



ASPECT INDUSTRIAL ESTATE SSD 10448

Construction Compliance Report

NOV 2022

(Prepared for MIRVAC Projects Pty Ltd)

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Document control

Application Number :		SSD 10448	
File Name		22004- RPT-CCR1-0-DATE	
Document title		Aspect Industrial Estate Construction Compliance Report	
Document reference	Date	Prepared by	For
22004- RPT-CCR1-0-20221811	18/11/2022	Carl Vincent	Review

	Name of Person making declaration in Appendix A
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Acronym Glossary

AQMP (CAQMP)	(Construction) Air Quality Management Plan
CC	Construction Certificate
CCR	Construction Compliance Report
CCS	Community Communication Strategy
CEMP	Construction Environmental Management Plan
COC	Conditions of Consent
DA	Development Application
DCP	Development Control Plan
DECCW	Department of Environment Climate Change and Water
DPE	Department of Planning and Environment
DPIE	Department of Planning Industry and Environment
EIS	Environmental Impact Statement
ENM	Excavated Natural Material
EPA	Environment Protection Authority
EP&A Act	Environmental Planning and Assessment Act (1979)
ER	Environmental Representative
ESCP	Erosion and Sediment Control Plan
FFMP	Flora and Fauna Management Plan
FIP	Fill Importation Protocol
GLA	Gross Lettable Area
GMP	Ground Water Management Plan
ICNG	NSW Interim Construction Noise Guideline
LMP	Landscape Management Plan
NCC	National Construction Code
NML	Noise Management Levels
NRAR	Natural Resource Access Regulator
NVMP (CNVMP)	(Construction) Noise and Vibration Management Plan
OC	Occupation Certificate
OEH	Office of Environment and Heritage

OEMP	Operational Environmental Management Plan
OWE	Oakdale West (Industrial) Estate
PCC	Penrith City Council
PCCR	Pre-Construction Compliance Report
RMS	Roads and Maritime Service
RTS	Response to Submissions
SSD	State Significant Development
TfNSW	Transport for NSW
TMP (CTMP)	(Construction) Traffic Management Plan
VENM	Virgin Excavated Natural Material
WAD	Works as Designed
WAE	Works as Executed
WHS	Work Health and Safety
WIK	Works in Kind
WMP	Waste Management Plan
WNSLR	Western North South Link Road
WSFL	Western Sydney Freight Line

1 Executive Summary

This Construction Compliance Report is written in accordance with the Compliance Reporting Post Approval Requirements (Department of Planning Industry and Environment MAY 2020) & Requirements of Condition of Approval E14 for SSD 10448.

This document has been submitted in accordance with the timeframes set out in Condition E14 of SSD 10448.

1.1 Compliance Reporting

- E14. Within three months after the commencement of construction of the Stage 1 Development, and in the same month each subsequent year (or such other timing as agreed by the Planning Secretary) for the duration of construction works, the Applicant must submit a Compliance Report to the Department reviewing the environmental performance of the development to the satisfaction of the Planning Secretary. Compliance Reports must be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) and must also:
- (a) identify any trends in the monitoring data over the life of the development;
 - (b) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and
 - (c) describe what measures will be implemented over the next year to improve the environmental performance of the development.

2 Introduction

The following information is taken from the Development Consent for SSD 10448.

2.1 Project Name and Application Number

Project Name: Aspect Industrial Estate.

Application Number: SSD 10448.

2.2 Modifications to SSD 10448

Table 1 below provides a summary of the modifications to the SSD since it first approval was issued 24th MAY 2022.

Table 1 Planning Approval and Subsequent Modifications.

Issue	Date	Description
SSD 103448	24 MAY 2022	Project Approval
Mod 1	25 AUGUST 2022	Modification to include additional conditions required by TfNSW for SSD-10448

This Construction Compliance Monitoring Report has been prepared against the Consolidated Consent provided below dated at 25 August 2022 and includes the Modified Conditions for the above Consent Modifications.

<https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-10448!20220531T074512.635 GMT>

<https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-10448-MOD-1%2120220825T063334.694%20GMT>

2.3 Purpose of this Report

This report is the **Construction Compliance Report 1 prepared within 3 months of commencement of construction** as required by Condition E14 of SSD 10448.

This report has been prepared and structured to address the relevant Conditions of Consent (CoCs) for the Aspect Industrial Estate SSD 10448 planning approval.

Table 2 cross-references sections in this report that address the planning approval requirements applicable to compliance reporting.

Table 2 Planning Approval Requirements.

Condition	
D14	<p>Within three months after the commencement of construction of the Stage 1 Development, and in the same month each subsequent year (or such other timing as agreed by the Planning Secretary) for the duration of construction works, the Applicant must submit a Compliance Report to the Department reviewing the environmental performance of the development to the satisfaction of the Planning Secretary. Compliance Reports must be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) and must also:</p> <ul style="list-style-type: none"> (a) identify any trends in the monitoring data over the life of the development; (b) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and (c) describe what measures will be implemented over the next year to improve the environmental performance of the development.
E15	<p>The Applicant must make each Compliance Report publicly available no later than 60 days after submitting it to the Planning Secretary and notify the Planning Secretary in writing at least 7 days before this is done.</p>

2.4 Project address

The Project is located at 788-882 Mamre Road, Kemps Creek NSW 2178.

The Site is described as; Lots 54-58 DP 259135.

2.5 Description of Project

The concept proposal for SSD 10448 is described as;

- The staged development of an industrial estate comprising of 11 buildings with a total GFA of up to 247,990 square metres (m2) for industrial, warehousing and distribution centres, and café uses.

The scope of this Construction Compliance Report covers Stage 1 of this development including;

- Site preparation works, vegetation clearing, realignment of the existing creek,
- Construction of access roads and eastern half of Mamre Road/ Access Road 1 intersection works,
- Construction, fit out, and operation of one warehouse and one industrial building with ancillary offices,
- Car parks, landscaping, signage and a café, construction and operation of services and utilities, and
- Subdivision of the site into three lots.

2.6 Compliance Reporting Schedule

Table 3 gives the proposed schedule for compliance reporting. This Program below is provided in accordance with Condition D14 of DPP 10448 and Compliance Reporting Post Approval Requirements (DPIE 2020), Table 1 – Minimum Frequency of Compliance Reporting.

This Report is **Compliance Report 1** of the construction phase of the development.

Table 3 Compliance Reporting Schedule.

Compliance Report	Phase	Timing
Notes: Construction commenced 18 AUG 2022		
Construction Compliance 1	Construction	18 NOVEMBER 2022
Construction Compliance 2	Construction	18 NOVEMBER 2023
Construction Compliance 3	Construction	TBA
Operation Compliance Report	Operation	TBA
Post-Decommissioning Compliance Report	Decommissioning	TBA

2.7 Project Activity Summary

Pre-commencement works commenced at the Aspect Industrial Estate site post issuance of the approved Development Consent in May 2022, with construction works commencing after 18th August 2022.

The works commenced on the project during the reporting period are summarised below.

Pre-construction Activities (after 24th May 2022).

- Decommissioning of all pre-existing farm dams in accordance with Dam Decommissioning Strategy and Flora and Fauna Management Plan,
- Clearance of existing vegetation and retaining future habitat trees as per Flora and Fauna Management Plan,
- Relocation of existing water and electrical services for future temporary site access,
- Aboriginal heritage salvage and clearance,
- Installation of project perimeter fencing,
- Remediation of areas identified in Remediation Action Plan,
- Construction and Maintenance of Primary Controls,
- Demolition and removal of existing building structures.

Construction Activities (after 18th August 2022).

- Establishment of temporary compounds,
- Earthworks in future Lots 1, 2, 3, 8 & 9.

2.8 Project General Arrangement

Figure 1 below gives the General Arrangement for the works proposed under SSD 10448.

Figure 1 General Arrangement.



2.9 Key Project Personnel

Table 4 Key Project Personnel.

Role	Name	Company	Contact Details
Project Principals Representative	Russell Hogan	MIRVAC	0424 441 231 Russell.hogan@mirvac.com
Project Director	Kym Dracopoulos	MIRVAC	0411 511 431 kym.dracopoulos@mirvac.com
Contract Superintendent	Mostafa Nazar	Orion Consulting	0407 416 823 mostafa.nazar@orionconsulting.com.au
Project Manager	Adam Heinrich	Orion Consulting	0427 542 151 adam.heinrich@orionconsulting.com.au
Environmental Representatives			
Environmental Representative (ER)	Maurice Pigniatelli	OPTIME	0407 493 176 maurice@optimenv.com.au
Alternate ER	Ben Bracken	BB Enviro	0410 409 897 ben.bracken@bbenviro.com.au
Principals Environmental Consultant (EC)	Carl Vincent	ERSED	0424 203 046 carl.vincent@ersed.com.au
Communications and Community			
Communications and Community Liaison Representative	Kate McKinnon	SLR Consulting	02 4249 1010 kmckinnon@slrconsulting.com
Aspect Industrial Estate Works Contract			
Contractor's Project Manager	David Gardner	WEM	0417 466 272 DGardner@wem.com.au
Environmental Coordinator	Darren Green	Element Environment	0418969624 darren@elementenvironmental.com.au
Work Health and Safety (WHS) Coordinator	Mitchell Watts	WEM	0439 856 304 mwatts@wem.com.au

3 Environmental Performance

Non compliances are discussed at Section 4 following.

Incidents are discussed at Section 4 following.

Complaints are discussed at Section 4 following.

This section addressed requirements of Condition D14 which requires the Compliance report to

- (a) identify any trends in the monitoring data over the life of the development;
- (b) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and
- (c) describe what measures will be implemented over the next year to improve the environmental performance of the development.

3.1 Noise and Vibration Monitoring

3.1.1 Thresholds and Projections from CNVMP

The Construction Noise and Vibration Management Plan has detailed the Noise Management Levels (NMLs) for the project which have been determined in accordance with the requirements of the NSW Interim Construction Noise Guideline (ICNG) and are shown in the following table.

Table 5 Project Specific Noise Management Levels (dBA).

Receiver Type	NCA	NML (LAeq(15minute) – dBA)				Sleep Disturbance Screening Level (L _{Amax} dBA)
		Standard Construction Hours (RBL+10dB)	Out of Hours ⁴ (RBL+5dB)			
		Daytime	Daytime ³	Evening	Night-time	Night-time
Residential	NCA01	49	44	44	37	52
Residential	NCA02	45	40	38	37	52
Residential	NCA03	45 ¹	40	38	35	52
Residential	NCA04	49	44	44 ²	37	52
Educational	NCA01	55	55 (when in use)			-
Commercial	Various	70	70 (when in use)			-

Note 1: RBL increased to the minimum RBL specified in the NPfl.

Note 2: Where the evening RBL is higher than the daytime RBL, the daytime RBL has been used.

