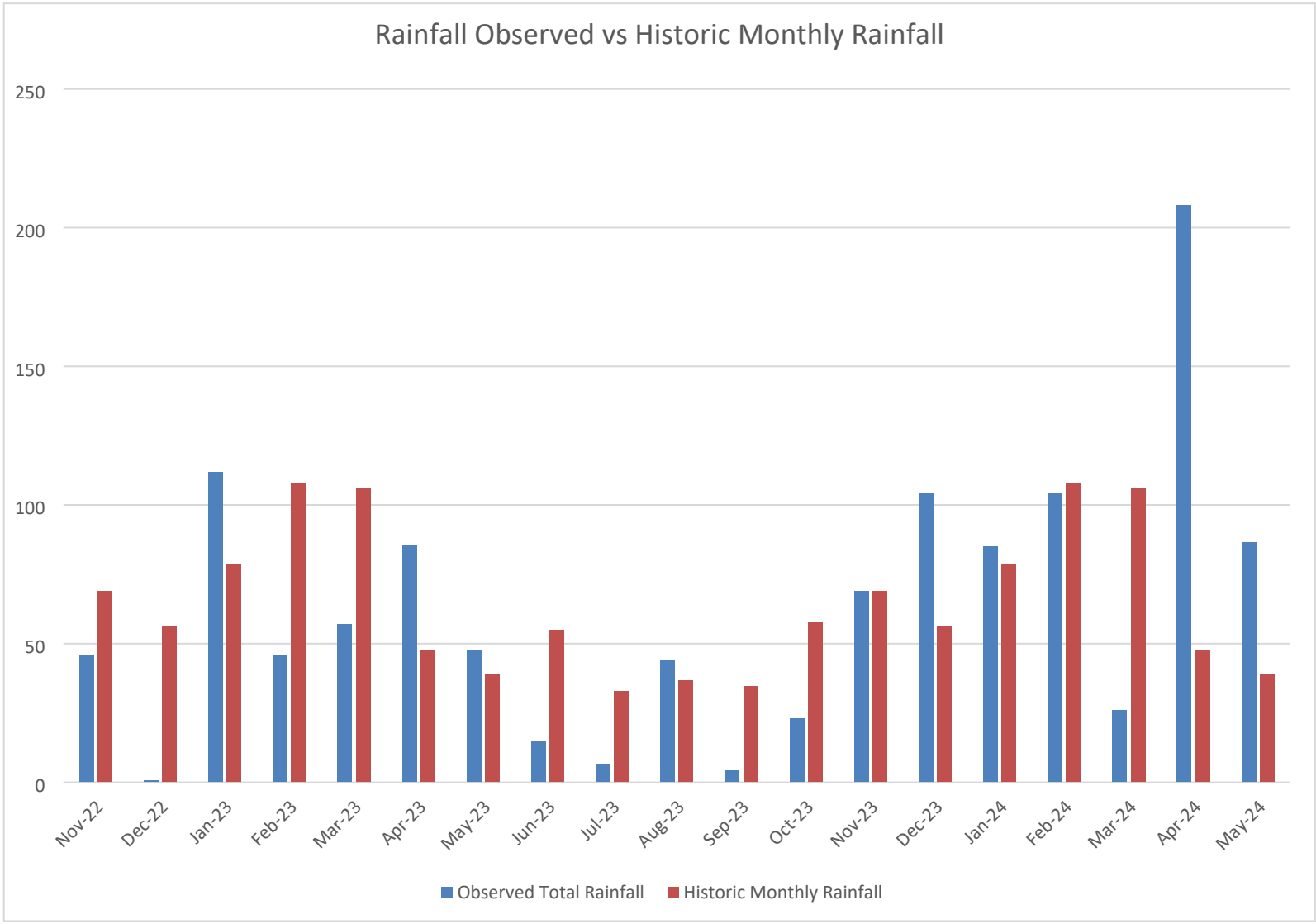


Figure 5-1 Rainfall received compared to historic monthly averages (Source BOM & M12 West AWS)

5.2 Noise and Vibration

Attended noise monitoring was conducted for out of hours works, in accordance with EPL condition L5.6 during the reporting period. Two validation noise assessments were required for out of hours works, in accordance with EPL condition L5.5 (d). The noise monitoring results are outlined below in Table 5.1 and detailed noise and vibration monitoring results are presented in Appendix A2.

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

No complaints pertaining to noise or vibration were received during the reporting period to required investigation/ verification monitoring, in accordance with EPL condition M7.6.

Real-time unattended noise monitoring is undertaken during day, evening, and night periods via SiteHIVE hexanode locations at main alignment (Luddenham Road) and EDR/AAR (Elizabeth Drive). Noise monitoring results capture a range of activities including utilities/drainage, earthworks, piling, concreting, paving, landscaping/revegetation, and bridge works. No exceedances of the Highly Noise Affected criteria of 75dB(A) or predicted levels occurred during construction within the reporting period. Main alignment real time noise and dust monitor was offline between 24 – 26 May 2024 due to equipment malfunction. Connection was reestablished following a technician attending the site.

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 Summary of Attended Noise Monitoring during May 2024

Date	Monitoring Location	Description
17/05/24	CRCP Audible Works Mainline	The dominant noise source was ambient noise such as traffic, insect chorus, and animals. The soff cut works were not audible during the noise monitoring session, indicating that noise impacts and exceedances above NML to the nearest receiver were due to ambient noise sources
27/05/24	CRCP Audible Works Mainline	The dominant noise source was ambient noise such as traffic, insect chorus, and animals. The soff cut works were slightly audible however, to the human ear, it was a soft hum often out competed by the dominant background noise sources such as traffic in the area as well as continuous insect chorus. This indicated that noise impacts and exceedances above NML to the nearest receiver were primarily due to ambient noise sources

5.3 Discharge to Water

The EPL discharge criteria apply to the sediment basins referred to in condition P1.3 are the active basins and discharge points identified and located in the document titled "M12 Motorway West Sediment Basins Schedule 01 March 2024" 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 P1.3. There were a total of seven (7) discharges from these points during the reporting period.

Table 5-2 Summary of Sediment Basin Discharges during May 2024

Sediment Basin ID	Date Tested	pH	Turbidity	Visible grease or oil?	Date Discharged
SB14650B	14/05/2024	8.15	49.6	No Visible Oil or Grease	14/05/2024
SB1600	14/05/2024	8.36	37.4	No Visible Oil or Grease	14/05/2024
SB13825W	14/05/2024	7.85	14.65	No Visible Oil or Grease	15/05/2024
SB15800W	15/05/2024	8.16	32.1	No Visible Oil or Grease	15/05/2024
SB14650C East	21/05/2024	8.1	29.8	No Visible Oil or Grease	21/05/2024
SB14650C West	21/05/2024	8.03	27.2	No Visible Oil or Grease	21/05/2024
SB400	22/05/2024	7.98	39.8	No Visible Oil or Grease	22/05/2024

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

Badgerys Creek AWS #067108 – May 2024

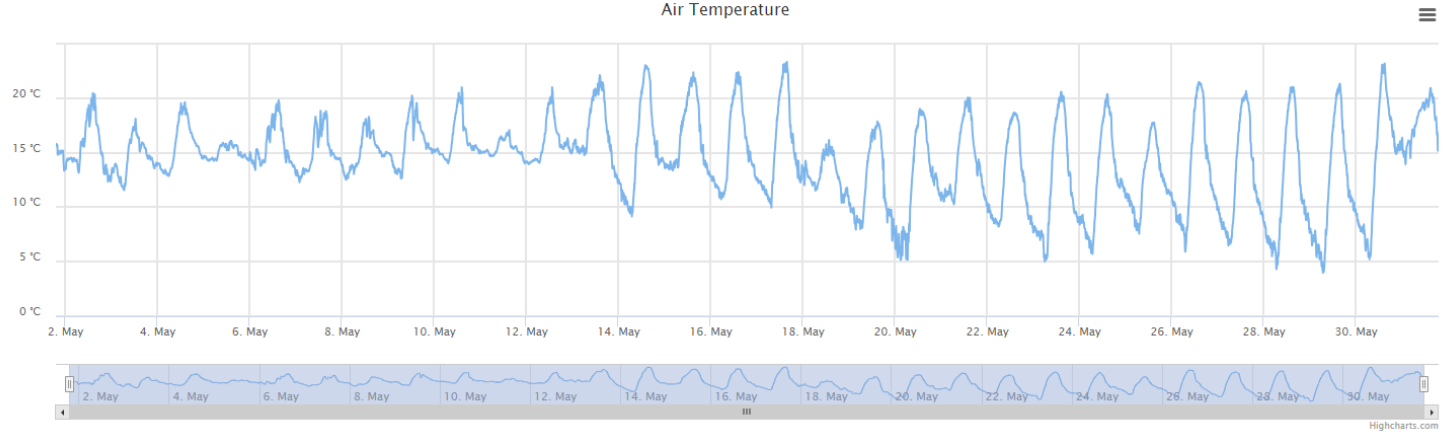
Badgerys Creek, New South Wales
May 2024 Daily Weather Observations