Note 3: Daytime out of hours is 7 am to 8 am and 1 pm to 6 pm on Saturday, and 8 am to 6 pm on Sunday and public holidays.

Note 4: In accordance with Condition D41, works will be undertaken during standard daytime construction hours. Where out of hours works are required and are approved under Condition D42, the out of hours NMLs apply.

The ICNG is used to assess and manage impacts from construction noise on residences and other sensitive land uses in NSW. The ICNG contains procedures for determining project specific Noise Management Levels (NMLs) for sensitive receivers based on the existing background noise in the area. The 'worst-case' noise

levels from construction of a project are predicted and then compared to the NMLs in a 15-minute assessment period to determine the likely impact of the project.

The NMLs are not mandatory limits, however, where construction noise levels are predicted or measured to be above the NMLs, feasible and reasonable work practices to minimise noise emissions are to be investigated.

The predicted airborne noise impacts from construction works, which have been summarised in the Construction Noise and Vibration Management Plan are provided in the two following table extracts:

Table 6 Overview of NML Exceedances – NVIA Construction Scenarios – Day Standard Hours.

Receiver Category	NCA	Exceedance Category ¹	Number of Receivers with Day Standard Hours NML Exceedance ²							
			Enabling and remediation works		Site establishment		Bulk earthworks		Stage 1: Infrastructure works	
			'Typical'	'Peak'	'Typical'	'Peak'	'Typical'	'Peak'	'Typical'	'Peak'
			Supporting works	Demolition of existing structures	Supporting and earthmoving	Vegetation clearing	General earthworks	Excavation through hard rock	Construction works	Earthworks
Residential	NCA01	1-10 dB	4	7	5	5	5	8	4	6
		11-20 dB	-	6	-	4	1	5	-	-
		>20 dB	-	-	-	-	-	1	-	-
		HNA	-	-	-	-	-	-	-	-
	NCA02	1-10 dB	-	8	-	1	-	12	-	-
		11-20 dB	-	-	-	-	-	-	-	-
		>20 dB	-	-	-	-	-	-	-	-
		HNA	-	-	-	-	-	-	-	-
	NCA03	1-10 dB	1	38	2	22	5	37	1	1
		11-20 dB	-	3	-	1	1	5	-	-
		>20 dB	-	-	-	-	-	1	-	-
		HNA	-	-	-	-	-	-	-	-
	NCA04	1-10 dB	5	16	1	13	3	15	4	2
		11-20 dB	3	2	7	5	7	3	1	4
		>20 dB	-	7	-	3	-	7	-	-
		HNA	-	1	-	-	-	3	-	-
Other Sensitive	All NCAs	1-10 dB	-	-	-	-	-	-	-	-
		11-20 dB	-	-	-	-	-	-	-	-
		>20 dB	-	-	-	-	-	-	-	-
		HNA	-	-	-	-	-	-	-	-

Note 1: HNA = Highly Noise Affected, based on ICNG definition (i.e. predicted LAeq(15minute) noise at residential receiver is 75 dBA or greater).

Note 2: Based on worst-case predicted noise levels.

Table 7 Overview of NML Exceedances – Intersection Works – Out of Hours.

Receiver Category	NCA	Exceedance Category ¹	Number of Receivers with NML Exceedance ²							
			Day Standard Hours		Day OOH		Evening OOH		Night OOH	
			'Typical'	'Peak'	'Typical'	'Peak'	'Typical'	'Peak'	'Typical'	'Peak'
			General works	Asphalt milling	General works	Asphalt milling	General works	Asphalt milling	General works	Asphalt milling
Residential	NCA01	1-10 dB	2	6	5	3	5	3	3	9
		11-20 dB	-	-	-	5	-	5	5	5
		>20 dB	-	-	-	-	-	-	-	1
		HNA	-	-	-	-	-	-	-	-
	NCA02	1-10 dB	-	-	-	-	-	5	-	5
		11-20 dB	-	-	-	-	-	-	-	-
		>20 dB	-	-	-	-	-	-	-	-
		HNA	-	-	-	-	-	-	-	-
	NCA03	1-10 dB	-	1	-	9	1	22	2	38
		11-20 dB	-	-	-	-	-	-	-	1
		>20 dB	-	-	-	-	-	-	-	-
		HNA	-	-	-	-	-	-	-	-
	NCA04	1-10 dB	4	2	2	11	2	11	11	10
		11-20 dB	4	8	7	1	7	1	1	7
		>20 dB	-	-	-	7	-	7	7	8
		HNA	-	-	-	-	-	-	-	-
Other Sensitive	All NCAs	1-10 dB	-	-	-	-	n/a	n/a	n/a	n/a
		11-20 dB	-	-	-	-	n/a	n/a	n/a	n/a
		>20 dB	-	-	-	-	n/a	n/a	n/a	n/a
		HNA	-	-	-	-	n/a	n/a	n/a	n/a

Note 1: HNA = Highly Noise Affected, based on ICNG definition (i.e. predicted LAeq(15minute) noise at residential receiver is 75 dBA or greater).

Note 2: Based on worst-case predicted noise levels.

The assessment shows the predicted impacts based on the exceedance of the management levels, as per the following categories:

Table 8 Exceedance Bands and Impact Colouring.

Exceedance of Management Level	Subjective Classification	Impact Colouring
No exceedance	Negligible	
1 to 10 dB	Low impact	
11 dB to 20 dB	Moderate impact	
>20 dB	High impact	

3.1.2 Observations and Discussions

Construction during August to October 2022 included the following activities:

- WEM mobilised on site on the 18 August including the installation of temporary site sheds and hardstand of a parking area.
- Construction commenced on the 5 September following the approval of the CEMP.
- Demolition of existing buildings (houses and sheds) commenced following approval of the CEMP and was completed on the 21 October.

- Vegetation removal and dewatering of the existing farm dams was completed in September.
- Bulk earthworks commenced across the entire site and is ongoing.

No works outside of the approved construction hours were completed during the reporting period.

3.1.2.1 Weather conditions during reporting period

Weather observations from the nearest Bureau of Meteorology weather station at Horsley Park are provided in Appendix A attached to the Aspect Industrial Estate: Quarterly Noise and Vibration Monitoring Report attached as Appendix C.

Rainfall was low in August (11.8mm), moderate in September (85.2mm) and high in September (150.8mm). Relative humidity was moderate throughout all three months. Wind speeds were also moderate to high with frequent days exceeding 6m/s.

3.1.2.2 Methods

3.1.2.2.1 Noise Monitoring Program

The AIE noise monitoring program as defined below in the extract from Table 18 of the CVNMP.

Table 9 AIE noise monitoring program.

Monitoring			
A real-time noise monitoring system must be installed at a location representative of the most-affected residences on the western side of Mamre Road to identify occurrence of highly noise affected levels (refer to Figure 5). Requirements of the real-time noise monitoring system are detailed in Section 7.3 .	Environmental Coordinator	Ongoing	Condition D44(d)(i)
Noise and/or vibration monitoring will be conducted (as appropriate) when noise/vibration intensive works are being undertaken in close proximity to sensitive receivers.			Best practice
Noise and/or vibration monitoring will be conducted (as appropriate) in response to any complaints received to verify that levels are not substantially above the predicted levels.			
Refer to Section 7.3 for full details of monitoring requirements.			

WEM have established a real time noise monitor (SiteHive) within unattended noise monitors located at six locations around the site.

- LO1 North Boundary,
- LO2 North east End,
- LO3 East Boundary,
- LO4 South end,
- LO5 Site Gate (Western site perimeter),
- LO6 West Neighbours.

The devices were deployed on the 22 August and have been running continuously thereafter.

3.1.2.2.2 Vibration Monitoring Program

The AIE vibration monitoring program as defined below in the extract from Table 18 of the CVNMP.

Table 10 AIE vibration monitoring program extract.

Vibration			
<p>If vibration generating works are required within the minimum cosmetic damage working distances and considered likely to exceed the criteria:</p> <ul style="list-style-type: none"> Different construction methods with lower source vibration levels will be investigated and implemented, where feasible Attended vibration measurements will be undertaken at the start of the works to determine actual vibration levels at the item. Works will cease if the monitoring indicates vibration levels are likely to, or do, exceed the relevant criteria. 	Environmental Coordinator	Ongoing	Best practice
Where works are required within the cosmetic damage minimum working distances, building condition surveys will be completed before and after the works to ensure no cosmetic damage has occurred.			

No vibratory works have been completed within the minimum cosmetic damage working distances from buildings surrounding the site. As such, no vibration monitoring has been completed for works completed during the reporting period.

3.1.2.3 Results

3.1.2.3.1 Noise monitoring results

The monthly averages for each device during the day, evening and night periods is provided in the table below. Summary reports from the Site Hive real-time platform are provided in Appendix B of Appendix C to the Aspect Industrial Estate: Quarterly Noise and Vibration Monitoring Report.

Table 11 Noise monitoring monthly summary.

NML	L01	L02	L03	L04	L05	L06
NCA	NCA02	NCA02	NCA03	NCA04	NCA04	NCA04
NML Day (LAeq)	45	45	45	49	49	49
NML Evening (LAeq)	38	38	38	44	44	44
NML Night (LAeq)	37	37	35	37	37	37
September Averages						
Day (LAeq)	50	46	46	58	65	57
Evening (LAeq)	44	41	42	53	59	53
Night (LAeq)	43	41	42	50	55	49
October Averages						
Day (LAeq)	48	44	41	56	63	56
Evening (LAeq)	43	41	43	52	59	53
Night (LAeq)	43	40	38	49	54	47

Average LAeq levels at L01 – L05 during the day period, when construction works are occurring, have exceeded the NML at the property boundary. However, the LAeq at the nearest sensitive receivers is being achieved.

The LAeq levels at LO6 West Neighbours also exceeded the NML, however the noise levels are being impacted by traffic noise on Mamre Road.

3.1.3 Measures to Improve Environmental Performance

WEM have established the real-time noise monitoring system at the locations specified in the CNVMP. The devices have indicated that construction noise levels are being maintained at acceptable levels.

The results indicate that the daytime noise levels (when construction activities are occurring) are occurring at an acceptable noise level. The evening and night time averages are consistently above the evening and night period NML at all monitoring locations, however no works are occurring at this time. This is indicative of the background traffic noise impact of Mamre Road.

Given the results and no complaints for the period, no additional mitigation measures are considered necessary at this time.

3.2 Air Quality Monitoring

3.2.1 Thresholds and Projections from CAQMP

The approved Construction Air Quality Management Plan identifies the relevant criterion for nuisance dust deposition as provided in the following table. The rate of dust deposition is measured by means of a collection gauge, which catches the dust settling over a fixed surface area and over a period of about 30 days.

Table 12 NSW EPA Criterion of Nuisance Dust Deposition.

Pollutant	Averaging Period	Assessment Criteria (g/m ² /month)
Deposited dust	Annual	2 (maximum increase in deposited dust level) 4 (maximum total deposited dust level)

The approved Construction Air Quality Management Plan identifies that quantitatively assessing impacts of fugitive dust emissions from construction projects using predictive modelling is seldom considered appropriate, primarily due to the uncertainty in the details of the construction activities, including equipment type, number, location and scheduling, which are unlikely to be available at the time of the assessment.

Instead, it is considered appropriate to conduct a qualitative assessment. Potential impacts of dust emissions associated with proposed demolition and construction activities at the Development Site have been performed based on the methodology outlined in the Institute of Air Quality Management (UK) (IAQM) document, "Assessment of dust from demolition and construction" (Holman et al 2014).

Table 13 Preliminary Risk of Air Quality Impacts from Construction Activities (Uncontrolled).

Impact	Sensitivity of Area	Dust Emission Magnitude				Preliminary Risk			
		Demolition	Earthworks	Construction	Trackout	Demolition	Earthworks	Construction	Trackout
Dust Soiling	Low	Medium	Large	Large	Large	Low Risk	Low Risk	Low Risk	Low Risk
Human Health	Low					Low Risk	Low Risk	Low Risk	Low Risk

The results indicate that there is a low risk of adverse dust soiling and human health impacts occurring at the off-site sensitive receptor locations if no mitigation measures were to be applied to control emissions during the earthworks, construction and track out phases of the works.

3.2.2 Observations and Discussions

3.2.2.1 Construction activities being undertaken during reporting period.

- Construction during August to October 2022 included the following activities:
- WEM mobilised on site on the 18 August including the installation of temporary site sheds and hardstand of a parking area.
- Construction commenced on the 5 September following the approval of the CEMP.
- Demolition of existing buildings (houses and sheds) commenced following approval of the CEMP and was completed on the 21 October
- Vegetation removal and dewatering of the existing farm dams was completed in September.
- Bulk earthworks commenced across the entire site and is ongoing.

3.2.2.2 Weather conditions during reporting period.

Weather observations from the nearest Bureau of Meteorology weather station at Horsely Park are provided in Attachment A attached to the Aspect Industrial Estate: Quarterly Noise and Vibration Monitoring Report attached as Appendix D.

Rainfall was low in August (11.8mm), moderate in September (85.2mm) and high in September (150.8mm). Relative humidity was moderate throughout all three months. Wind speeds were also moderate to high with frequent days exceeding 6m/s.

3.2.2.3 Methods

3.2.2.3.1 Dust Monitoring Program

WEM have established a real time dust monitoring system (SiteHive) with six unattended air particulate monitoring devices located around the site:

- LO1 North Boundary
- LO2 North east End
- LO3 East Boundary
- LO4 South end
- LO5 Site Gate (Western site perimeter)
- LO6 West Neighbours

The particulate criterion for the SiteHive loggers is as follows:

- PM₁₀ - 50 µg/m³ (24-hr average).
- PM_{2.5} - 25 µg/m³ (24-hr average).

The devices were deployed on the 22 August and have been running continuously thereafter (with the exception of LO3 which has had some technical issues). The SiteHive devices measure PM₁₀ and PM_{2.5} (ug/m³) in 15 minute increments 24hrs a day. The data is relayed to an online portal and provides notifications when the 1hr averaging period dust criteria (190µm/m³) is exceeded, allowing WEM to investigate and mitigate the causes of elevated dust generation in real time.

3.2.2.4 Background Air Quality

The AIE is located within a development precinct with numerous sources of particulate air pollution including Mamre Road and other industrial development on Mamre Road to the northwest of the site. Differentiating between the impact of the AEI construction works and the 'ambient' background dust levels is not possible. As such, the results should be interpreted with reference to these background particulate air quality.

3.2.2.5 Results

The daily cumulative PM₁₀ and PM_{2.5} results for each SiteHive device during the reporting period is presented in the table below. Records exceeding the daily criteria are highlighted in red.

Daily Cumulative PM_{2.5} and PM₁₀ Results

Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Aug												
22-Aug	5	7	1	4			1	10	3	30	1	4
23-Aug	9	11	1	6			1	5	2	19	2	9
24-Aug	10	13	2	5			2	7	3	17	2	7
25-Aug	10	21	3	15			4	17	6	55	4	23
26-Aug	9	13	4	11			4	12	4	22	3	13
27-Aug	26	828	54	1849			35	517	12	495	20	746
28-Aug	49	1225	62	1563			47	1002	22	638	29	798
29-Aug	46	756	58	1212			35	354	15	170	30	557
30-Aug	31	293	30	377			46	407	21	349	35	395
31-Aug	11	22	5	15	9	24	5	18	6	32	5	19
Sep												
1-Sep	16	174	22	393	17	104	15	59	12	41	12	64
2-Sep	28	816	62	1340	16	348	22	374	9	127	13	293
3-Sep	8	9	6	14	3	7	3	6	6	18	5	13
4-Sep	14	18	4	13	4	9	5	15	5	14	4	11
5-Sep	11	63	4	20	3	11	4	24	6	32	0	0
6-Sep	11	18	6	28	3	9	4	16	5	30	0	0
7-Sep	14	194	18	376	0	1	18	241	6	111	0	0
8-Sep	26	454	35	502	7	77	6	54	8	51	0	0
9-Sep	8	12	3	11	4	11	4	13	4	16	0	0

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Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
10-Sep	9	14	1	4	1	3	1	4	1	6	0	0
11-Sep	8	10	2	6	3	5	2	6	2	7	0	0
12-Sep	11	19	3	10	3	10	4	29	6	59	0	0
13-Sep	12	32	3	12	3	11	4	15	6	69	0	0
14-Sep	10	19	4	17	5	15	4	23	4	34	0	0
15-Sep	13	28	7	17			10	24	5	11	0	0
16-Sep	16	210	16	422			28	539	10	252	0	0
17-Sep	8	12	2	6			3	20	3	9	0	0
18-Sep	8	9	1	3			1	3	1	4	0	0
19-Sep	10	20	4	25			5	45	4	34	0	0
20-Sep	11	21	4	20			9	108	6	49	0	0
21-Sep	15	41	9	38			12	69	10	66	0	0
22-Sep	15	22	13	52			24	63	9	20	0	0
23-Sep	19	32	21	54			25	51	17	39	0	0
24-Sep	49	731	1	4			54	921	38	482	0	0
25-Sep	34	939	34	1764			55	1427	22	1069	0	0
26-Sep	14	38	12	197			7	25	6	47	0	0
27-Sep	25	313	30	640			18	175	8	162	0	0
28-Sep	15	57	9	42			3	10	5	25	0	0
29-Sep	15	19	2	7			2	7	3	11	0	0
30-Sep	17	25	10	25			9	23	10	34	0	0
Oct												
1-Oct	15	25	8	23			9	26	9	25	0	0
2-Oct	11	16	3	14			3	13	3	10	0	0
3-Oct	26	1119	38	2641			26	1365	6	404	0	0
4-Oct	16	44	8	78			7	98	5	46	0	0

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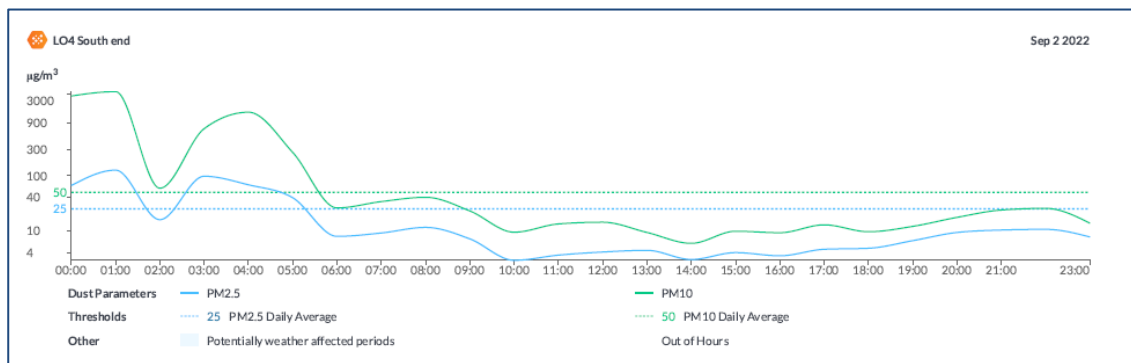
Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
5-Oct	21	35	14	35			18	43	8	18	0	0
6-Oct	16	26	10	25			7	17	9	22	0	0
7-Oct	22	454	18	556			1	3	14	384	0	0
8-Oct	44	702	47	1209			52	1070	24	792	0	0
9-Oct	11	14	2	6			2	7	2	7	0	0
10-Oct	15	25	6	23			7	25	7	32	0	0
11-Oct	15	26	5	21			5	23	5	32	0	0
12-Oct	12	25	5	23			6	43	6	37	6	30
13-Oct	14	65	7	29			8	50	8	43	8	38
14-Oct	12	20	4	16			6	49	3	9	4	13
15-Oct	11	25	4	21			6	71	4	29	4	18
16-Oct	13	23	5	23			5	16	5	16	5	18
17-Oct	14	29	6	18	8	15	6	24	8	51	7	29
18-Oct	16	30	6	26			7	34	8	57	7	41
19-Oct	15	26	7	25			11	87	9	52	9	44
20-Oct	15	26	8	27			9	28	9	34	9	33
21-Oct	14	24	8	26			11	36	9	25	10	29
22-Oct	15	35	7	57			12	51	7	28	7	38
23-Oct	16	21	5	15			5	15	5	15	5	15
24-Oct	13	19	5	19			8	25	5	17	6	18
25-Oct	31	456	32	982			51	569	27	251	23	428
26-Oct	6	15	2	12			2	9	2	10	2	9
27-Oct	9	16	1	9			2	11	2	10	1	6
28-Oct	10	20	2	13			1	8	2	10	2	7
29-Oct	8	15	2	9			1	7	2	9	1	7
30-Oct	9	13	2	8			2	7	2	7	2	9

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Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
31-Oct	8	22	3	19			4	35	4	23	3	21

The SiteHive devices reported exceedances of the daily dust criteria at one or more locations on 31 days during the reporting period. However, a review of the daily profile of hourly PM₁₀ and PM_{2.5} averages on each day identified that the daily exceedance was solely as a result of exceedance outside of construction hours on 24 days (refer to example graph below). The daily graphs for all devices on each day with a reported daily exceedance are provided in Attachment B.

Example of hourly average data illustrating exceedance in night period only



Advice from SiteHive on this trend was that their aerosol monitors are susceptible to misreading condensation as dust which will result in a falsely elevated cumulative daily level. As such, the days on which the daily PM₁₀ and/or PM_{2.5} level exceeded the criteria during the night period only, and the PM₁₀ and PM_{2.5} was maintained below the criteria during the construction hours, have been interpreted as being below the daily dust target criteria.