Date	Day	Temps Min	Temps Max	Rain	Evap	Sun	Max wind gust Dir	Max wind gust Spd	Max wind gust Time	9 am Temp	9 am RH	9 am Cld	9 am Dir	9 am Spd	9 am MSLP	3 pm Temp	3 pm RH	3 pm Cld	3 pm Dir	3 pm Spd	3 pm MSLP
		°C	°C	mm	mm	hours		km/h	local	°C	%	8th		km/h	hPa	°C	%	8th		km/h	hPa
1	We	13.1	21.1	0			SSW	31	08:58	16.3	61		SSW	22	1030.8	19.8	51		SSE	17	1028.7
2	Th	12.6	20.7	0			ESE	24	15:41	16.1	70		SW	4	1032.1	18.4	66		WNW	4	1029.3
3	Fr	11.1	19.0	0.2			SSW	26	12:37	15.5	83		SW	11	1030.2	15.2	95		SSW	7	1027.4
4	Sa	12.3	20.1	2.8			SSE	20	13:00	15.0	95		WSW	7	1025.8	18.9	67		ESE	7	1022.1
5	Su	13.9	16.5	4.8			SSW	39	12:13	15.3	97		SW	7	1022.7	15.1	87		SSW	19	1021.5
6	Mo	13.4	20.4	4.8			SSW	44	04:04	16.4	83		SW	22	1027.7	18.9	57		SSE	20	1028.3
7	Tu	12.3	20.0	3.4			S	31	16:07	17.9	80		WSW	9	1031.3	17.6	83		SW	9	1029.2
8	We	12.5	18.8	2.2			SE	22	14:09	13.9	99		ENE	4	1031.8	16.3	100		SE	4	1029.1
9	Th	12.2	21.0	9.0			ENE	24	12:57	18.3	85		SSE	2	1032.2	18.9	77		SSW	7	1029.9
10	Fr	13.8	21.1	1.6			SE	15	00:12	17.3	87		SSW	6	1030.8	16.6	92		E	4	1027.9
11	Sa	14.4	17.0	3.8			SE	24	15:22	15.4	100		SW	7	1027.1	16.5	100		ESE	7	1024.0
12	Su	13.8	21.2	16.6			SSW	35	14:10	17.0	82		SW	11	1021.1	17.0	77		SSW	19	1018.5
13	Mo	14.8	22.0	1.0			SW	41	09:06	19.4	70		SSW	22	1020.3	21.7	64		SW	17	1019.5
14	Tu	8.1	23.2	0			S	20	14:40	14.2	93		Calm		1025.6	21.8	46		S	7	1024.3
15	We	12.4	22.1	0			NNE	19	11:59	16.5	78		WSW	6	1029.8	21.5	59		NNE	7	1025.8
16	Th	10.2	22.6	0			N	15	15:01	17.6	78		WSW	7	1030.0	19.5	63		N	9	1026.6
17	Fr	9.7	24.2	0			SW	13	21:00	13.4	100		W	6	1025.5	23.1	49		WSW	4	1020.2
18	Sa	11.1	16.1	0			SW	50	10:23	12.3	55		SW	22	1024.0	15.1	54		SSW	26	1023.1
19	Su	7.2	17.9	0			SW	31	09:49	12.1	56		SW	22	1023.0	17.5	41		SW	9	1019.5
20	Mo	5.0	19.5	0			SSW	30	10:27	12.6	59		SW	17	1023.5	16.8	53		S	11	1022.9
21	Tu	10.2		0						14.7	61		WSW	17	1027.8	18.9	53		SE	9	1025.1
22	We	8.4	18.9				SW	26	10:05	15.0	60		SW	15	1027.4	18.4	45		SW	9	1024.0
23	Th	4.8	21.1	0.2			E	15	17:52	11.0	84		SW	6	1027.9	19.7	43		W	6	1025.8
24	Fr	5.9	20.6	0			ESE	13	16:53	14.6	72		Calm		1027.6	18.9	53		NE	4	1025.1
25	Sa	7.0	18.4	0			S	9	04:35	11.8	100		SSE	2	1028.9	16.1	73		Calm		1025.7
26	Su	6.5	21.5	0			WSW	24	13:48	11.8	100		NW	2	1026.2	21.1	44		SSW	9	1022.6
27	Mo	5.8	21.0	0			SW	24	13:15	14.9	74		SW	4	1025.8	19.0	46		S	4	1024.2
28	Tu	4.6	21.6	0			WSW	11	21:45	9.7	100		S	4	1029.0	20.6	49		NE	7	1026.1
29	We	3.8	21.4	0			NE	13	13:00	9.3	100		Calm		1029.6	20.9	48		NE	4	1025.6
30	Th	4.7	23.0	0			NNE	22	14:28	10.4	100		WSW	2	1026.8	21.3	56		NNE	6	1022.8
31	Fr	10.3	20.3	0			NNE	30	08:57	18.4	66		NNE	22	1017.4	20.0	69		NNW	7	1014.7
Statistics for May 2024																					
Mean		9.9	20.4							14.6	81			9	1027.1	18.7	63			9	1024.5
Lowest		3.8	16.1	0						9.3	55		Calm		1017.4	15.1	41		Calm		1014.7
Highest		14.8	24.2	16.6			SW	50		19.4	100		#	22	1032.2	23.1	100		SSW	26	1029.9
Total				50.4																	