Six remaining days were identified from the dataset when the daily target was exceeded as a result of exceedance primarily during the construction hours, as summarised in the following table. This indicated that the PM₁₀ target was exceeded on four days at the site gate and twice on the southern boundary. The PM_{2.5} criteria was maintained throughout the construction period. These exceedances have are likely to be primarily as a result of construction activities on the AEI site.

Daily exceedance of dust criteria attributes to AEI construction activities

Date	Device	*PM2.5	*PM10
Criteria		25ug/m3	50ug/m3
25 Aug	LO5 Site Gate	6	55
8 Sept	LO5 Site Gate	8	51
12 Sept	LO5 Site Gate	6	59
13 Sept	LO5 Site Gate	6	69
4 Oct	LO4 South end	7	98
15 Oct	LO4 South end	6	71

* 24hr averaging period

Given the scale of the earthworks and other contributing activities to local dust levels (Mamre Road

and other construction works in the precinct) these results reflect good performance by WEMs to control dust during the demolition works, topsoil stripping and commencement of bulk earthworks.

3.2.2.6 Measures to improve Environmental Performance

WEM have established real time air quality monitoring system at the locations specified in the CAQMP. The devices have indicated that construction air quality levels are generally being maintained at acceptable levels during the reporting period. In recognition of the instances where the dust criteria was not achieved, WEM will continue to monitor performance and seek measures to further improve their dust control during the construction of the AIE.

3.3 Construction Traffic and Access

3.3.1 Thresholds and Projections from CTMP

The anticipated vehicle movements generated by the construction of the Site have been estimated having consideration of the likely requirements for construction staff, plant, equipment, and haulage. The anticipated construction schedule has been provided by the contractor, with the estimated traffic volumes are as follows:

- 306 Light Vehicle Movements per day (up to 150 movements in the AM & PM Peak Periods),
- 258 Heavy Vehicle Movements per day (up to 10 & 5 movements in the AM & PM Peak Periods respectively).

Therefore, the expectation maximum daily construction vehicles generation is up to 564 movements per day, with a maximum of 160 movements in either peak period). As such, it is shown that construction traffic will be less than the future operational traffic and will therefore not have any unacceptable impacts on the surrounding road network more broadly. Notwithstanding a further breakdown of the trip distributions have been adopted for as shown.

- Vehicle Split:
 - Light Vehicle: 76% of total traffic,
 - Heavy Vehicle: 24% of total traffic.
- Directional Split:
 - Light & Heavy Vehicles: 0% north, 100% south.
- Access and Egress Split:
 - Light Vehicles: 73% in / 27% out during AM Peak, 25% in / 75% out during PM Peak,
 - Heavy Vehicles: 51% in / 49% out during AM Peak, 48% in / 52% out during PM Peak.

The above relates to construction traffic associated with the Site in isolation. Noting that construction works for the signalised intersection shall be underway during the construction works, the contractor for each project shall liaise regularly in order to avoid any conflict of large deliveries and to ensure that the cumulative construction impacts are minimised and do not exceed approved operational limits.

The following table outlines the expected construction volumes for the signalised intersection and internal works within the Site.

Table 14 Approved Construction Volumes as per CTMP.

Development Aspect	Forecast Construction Volumes (Total)	Light Vehicle AM/PM Peak Movements	Heavy Vehicle AM/PM Peak Movements
Internal Works	564	150	15
Signalised Intersection	10		
Total	574	150	15

The cumulative volumes shown are significantly lower than the approved volumes, which suggests that the cumulative construction shall not create any unacceptable traffic impacts to the road network. As such, the infrastructure designed and is sufficient to cater for the proposed traffic volumes.

3.3.2 Observations and Discussions

The following data has been captured relating to vehicles accessing/exiting from the site.

Table 15 Site vehicle data.

Daily site activity sheet for 826 Mamre Road Kemps Creek – Gate keeper report					
Date Range: 18/08/2022-03/11/2022					
Date	Peak Hours	Off Peak Hours	Car In /Out Count	Truck in /Out Count	Total Day Count
18/08/2022	5	0	5	0	5
19/08/2022	10	2	10	2	12
20/08/2022	No work	No work	No work	No work	No work
21/08/2022	No work	No work	No work	No work	No work
22/08/2022	11	37	43	5	48
23/08/2022	14	26	34	6	40
24/08/2022	29	86	95	20	115
25/08/2022	17	69	48	38	86
26/08/2022	33	44	51	26	77
27/08/2022	9	36	8	37	45
28/08/2022	Sun	Sun	Sun	Sun	Sun
29/08/2022	19	41	8	52	60
30/08/2022	38	49	75	12	87
31/08/2022	7	44	40	11	51
1/09/2022	13	65	61	17	78
2/09/2022	18	66	52	32	84
3/09/2022	15	24	22	17	39
4/09/2022	Sun	Sun	Sun	Sun	Sun
5/09/2022	27	57	59	25	84

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6/09/2022	61	81	117	25	142
7/09/2022	56	73	103	26	129
8/09/2022	71	76	83	64	147
9/09/2022	48	51	92	7	99
10/09/2022	22	23	42	3	45
11/09/2022	Sun	Sun	Sun	Sun	Sun
12/09/2022	70	78	94	54	148
13/09/2022	74	100	115	59	174
14/09/2022	90	118	174	34	208
15/09/2022	65	77	121	21	142
16/09/2022	28	60	73	15	88
17/09/2022	41	41	73	9	82
18/09/2022	Sun	Sun	Sun	Sun	Sun
19/09/2022	72	124	140	56	196
20/09/2022	57	85	100	42	142
21/09/2022	62	78	94	46	140
22/09/2022	56	73	103	26	129
23/09/2022	52	60	102	10	112
24/09/2022	36	33	67	2	69
25/09/2022	Sun	Sun	Sun	Sun	Sun
26/09/2022	46	100	142	2	146
27/09/2022	37	157	154	40	194
28/09/2022	63	127	178	12	190
29/09/2022	60	98	145	13	158
30/09/2022	55	77	101	31	132
1/10/2022	No Work	No Work	No Work	No Work	No Work
2/10/2022	Sun	Sun	Sun	Sun	Sun
3/10/2022	No Work	No Work	No Work	No Work	No Work
4/10/2022	70	79	114	35	149
5/10/2022	32	41	73	0	73
6/10/2022	56	9	62	3	65
7/10/2022	56	28	67	17	84
8/10/2022	No work	No work	No work	No work	No Work
9/10/2022	Sun	Sun	Sun	Sun	Sun
10/10/2022	54	30	63	21	84
11/10/2022	62	32	68	26	94
12/10/2022	79	88	144	23	167
13/10/2022	52	25	60	17	77
14/10/2022	54	21	60	15	75
15/10/2022	55	18	67	6	73
16/10/2022	Sun	Sun	Sun	Sun	Sun

17/10/2022	52	65	103	14	117
18/10/2022	62	67	77	52	129
19/10/2022	72	55	95	32	127
20/10/2022	83	31	97	17	114
21/10/2022	39	34	59	14	73
22/10/2022	24	13	26	11	37
23/10/2022	Sun	Sun	Sun	Sun	Sun
24/10/2022	51	0	47	4	51
25/10/2022	45	39	67	17	84
26/10/2022	80	61	102	39	141
27/10/2022	81	66	109	38	147
28/10/2022	67	43	85	25	110
29/10/2022	39	12	36	15	51
30/10/2022	Sun	Sun	Sun	Sun	Sun
31/10/2022	61	60	87	34	121

The number of vehicle movements experienced by the project on a daily basis are below the number forecast by the approved CTMP.

3.3.3 Measures to Improve Environmental Performance

The results of number of daily vehicle movements are occurring at an acceptable volume. The peak hour and total daily movements are consistently in accordance with the volumes forecast in the approved CTMP.

Given the results and no complaints for the period, no additional mitigation measures are needed necessary at this time.

4 Compliance Status Summary

The compliance table provided as **Appendix B** demonstrates the compliance with conditions of consent for SSD 10448

The terminology within **Table 17** has been used to describe compliance status within the Compliance Report Provided at Appendix B. Only these terms are used to describe the compliance status.

Table 16 Compliance Status Descriptors.

Compliant	The proponent has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with.
Non-Compliant	The proponent has identified a non-compliance with one or more elements of the requirement.
Not triggered	A requirement has an activation or timing trigger that has not been met at the phase of the development when the compliance assessment is undertaken; therefore, an assessment of compliance is not relevant.

The following non compliances have been reported to the Planning Secretary during the reporting period.

4.1 Non Compliance

The following non-compliance was identified and reported during this period.

4.1.1 Clause D27

Condition of Consent D27 for SSD10448 provides;

D27. The development must comply with section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided for in an EPL.

4.1.2 Observations

During the Environmental Representative (ER) site inspection of 17 OCT 2022 the ER observed the discharge of sediment laden water at the western site boundary to existing drainage at Mamre Road in likely non-compliance with Condition of Consent D27 of SSD10448. The ER confirmed this observation within an email on that same day and again within the ER inspection report issued 17 OCT 22.

4.1.3 Recommended Actions for Non Compliance

Immediate actions undertaken:

- The pump was immediately shut off;
- Actions were then taken to prevent any more of the detained water leaving the site;
- The outlet and surrounds at the western boundary were treated with gypsum to treat any water detained in this location;
- Further actions were taken to strengthen separations between detained water and potential pathways off site;
- Detained waters within the geotextile lined drain were pumped back into site storages.

Further and Ongoing actions:

- The issues around operations of pumps and dewatering of site controls will be again tool boxed;
- A single dedicated team member will be authorised to operate pumps. No other team member will be allowed to operate pumps;
- An authority to dewater form and process is to be implemented where the authorised team member will be authorised in writing by WEM Project Management that the specific location of detained waters has been confirmed as suitable for dewatering and pumping is to proceed;
- If possible, a lock is to be fitted to the pumps to prevent unauthorised operation.

4.1.4 Identified Areas of Improvement

Recommended actions identified associated with Non Compliances are included within Section 4.1.3 above. Identified areas of improvement which do not constitute non compliances are detailed at 4.1.5 following.

4.1.5 Identified Areas of Improvement

An authority to dewater form and process is to be developed and implemented where the authorised team member will be authorised in writing by WEM Project Management that the specific location of detained waters has been confirmed as suitable for dewatering and pumping is to proceed.

5 Incidents

There have been no incidents, defined by the Conditions of Consent as;

“An occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause non-compliance”.