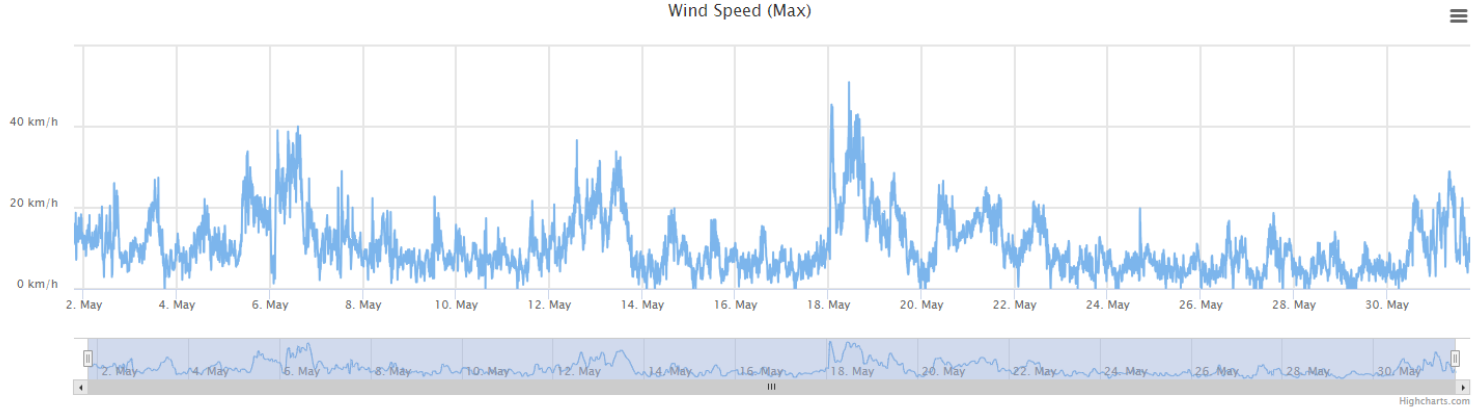
IDCJDW2005.202405 Prepared at 13:00 UTC on Sunday 2 June 2024