6 Complaints

Table 18 below provides details of complaints received to the project as included in the Complaints Register established, maintained and communicated in accordance with condition;

E17. At least 48 hours before the commencement of construction until the completion of all works under this consent, the Applicant must:

- (a) make the following information and documents (as they are obtained or approved) publicly available on its website:
 - (ix) a complaints register, updated monthly;

And made available to the Environmental Representatives in accordance with condition;

C32. The Applicant must provide the ER with all documentation requested by the ER in order for the ER to perform their functions specified in condition C31 (including preparation of the ER monthly report), as well as:

- (a) the complaints register (to be provided on a daily basis);

No complaints have been received by the project to date.

Table 17 Complaints.

Date	Detail
Nil	• Nil

7 Actions and Improvements

The following section provides a discussion of actions recommended within previous reports and a summary of actions recommended subsequent to non-compliances, incidents or complaints or otherwise identified as a means of improving environmental performance.

7.1 Previous Actions

There have been no previously recommended actions.

7.2 Recommended Actions

All actions are closed relating to the above mentioned non compliance with no actions outstanding.

Appendix A

Compliance Report Declaration Form

Project Name :	Aspect Industrial Estate
Project Application Number :	SSD 10448
Description of Project :	<ul style="list-style-type: none"> concept layout of 22 warehouse buildings including of dock offices and ancillary offices providing 476,000 square meters of gross lettable area, built over 5 development stages concept layout of development lots, internal roads, drainage, landscaping, noise walls, basins, and biodiversity offsets; and development controls
Project Address:	788-882 Mamre Road, Kemps Creek NSW 2178.
Proponent:	Mirvac Projects Pty Ltd
Title of Compliance Report:	Construction Compliance Report 1
Date:	18/11/2022

I declare that I have reviewed relevant evidence and prepared the contents of the attached Compliance Report and to the best of my knowledge:

- the Compliance Report has been prepared in accordance with all relevant conditions of consent;
- the Compliance Report has been prepared in accordance with the Compliance Reporting Post Approval Requirements;
- the findings of the Compliance Report are reported truthfully, accurately and completely;
- due diligence and professional judgement have been exercised in preparing the Compliance Report; and
- the Compliance Report is an accurate summary of the compliance status of the development.

Notes:

- Under section 10.6 of the Environmental Planning and Assessment Act 1979 a person must not include false or misleading information (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- The Crimes Act 1900 contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years' imprisonment or 200 penalty units, or both).

Name of Authorised Reporting Officer	Kym Dracopoulos
Title	Development Director
Signature	
Qualification	Bachelor of Structural Engineering
Company	Mirvac

Company Address	L30 200 George Street, Sydney NSW 2000
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8 Appendix B

Compliance Report

SSD10448 Conditions Table:

Key to Colours	
Not triggered	Not triggered
Compliant	Compliant
Non-Compliant	Non-Compliance identified previous reporting period and resolved
Non-Compliant	Non-Compliant –identified this reporting period Ref to Section 3.0 Summary for and discussion of noncompliance

Unique ID	Compliance Requirement / Development Consent Condition	Development Phase	Monitoring Methodology	Comments / Evidence	Compliance Status
Part A - TERMS OF CONSENT FOR CONCEPT PLAN					
Terms of Consent					
A1	The development may only be carried out:				
	(a) in compliance with the conditions of this consent;	Stage 1 Construction	ER to check consistency during compliance reporting.	This Compliance Report. Regular ER inspections confirmed by ER monthly reports.	Compliant
	(b) in accordance with all written directions of the Planning Secretary;	Stage 1 Construction	ER to check consistency during compliance reporting.	This Compliance Report. Regular ER inspections confirmed by ER monthly reports.	Compliant
	(c) in accordance with the EIS, Response to Submissions (RtS) and Amended Development Report (ADR);	Stage 1 Construction	ER to check consistency during compliance reporting.	This Compliance Report. Regular ER inspections confirmed by ER monthly reports.	Compliant
	(d) in accordance with the Development Layout in Appendix 1; and	Stage 1 Construction	ER to check consistency during compliance reporting.	This Compliance Report. Regular ER inspections confirmed by ER monthly reports.	Compliant
	(e) in accordance with the management and mitigation measures in Appendix 4.	Stage 1 Construction	ER to check consistency during compliance reporting.	This Compliance Report. Regular ER inspections confirmed by ER monthly reports.	Compliant
A2	Consistent with the requirements in this consent, the Planning Secretary may make written directions to the Applicant in relation to:	At all times			Not triggered
	(a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Planning Secretary; and	At all times			Not triggered
	(b) the implementation of any actions or measures contained in any such document referred to in condition A2(a).	At all times			Not triggered
A3	"The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in condition A1(c) or A1(e). In the event of an inconsistency,	At all times			Not triggered
Future Development Applications					

A4	In accordance with section 4.22 of the EP&A Act, each subsequent stage of the Concept Plan (excluding Stage 1 development) is subject to future development applications (DAs). Future DAs are to be consistent with the terms of this consent.	Future development applications	Approvals will be sought from the Planning Secretary for works Outside of Stage 1.		Not triggered																																			
Limits of Consent																																								
A5	This consent lapses five years after the date from which it operates unless the development has physically commenced on the land to which the consent applies before that date.	Stage 1 Construction	Notification provided once prior to commencement of construction of Stage 1 as required. Subsequent notices will be provided after further approvals.	Email to DPE dated 01/06/2022.	Compliant																																			
A6	The Applicant must ensure any future development of the site is consistent with the Mamre Road Precinct Development Control Plan 2021 (NSW Government, 2021) (MRP DCP).	Future development applications	Approvals will be sought from the Planning Secretary for works Outside of Stage 1.		Not triggered																																			
A7	<div>The maximum GFA for development on the site for the land uses described in Table 1 must not exceed the limits described in that table.</div> <div>Table 2 Operational Noise Limits for Development dB(A)</div> <table><tr><th>Location</th><th>Day</th><th>Evening</th><th colspan="2">Night</th></tr><tr><td></td><td>L_{Aeq} (15 minute)</td><td>L_{Aeq} (15 min)</td><td>L_{Aeq} (15 min)</td><td>L_{Amax}</td></tr><tr><td>NML 1</td><td>50</td><td>50</td><td>47</td><td>63</td></tr><tr><td>NML 2</td><td>62</td><td>62</td><td>60</td><td>79</td></tr><tr><td>NML 3</td><td>64</td><td>64</td><td>61</td><td>79</td></tr><tr><td>NML 4</td><td>65</td><td>65</td><td>62</td><td>82</td></tr><tr><td>NML 5</td><td>66</td><td>66</td><td>64</td><td>82</td></tr></table>	Location	Day	Evening	Night			L _{Aeq} (15 minute)	L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{Amax}	NML 1	50	50	47	63	NML 2	62	62	60	79	NML 3	64	64	61	79	NML 4	65	65	62	82	NML 5	66	66	64	82	Building construction	ER to review concept and confirm development is within requirements.		Not triggered
Location	Day	Evening	Night																																					
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A8	A future road widening corridor along the western boundary must not be developed and must be maintained and preserved for the future Mamre Road widening works as shown in Figure 1 in Appendix 1.	Future development applications	Noted. No future development applications are to encroach on the area highlighted.		Not triggered																																			
A9	The largest vehicle permitted to access the site is a 30 m Performance Based Standards (PBS) Level 2 Type B.	Stage 1 Construction	Requirement has been incorporated into approved CTMP.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22	Compliant																																			
Staging, Combining and Updating Strategies, Plans or Programs																																								

A10	Prior to the commencement of construction of any stage of the Concept Proposal, the Applicant shall prepare a Staging Plan for the Development, to the satisfaction of the Planning Secretary. The plan shall:	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
	(a) be prepared in consultation with Council, utility and service providers and other relevant stakeholders;	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
	(b) describe how the implementation of the Concept Proposal, would be staged to ensure it is carried out in an orderly and economic way and minimises construction impacts;	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
	(c) show the likely sequence of DAs that will be lodged to develop the Site, with the estimated timing for each Stage and identification of any overlapping construction and operational activities;	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
	(d) include concept design for the staged delivery of landscaping, focusing on early implementation of screen planting to minimise the visual impact of subsequent development stages; and	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
	(e) include conceptual design for the provision of services, utilities and infrastructure to the Site, including stormwater management infrastructure and any future road upgrades.	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
A11	The applicant must:				
	(a) not commence construction of any stage of the Development until the Staging Plan required by Condition A12 is approved by the Planning Secretary; and	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
	(b) implement the most recent version of the Staging Plan approved by the Planning Secretary.	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	Letter from DPE to Mirvac dated 01/08/22 confirming acceptance of the Staging Plan.	Compliant
A12	The Planning Secretary may require the Applicant to address certain matters identified in the Staging Plan. The Applicant must comply with any such requirements of the Planning Secretary given as part of the Staging Plan approval.	Stage 1 Construction	ER to cite approved Staging Plan prior to the commencement of construction.	No required changes to Staging Plan at this time.	Not triggered

	<p><i>Notes:</i></p> <ul style="list-style-type: none"> • The Applicant may amend the Staging Plan as desired, with the approval of the Planning Secretary. • The Staging Plan is intended to broadly describe the development sequence for the Site and the delivery of infrastructure for all stages. It is not required to provide detailed design for latter Stages. 				
Traffic and Access					
A13	The Applicant must monitor operational traffic for all developments in the concept proposal for a period of 12 months following commencement of operation of each development under the relevant stage. This must include, but not be limited to:	Operation of estate			Not triggered
	(a) details of the number and frequency of truck numbers generated by the relevant stage of the Concept Proposal along with any approved developments under the concept proposal;	Operation of estate			Not triggered
	(b) verification of the predicted traffic numbers and level of service against the relevant stage of the Concept Proposal, and analyse the potential cause of any significant discrepancies; and	Operation of estate			Not triggered
	(c) consideration of the current capacity and efficiency of the existing road network including Mamre Road.	Operation of estate			Not triggered
Future Infrastructure Requirements					
A14	The Applicant must prepare an Infrastructure Review to support each future stage of the Concept Proposal. The Infrastructure Review must demonstrate the surrounding road infrastructure can accommodate the relevant stage and other approved developments in the MRP. The Infrastructure Review must:	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered
	(a) detail traffic volumes from all operating stages of the Concept Proposal;	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered
	(b) include background traffic volumes from key roads within the MRP, including Mamre Road;	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered
	(c) assess the operating performance of key intersections in the MRP, including Mamre Road and Access Road 1;	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered
	(d) detail the current level of approved development within the MRP, including total approved GFA;	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered

	(e) consider consistency with the latest approved Concept Proposal traffic volumes;	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered																																			
	(f) demonstrate the road network has sufficient capacity to accommodate the proposed stage of the Concept Proposal, and if the proposed stage would trigger the need for any road upgrades, including those identified in the traffic modelling for the MRP;	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered																																			
	(g) if road upgrades are required to support the proposed stage, identify the timing and mechanisms to contribute to the delivery of the required road upgrades.	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered																																			
A15	The outcomes of the Infrastructure Review must be used to inform the Staging Plan required by Condition A10.	Future development applications	ER to review any future Infrastructure review to support proposals.		Not triggered																																			
Noise Limits																																								
A16	The Applicant must:																																							
	(a) ensure the Development at the site does not exceed the noise limits outlined in Table 2 when measured at the identified locations shown in Appendix 3; and	Operation of estate			Not triggered																																			
	(b) ensure the cumulative noise emission of fixed mechanical plant for each warehouse building must be no more than 90 dBA and must not exhibit tonal characteristic or strong low frequency content.	Operation of estate			Not triggered																																			
	Table 2 Operational Noise Limits for Development dB(A) <table><tr><th>Location</th><th>Day</th><th>Evening</th><th colspan="2">Night</th></tr><tr><td></td><td>L_{Aeq} (15 minute)</td><td>L_{Aeq} (15 min)</td><td>L_{Aeq} (15 min)</td><td>L_{Amax}</td></tr><tr><td>NML 1</td><td>50</td><td>50</td><td>47</td><td>63</td></tr><tr><td>NML 2</td><td>62</td><td>62</td><td>60</td><td>79</td></tr><tr><td>NML 3</td><td>64</td><td>64</td><td>61</td><td>79</td></tr><tr><td>NML 4</td><td>65</td><td>65</td><td>62</td><td>82</td></tr><tr><td>NML 5</td><td>66</td><td>66</td><td>64</td><td>82</td></tr></table>	Location	Day	Evening	Night			L _{Aeq} (15 minute)	L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{Amax}	NML 1	50	50	47	63	NML 2	62	62	60	79	NML 3	64	64	61	79	NML 4	65	65	62	82	NML 5	66	66	64	82	Operation of estate			Not triggered
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	Noise generated by the development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Noise Policy for Industry (EPA, 2017) (as may be updated or replaced from time to time). Refer to the plan in Appendix 3 for the location of residential sensitive receivers.				
Mamre Road Precinct Working Group					
A17	For the duration of construction works for each development under the Concept Proposal, and until all components of the development under the Concept Proposal are operational, the Applicant must participate in the Mamre Road Precinct Working Group with relevant consent holders in the MRP to the satisfaction of the Planning Secretary (see Condition C34 in Schedule 2).	Stage 1 construction	To be established when further developments are approved in the Mamre Rd Precinct.		Not triggered
Evidence of Consultation					
A18	Where conditions of this consent require consultation with an identified party, the Applicant must:	Stage 1 construction At All Times	Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
	(a) consult with the relevant party prior to submitting the subject document to the Planning Secretary for approval; and	Stage 1 construction At All Times	Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant

	(b) provide details of the consultation undertaken including:	Stage 1 construction At All Times	Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
	(i) the outcome of that consultation, matters resolved and unresolved; and	Stage 1 construction At All Times	Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
	(ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.	Stage 1 construction At All Times	Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
Staging, Combining and Updating Strategies, Plans or Programs					
A19	With the approval of the Planning Secretary, the Applicant may:	Future development applications			Not triggered
	(a) prepare and submit any strategy, plan or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program);	Future development applications	ER to review any future staging plans.		Not triggered

	(b) combine any strategy, plan or program required by this consent (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and	Future development applications	ER to review any future staging plans.		Not triggered
	(c) update any strategy, plan or program required by this consent (to ensure the strategies, plans and programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).	Future development applications	ER to review any future staging plans.		Not triggered
A20	If the Planning Secretary agrees, a strategy, plan or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent.	Future development applications	ER to review any future staging plans.		Not triggered
A21	If approved by the Planning Secretary, updated strategies, plans, or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan, or program.	Future development applications	ER to review any future staging plans.		Not triggered
Advisory Notes					
AN1	All licences, permits, approvals and consents as required by law must be obtained and maintained as required for the development. No condition of this consent removes any obligation to obtain, renew or comply with such licences, permits, approvals and consent.	At All Times	The ER to monitor that all licences, permits, and approvals/consents are obtained/maintained as required by law and/or as detailed within the CEMP.	This compliance report. Induction records from the site.	Compliant
Part B - CONDITIONS FOR FUTURE DEVELOPMENT APPLICATIONS					
Traffic Impact Assessment					
B1	Future DAs shall be accompanied by a traffic impact assessment (TIA). The TIA must:	Future development applications	Future DAs will be accompanied by a revised Traffic Impact Assessment in a revised CTMP.		Not triggered
	(a) assess the impacts on the safety and capacity of the surrounding road network and access points during construction and operation of the relevant stage in accordance with relevant TFNSW guidelines;	Future development applications	Future DAs will be accompanied by a revised Traffic Impact Assessment in a revised CTMP.		Not triggered
	(b) include traffic monitoring data collected under Condition D3 and incorporate the relevant findings into this assessment;	Future development applications	Future DAs will be accompanied by a revised Traffic Impact Assessment in a revised CTMP.		Not triggered
	(c) demonstrate internal roads and car parking complies with relevant Australian Standards and the car parking rates in Condition B2;	Future development applications	Future DAs will be accompanied by a revised Traffic Impact Assessment in a revised CTMP.		Not triggered

	(d) demonstrate the Mamre Road/Access Road 1 intersection can accommodate operational traffic associated with the relevant stage;	Future development applications	Future DAs will be accompanied by a revised Traffic Impact Assessment in a revised CTMP.		Not triggered
	(e) detail the scope and timing of any required road or intersection upgrades to service the relevant stage if the assessment under sub-clause (d) identifies that additional upgrades are required; and	Future development applications	Future DAs will be accompanied by a revised Traffic Impact Assessment in a revised CTMP.		Not triggered
	(f) detail measures to promote non-car travel modes, including a Sustainable Travel Plan identifying pedestrian and cyclist facilities to service the relevant stage of the development.	Future development applications	Future DAs will be accompanied by a revised Traffic Impact Assessment in a revised CTMP.		Not triggered
Car Parking					
B2	Car parking must be provided in accordance with the RMS Guide to Traffic Generating Developments and at the following rates: - Warehouse and distribution centre: 1 space per 300 m2 - Office: 1 space per 40 m2 - Café: 1 space per 10 m2.	Building construction	The future OEMP will account for car parking as per condition requirements.		Not triggered
Access					
B3	Future developments on the site must meet the following requirements:	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the development are constructed and maintained in accordance with the latest version of Australian Standards AS 1428.1 Design for Access and Mobility - General Requirements for Access - New Building Work, AS 2890.1, AS 2890.2 and AS 2890.6;	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant Austroads guidelines;	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(c) vehicles must not queue on the public road network;	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(d) heavy vehicles and bins associated with the development are not parked on local roads or footpaths in the vicinity of the site;	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered

	(e) all vehicles are wholly contained on site before being required to stop;	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(f) all loading and unloading of materials is carried out on-site;	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(g) all vehicles enter and exit the site in a forward direction;	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(h) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network; and	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
	(i) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.	Future development applications	Future DAs will address the condition requirement in a revised CTMP.		Not triggered
Bike Parking and End-of-Trip Facilities					
B4	Bicycle parking and end-of-trip facilities is to be provided with suitable pedestrian connections linking these facilities with the offices/ warehouses in accordance with relevant guidelines and standards.	Building construction	The future OEMP will account for bicycle parking as per condition requirements.		Not triggered
Future Freight Network					
B5	Future DAs must make appropriate provision for the freight network identified in the MRP DCP, including the alignment and width of the corridor and access to the network within the site, to the satisfaction of TFNSW.	Future development applications	Future DAs will address the condition requirement.		Not triggered
Stormwater Management					
B6	Future development on the site must achieve compliance with the Integrated Water Cycle Management (IWCM) controls in the MRP DCP in accordance with the Draft Technical Guidance for achieving Wianamatta South Creek Stormwater Management Targets (NSW Government, 2022). The Applicant must ensure sufficient land is reserved for stormwater management purposes, unless the Applicant provides evidence that an agreement is in place to demonstrate that the development is integrated into the regional stormwater system.	Future development applications	Future DAs will address the condition requirement to achieve compliance with the Integrated Water Cycle Management (IWCM).		Not triggered

B7	Future DAs must include an update to the Stormwater Management Strategy (SMS) required under Condition D29(e). The strategy must:	Future development applications	Future DAs will address the condition requirement to update the Stormwater Management Plan.		Not triggered
	(a) be prepared by a suitably qualified chartered professional engineer with experience in modelling design and supervision of WSUD systems in consultation with the relevant stormwater management authority;		Future DAs will address the condition requirement to update the Stormwater Management Plan by a suitably qualified professional.		Not triggered
	(b) consider the approved or as modified stormwater management system for preceding stages of the development, including compliance of this system with the IWCM controls of the MRP DCP (refer to Condition D29);		Future DAs will address the condition requirement to consider the preceding stormwater management system.		Not triggered
	(c) demonstrate the relevant stage can comply with the IWCM controls of the MRP DCP;		Future DAs will address the condition requirement to achieve compliance with the Integrated Water Cycle Management (IWCM).		Not triggered
	(d) include an assessment of any impacts on salinity and sodic soils from the future development including any proposed WSUD infrastructure; and		Future DAs will address the condition requirement to assess impacts of saline or sodic soils.		Not triggered
	(e) detail what infrastructure may be required to connect to a precinct-wide stormwater management system for the relevant stage.		Future DAs will address the condition requirement to detail infrastructure connections.		Not triggered
Development Contributions					
B8	Prior to the issue of a Construction Certificate (or at a time otherwise permitted by the contributions plan or agreed by Council) for any future stage of the Development, the Applicant must pay contributions to Council as required in accordance with the Penrith City Mamre Road Precinct Development Contributions Plan 2022, or any other contributions plan as in force when the later consent takes effect.	Stage 1 construction	Negotiating with local authority to defer payment of contributions.		Not triggered
	<i>Note: Subject to agreement between Council and the Applicant, local contributions may be satisfied by a planning agreement or works-in-kind agreement between Council and the Applicant.</i>				