Rain Total

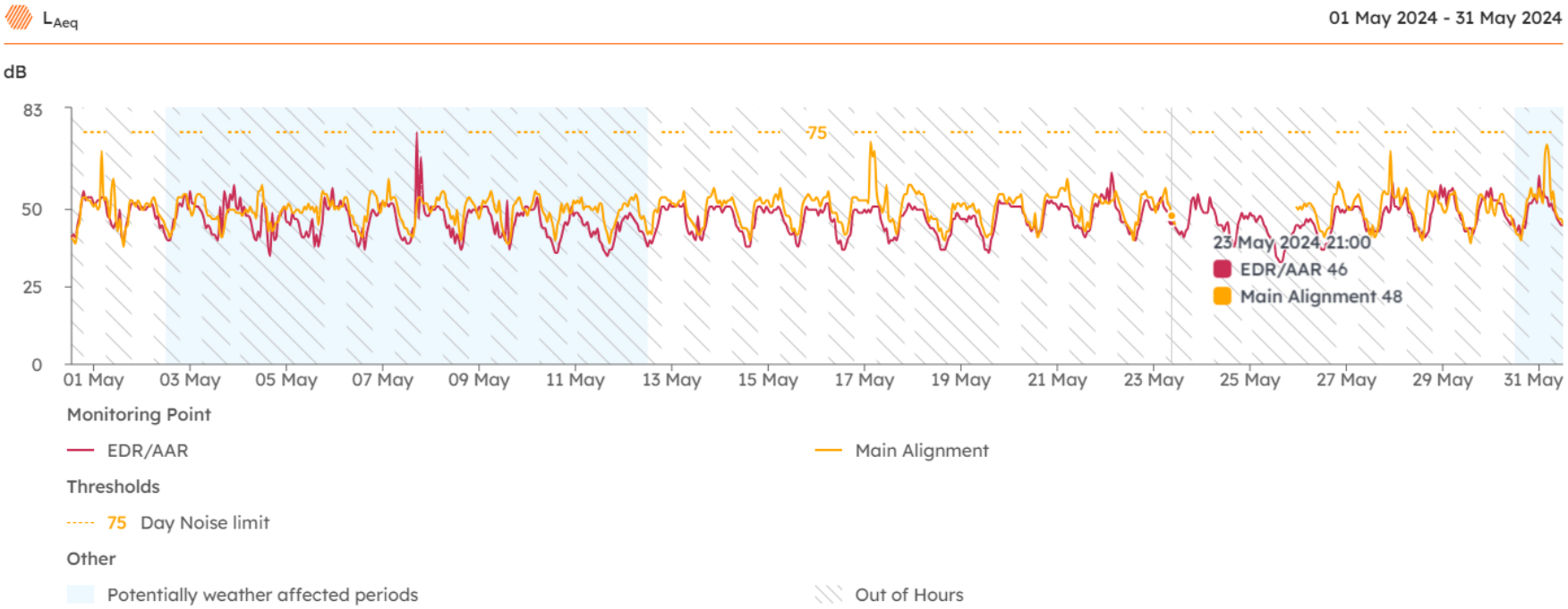
Air Temperature



Wind Speed (Max)



Appendix A2 – Noise and Vibration Monitoring Results



Note: Main Alignment real time noise monitor was offline between 24 May and the 26 May 2024 due to the solar panel of the monitor not receiving enough sunlight to produce the desired voltage.

Appendix A3 – Active Discharge Points

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.
Basins removed from the licence (and onsite) are shown with the font strikethrough option used.

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	Y	

M12 Motorway West Temporary Sediment Basin Schedule 22 January 2024

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	
SB13800E	T	13800	-	1.61	5	85	32.2	119	332	451	-	289945.705	6251275.233	Y	
SB13825W	T	13825	-	1.11	5	85	32.2	82	229	311	-	289953.598	6251216.021	Y	
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	Y	
SB14650C	T	14650	-	12.07	5	85	32.2	769	2487	3256	-	290810.182	6251033.341	Y	
SB15800W	T	15800	-	11.39	5	85	32.2	844	2347	3191	-	291918.834	6251141.427	Y	
SB15900S	T	15900	-	0.98	5	85	32.2	73	202	275	-	292033.039	6251179.298	Y	
SB16500E	T	16500	-	1.59	5	85	32.2	101	328	429	-	292648.484	6251264.859	Y	
SB1629	T	1629	-	1.42	5	85	32.2	9	103	112	-	291340.049	6250482.677	Y	
SB1700	T	1700	-	1.74	5	85	32.2	105	293	398	-	291348.192	6250344.778	Y	
SB2150	T	2150	-	2.93	5	85	32.2	67	604	671	-	291445.615	6249899.417	N	Temporary basin removed to allow for permanent 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 permanent construction to occur
SB1600	T	1600	-	10.34	5	85	32.2	766	2131	2897	-	292135.594	6249645.845	Y	
SB400	T	400	-	6.29	5	85	32.2	78	1296	1374	-	290981.690	6250899.794	Y	
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	Y	
SB14100E	P	14100		3.67	5	85	32.2	195	756	951		290227.02	6251261.44	Y	
AF02 Stage 1	T	AF02	20/08/2022	5.14	5	85	32.2	90	1059	1149	-	291013.354	6249852.803	Y	
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	Y	
AF11 Stage 1	T	AF11		1.36	5	85	32.2	17	280	297	-	-	-	N	Not yet constructed
AF11 Stage 2	T	AF11		2.21	5	85	32.2	85	455	540	-	-	-	N	Not yet constructed
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	Y	

T – temporary sediment basin (Type D) | P – permanent sediment basin (Type D)