B9	The Environmental Planning and Assessment (Special Infrastructure Contribution – Western Sydney Aerotropolis) Determination 2022 requires special infrastructure contributions to be made for development on rezoned land within the Western Sydney Aerotropolis Special Infrastructure Contributions Area (within the meaning of that Determination). Accordingly, any special infrastructure contribution imposed by a condition of consent to a subsequent development application in relation to the site to which this consent applies is to be determined in accordance with that Determination, or any subsequent determination of the Minister under section 7.23 of the Environmental Planning and Assessment Act 1979, (NSW), as in force when the later consent takes effect.	Stage 1 construction	If/when required a contribution is required under the Special Infrastructure Contribution – Western Sydney Aerotropolis) Determination 2022 it will be recorded.		Not triggered
B10	Future DAs must be accompanied by a Noise and Vibration Impact Assessment. The assessment must:	Future development applications	A specialist consultant will be engaged to prepare Noise and Vibration Impact Assessment. ER to review the Assessment prior to submission to the Planning Secretary.		Not triggered
	(a) identify the noise and vibration impacts during construction and operation;		ER to review the Assessment against conditions of consent.		Not triggered
	(b) demonstrate compliance with the noise limits in Condition A16;		ER to review the Assessment against conditions of consent.		Not triggered
	(c) provide an analysis of all external plant and equipment, including but not limited to, forklifts, air conditioners and refrigeration systems and on-site vehicle movements;		ER to review the Assessment against conditions of consent.		Not triggered
	(d) incorporate noise mitigation measures, such as increased building setbacks, building insulation, noise barriers, layout of truck loading areas or source controls, to demonstrate the noise limits in Condition A16 can be achieved;		ER to review the Assessment against conditions of consent.		Not triggered
	(e) recommend mitigation and management measures (excluding measures at receivers) to be implemented to minimise noise during construction and operation.		ER to review the Assessment against conditions of consent.		Not triggered
Visual Amenity					
Landscaping					

B11	Landscaping design for future developments must comply with the relevant requirements under the MRP DCP.	Future development applications	Future DAs will address the condition requirement to achieve landscape compliance with the MRP DCP.		Not triggered
B12	Future development must be accompanied by a Landscape Plan consistent with the key principles and plant species described in the Landscape Plans titled Aspect Industrial Estate, Mamre Road, Kemps Creek Landscape Masterplan, Dated October 2020.	Future development applications	Future DAs will address the condition requirement to be consistent with landscape principles.		Not triggered
Outside Lighting					
B13	Future development must ensure compliance with Australian Standards AS/NZS 1158.3.1:2005 Pedestrian Area (Category P) Lighting and AS/NZS 4282:2019 Control of Obtrusive Effects of Outdoor Lighting.	Future development applications	Future DAs will address the condition requirement to achieve Australian Standards in relation to lighting.		Not triggered
Signage					
B14	Future development must include details of any external advertising signage and demonstrate compliance with the requirements of Condition D40 and Chapter 3 of the State Environmental Planning Policy (Industry and Employment) 2021 (or any substituted SEPP).	Future development applications	Future DAs will address the condition requirement to include details of any external advertising.		Not triggered
Glazing					
B15	The visible light reflectivity from building materials used in façades along Mamre Road and the internal road frontages must meet the minimum requirements of the MRP DCP.	Building construction	Building designs will meet minimum requirements of MRP DCP.		Not triggered
Bushfire Protection					
B16	The Applicant shall ensure future DAs comply with:	Future development applications			Not triggered
	(a) the relevant provisions of Planning for Bushfire Protection (NSW RFS, 2019);		Future DAs will address the condition requirement relating to Bushfire Protection.		Not triggered
	(b) the construction standards and asset protection zone requirements recommended in the Bushfire Assessment for the Proposed Aspect Industrial Estate, prepared by Australian Bushfire Protection Planners Pty Limited, dated 6 October 2020; and		Future DAs will address the condition requirement relating to Bushfire Protection.		Not triggered
	(c) Australian Standard AS2419.1-2005 Fire hydrant installations System design, installation, and commissioning.		Future DAs will address the condition requirement relating to Fire hydrant installations.		Not triggered

Endeavour Energy					
B17	The Applicant must obtain relevant approvals from Endeavour Energy, or relevant service provider, prior to the construction of any electricity utility works to service each stage of the development.	Prior to construction of Electricity Utility works	ER to view record of consultation prior to commencement of construction which indicates relevant consultation has been undertaken.	Approved Endeavour Energy drawings are to be obtained prior to commencement of construction. Evidence: - Stamped plans for ARP5023 - Stamped plans for UIS0882	Compliant
Sydney Water					
B18	Before the commencement of operation of any future developments, the Applicant must obtain a Compliance Certificate for water and sewerage infrastructure servicing of the site under section 73 of the Sydney Water Act 1994 (NSW).	Operation of estate	Er to review compliance certificate to be obtained prior to operations.		Not triggered
External Walls and Cladding					
B19	The external walls of all future buildings must comply with the relevant requirements of the BCA.	Building construction	ER to view BCA compliance certificates of future materials.		Not triggered
B20	"Future development involving the construction of external walls must ensure that the products and systems proposed for use or used in the construction of external walls (including finishes and claddings such as synthetic or aluminium composite panels) comply with the requirements of the BCA. <i>Note: Documentary evidence that these comply with the BCA will need to be provided to the Certifier prior to the issue of any construction certificate for these works and prior to the Occupation Certificate. A copy of the documentation given to the Certifier will also be required to be provided to the Planning Secretary within seven days after the Certifier accepts it.</i>	Future development applications	ER to view BCA compliance certificates of future materials.		Not triggered
Part C - STAGE 1 DEVELOPMENT GENERAL CONDITIONS					
Obligation to Minimise Harm to the Environment					
C1	In addition to meeting the specific performance measures and criteria in this consent, all reasonable and feasible measures must be implemented to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the Stage 1 Development, and any rehabilitation required under this consent.	Stage 1 Construction At all times	ER to review controls noted in approved CEMP prior to commencement of construction.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22	Compliant
Terms of Consent					

C2	The Stage 1 development may only be carried out:	Stage 1 Construction	ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant
	(a) in compliance with the conditions of this consent;	Stage 1 Construction	ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant
	(b) in accordance with all written directions of the Planning Secretary;	Stage 1 Construction	ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant
	(c) in accordance with the EIS, RTS, and ADR;	Stage 1 Construction	ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant

	(d) in accordance with the Development Layout in Appendix 2; and	Stage 1 Construction	ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant
	(e) in accordance with the management and mitigation measures in Appendix 4.	Stage 1 Construction	ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant
C3	Consistent with the requirements in this consent, the Planning Secretary may make written directions to the Applicant in relation to:	Stage 1 Construction At all times	ER to review any directions provided by the Planning Secretary.		Not triggered
	(a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Planning Secretary; and		ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant

	(b) the implementation of any actions or measures contained in any such document referred to in condition C2(a).		ER to review CEMP prior to submission to the Planning Secretary. Approved CEMP to be in place prior to commencement. Regular ER inspections.	Within CEMP submitted to DPE 19/07/22 Approved by DPIE; Stage 1: 15/08/22 ER inspection reports: - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM	Compliant
C4	The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in condition C2(c) or C2(e). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in condition C2(c) or C2(e), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.	Stage 1 Construction At all times	ER to review any directions provided and clarify and inconsistencies identified.		Not triggered
Limits of Consent					
Lapsing					
C5	This consent lapses five years after the date from which it operates unless the Stage 1 Development has physically commenced on the land to which the consent applies before that date.	Stage 1 Construction	ER to review notice of commencement.	Notice of commencement submitted to DPE email dated 01/06/22.	Compliant
Maximum GFA					
C6	The maximum GFA for the Stage 1 Development must not exceed the limits described in Table 3.	Building construction	ER to review design to ensure compliance with requirement.		Not triggered

	Table 3 Maximum GFA for the Stage 1 Development		Building construction	ER to review design to ensure compliance with requirement.		Not triggered
	Land Use	Maximum GFA (m²)				
	Warehouse 1					
	Warehouse and distribution centres and general industrial	34,970				
	Ancillary offices	1,630				
	Café	122				
	Subtotal	36,722				
	Warehouse 3					
	Warehouse and distribution centres and general industrial	20,735				
	Ancillary offices	850				
	Subtotal	21,535				
	Total	58,257				
Notification of Commencement						
C7	The date of commencement of each of the following phases of the Stage 1 Development must be notified to the Department in writing, at least one month before that date:					
	(a) construction; and		Stage 1 Construction	ER to review notice of commencement.	Notice of commencement submitted to DPE email dated 01/06/22.	Compliant
	(b) operation.		Operation of estate	ER to review notice of commencement.		Not triggered
Evidence of Consultation						
C8	Where conditions of this consent require consultation with an identified party, the Applicant must:		Stage 1 Construction	Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none">- PCC dated 23/06/22- Sydney Water dated 23/06/22- TfNSW dated 23/06/22- ER dated 07/06/22- PCC dated 08/06/22- TfNSW 08/06/22- TfNSW 01/06/22	Compliant

	(a) consult with the relevant party prior to submitting the subject document to the Planning Secretary for approval; and		Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
	(b) provide details of the consultation undertaken including:		Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
	(i) the outcome of that consultation, matters resolved and unresolved; and		Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
	(ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.		Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant
Staging, Combining and Updating Strategies, Plans or Programs					

C9	With the approval of the Planning Secretary, the Applicant may:	Stage 1 Construction At All Times	ER to review any future staging plan, strategy or program developed in compliance with consent conditions.		Not triggered
	(a) prepare and submit any strategy, plan or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program);		ER to review any future staging plan, strategy or program developed in compliance with consent conditions.		Not triggered
	(b) combine any strategy, plan or program required by this consent (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and		ER to review any future staging plan, strategy or program developed in compliance with consent conditions.		Not triggered
	(c) update any strategy, plan or program required by this consent (to ensure the strategies, plans and programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).		ER to review any future staging plan, strategy or program developed in compliance with consent conditions.		Not triggered
C10	If the Planning Secretary agrees, a strategy, plan or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent.	Stage 1 Construction At All Times	ER to review any future staging plan, strategy or program developed in compliance with consent conditions.		Not triggered
C11	If approved by the Planning Secretary, updated strategies, plans, or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan or program.	Stage 1 Construction At All Times	ER to review any future staging plan, strategy or program developed in compliance with consent conditions.		Not triggered
Protection of Public Infrastructure					
C12	Before the commencement of construction, the Applicant must:	Stage 1 Construction			
	(a) consult with the relevant owner and provider of services that are likely to be affected by the Stage 1 Development to make suitable arrangements for access to, diversion, protection, and support of the affected infrastructure;		Records of consultation completed available upon request for review by ER.	Refer to the following records of consultation undertaken post approval: <ul style="list-style-type: none"> - PCC dated 23/06/22 - Sydney Water dated 23/06/22 - TfNSW dated 23/06/22 - ER dated 07/06/22 - PCC dated 08/06/22 - TfNSW 08/06/22 - TfNSW 01/06/22 	Compliant

	(b) prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the site (including roads, gutters, and footpaths); and		ER to review consultation relating to Dilapidation report prior to Commencement.	Dilapidation report submitted with a response for no further actions required received 03/06/22.	Compliant
	(c) submit a copy of the dilapidation report to the Planning Secretary and TFNSW.		ER to review consultation relating to Dilapidation report prior to Commencement.	Dilapidation report submitted with a response for no further actions required received 03/06/22.	Compliant
C13	Unless the Applicant and the applicable authority agree otherwise, the Applicant must:	Stage 1 Construction	ER to review endorsed designs which identify any utility relocation.	Approved utility designs obtained prior to commencement of construction. Evidence: - Stamped plans for ARP5023 - Stamped plans for CN191458PW	Compliant
	(a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by carrying out the development; and		ER to review endorsed designs which identify any utility relocation.	Approved utility designs obtained prior to commencement of construction. Evidence: - Stamped plans for ARP5023 - Stamped plans for CN191458PW	Not triggered
	(b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.		ER to review endorsed designs which identify any utility relocation.	Approved utility designs obtained prior to commencement of construction. Evidence: - Stamped plans for ARP5023 - Stamped plans for CN191458PW	Compliant
Demolition					
C14	All demolition must be carried out in accordance with Australian Standard AS 2601-2001 The Demolition of Structures (Standards Australia, 2001).	Stage 1 Construction	ER to review SWMS for demolition work.	Subcontractor SWMS accepted by site contractor: - Safe Work Method Statement Aspect Demolition at Mamre Road Kemps Creek - Safe Work Method Statement Aspect Demolition at Mamre Road Kemps Creek	Compliant
Structural Adequacy					
C15	All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the development, must be constructed in accordance with the relevant requirements of the Building Code of Australia (BCA).	Building construction	ER to review evidence of BCA compliance of future structures.		Not triggered

	<p><i>Note:</i></p> <ul style="list-style-type: none"> - Under Part 6 of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works. - Part 8 of the EP&A Regulation sets out the requirements for the certification of the development. 				
Subdivision					
C16	Prior to the issuing of a Subdivision Certificate for any stage of the development, detailed work-as-executed drawings shall be prepared and signed by a Registered Surveyor, which show the finished surface levels of the access road, internal roads, drainage, and any areas of fill, carried out under this consent. The work-as-executed drawing must be submitted to the Certifier and Council prior to the issue of a Subdivision Certificate.	Stage 1 Construction	The ER will monitor and cite work as executed drawings. This will be reported in the ER Reports.		Not triggered
C17	Prior to the issuing of a Subdivision Certificate for any stage of the development, the Applicant must provide to the Certifier evidence that all matters required to be registered on title, including easements, have been lodged for registration or registered at the Land Registry Services.	Stage 1 Construction	The ER will monitor and cite evidence of documentation. This will be reported in the ER Reports.		Not triggered
C18	Prior to the issuing of a Subdivision Certificates for any stage of the development, a certificate from an electricity and telecommunications provider must be submitted to the Certifier certifying that satisfactory service arrangements to the site have been established.	Stage 1 Construction	The ER will monitor and cite evidence of documentation. This will be reported in the ER Reports.		Not triggered
Compliance					
C19	The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.	Stage 1 Construction At all times	The ER can cite records of induction which include an overview of the consent conditions.	Record of induction to the site dated 08/11/22.	Compliant
Development Contributions					
C20	Prior to the issue of a Construction Certificate (or at a time otherwise permitted by the contributions plan or otherwise agreed by Council) for any building in the Stage 1 Development, the Applicant must pay contributions to Council in accordance with the Penrith City Mamre Road Precinct Development Contributions Plan 2022.	Stage 1 Construction	Negotiating with local authority to defer payment of contributions.		Not triggered

	<i>Note: subject to agreement between Council and the Applicant, local contributions may be satisfied by a planning agreement or works-in-kind agreement between Council and the Applicant.</i>				
C21	<p>A special infrastructure contribution must be made in accordance with the Environmental Planning and Assessment (Special Infrastructure Contribution – Western Sydney Aerotropolis) Determination 2022 (2022 Determination) as in force when this development consent takes effect, for the first stage of development to which this consent applies.</p> <p>A person may not apply for a subdivision certificate or construction certificate (as the case may require, having regard to the 2022 Determination) in relation to the first stage of development unless the person provides, with the application, written evidence from the Department of Planning and Environment that the special infrastructure contribution for the first stage of development (or that part of the development for which the certificate is sought) has been made or that arrangements are in force with respect to the making of the contribution.</p> <p>A special infrastructure contribution may also be required to be made for further development that consists of, or involves, development on rezoned land within the meaning of the 2022 Determination on the site to which this consent applies.</p> <p>Any special infrastructure contribution imposed by a condition of consent to a subsequent development application is to be determined in accordance with the 2022 Determination, or any subsequent determination of the Minister under section 7.23 of the Environmental Planning and Assessment Act 1979, as in force when that later consent takes effect.</p>	Stage 1 Construction	If/when required a contribution is required under the Special Infrastructure Contribution – Western Sydney Aerotropolis) Determination 2022 it will be recorded.		Not triggered

	<p>More information: A request for assessment by the Department of Planning and Environment of the amount of the contribution that is required under this condition can be made through the NSW planning portal (https://www.planningportal.nsw.gov.au/development-assessment/contributions/sic-online-service). Please refer enquiries to SIContributions@planning.nsw.gov.au.</p>				
Operation of Plant and Equipment					
C22	All plant and equipment used on site, or to monitor the performance of the Stage 1 Development, must be:	Stage 1 Construction	ER can cite maintenance records of plant and equipment utilised on site for construction.	Maintenance records available subcontractor plant on site.	Compliant
	(a) maintained in a proper and efficient condition;		ER can cite maintenance records of plant and equipment utilised on site for construction.	Maintenance records available subcontractor plant on site.	Compliant
	(b) noise amelioration featured; and		ER can cite maintenance records of plant and equipment utilised on site for construction.	Maintenance records available subcontractor plant on site.	Compliant
	(c) operated in a proper and efficient manner.		ER can cite maintenance records of plant and equipment utilised on site for construction.	Maintenance records available subcontractor plant on site.	Compliant
External Walls and Cladding					
C23	The external walls of all buildings including additions to existing buildings must comply with the relevant requirements of the BCA.	Building construction	ER to cite evidence of BCA compliance.		Not triggered
C24	Prior to the issue of:	Building construction			Not triggered
	(a) any Construction Certificate relating to the construction of external walls (including the installation of finishes and claddings such as synthetic or aluminium composite panels); and	Building construction	ER to cite evidence of BCA compliance.		Not triggered
	(b) an Occupation Certificate, the Applicant must provide the Certifier with documented evidence that the products and systems proposed for use or used in the construction of external walls (including finishes and claddings such as synthetic or aluminium composite panels) comply with the requirements of the BCA.	Building construction	ER to cite evidence of BCA compliance.		Not triggered
C25	The Applicant must provide a copy of the documentation given to the Certifier to the Planning Secretary within seven days after the Certifier accepts it.	Building construction	ER to cite evidence of BCA compliance.		Not triggered

Utilities and Services					
C26	Before the construction of any utility works associated with the Stage 1 Development, the Applicant must obtain relevant approvals from service providers.	Stage 1 Construction	ER to cite endorsed designs prior to construction.	Approved utility designs obtained prior to commencement of construction. Evidence: - Stamped plans for ARP5023 - Stamped plans for CN191458PW	Compliant
C27	Before the commencement of operation of the development, the Applicant must obtain a Compliance Certificate for water and sewerage infrastructure servicing of the site under section 73 of the Sydney Water Act 1994 (NSW).	Operation of estate	ER to cite water and sewerage infrastructure servicing of the site under section 73 of the Sydney Water Act 1994 (NSW).		Not triggered
C28	Before the issue of a Subdivision or Construction Certificate for any stage of the development, the Applicant (whether or not a constitutional corporation) is to provide evidence, satisfactory to the Certifier, that arrangements have been made for:	Operation of estate			Not triggered
	(a) the installation of fibre-ready facilities to all individual lots and/or premises in a real estate development project to enable fibre to be readily connected to any premises that is being or may be constructed on those lots; and	Building Construction	ER to cite endorsed designs prior to construction.		Not triggered
	(b) the provision of fixed-line telecommunications infrastructure in the fibre-ready facilities to all individual lots and/or premises in a real estate development project demonstrated through an agreement with a carrier.	Building Construction	ER to cite endorsed designs prior to construction.		Not triggered
C29	Before the issue of the final Occupation Certificate the Applicant must demonstrate that the carrier has confirmed in writing they are satisfied that the fibre ready facilities are fit for purpose.	Operation of estate	ER to cite letter endorsing fibre installation.		Not triggered
Works as Executed Plans					
C30	Before the issue of the final Occupation Certificate, works-as-executed drawings signed by a registered surveyor demonstrating that the stormwater drainage and finished ground levels have been constructed as approved, must be submitted to the Principal Certifier.	Operation of estate	ER to cite works-as-executed drawings signed by a registered surveyor		Not triggered
Environmental Representative					

C31	The Applicant must engage an Environmental Representative (ER) to oversee construction of the Stage 1 Development. Unless otherwise agreed to by the Planning Secretary, construction of the Stage 1 development must not commence until an ER has been approved by the Planning Secretary and engaged by the Applicant. The approved ER must:	Stage 1 Construction At All times	ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(a) be a suitably qualified and experienced person who was not involved in the preparation of the EIS, Rts, ADR, and any additional information for the Stage 1 Development and is independent from the design and construction personnel for the Stage 1 Development;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(b) receive and respond to communication from the Planning Secretary in relation to the environmental performance of the Stage 1 development;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(c) consider and inform the Planning Secretary on matters specified in the terms of this consent;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(d) consider and recommend to the Applicant any improvements that may be made to work practices to avoid or minimise adverse impact to the environment and to the community;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant

	(e) review the CEMP required in Condition E2 and any other documents that are identified by the Planning Secretary, to ensure they are consistent with requirements in or under this consent and if so:		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(i) make a written statement to this effect before submission of such documents to the Planning Secretary (if those documents are required to be approved by the Planning Secretary); or		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(ii) make a written statement to this effect before the implementation of such documents (if those documents are required to be submitted to the Planning Secretary/Department for information or are not required to be submitted to the Planning Secretary/Department);		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(f) regularly monitor the implementation of the CEMP to ensure implementation is being carried out in accordance with the document and the terms of this consent;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(g) as may be requested by the Planning Secretary, help plan, attend or undertake audits of the development commissioned by the Department including scoping audits, programming audits, briefings, and site visits;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant

	(h) as may be requested by the Planning Secretary, assist the Department in the resolution of community complaints;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(i) provide advice to the Applicant on the management and coordination of construction works on the site with adjoining sites in the Mamre Road Precinct in relation to construction traffic management, earthworks and sediment control and noise;		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(j) attend the Mamre Road Precinct Working Group (see Condition C34) in a consultative role in relation to the environmental performance of the Stage 1 development; and		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
	(k) prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, an Environmental Representative Quarterly Report providing the information set out in the Environmental Representative Protocol under the heading 'Environmental Representative Quarterly Reports'. The Environmental Representative Quarterly Report must be submitted within seven calendar days following the end of each quarter for the duration of the ER's engagement for the development, or as otherwise agreed with the Planning Secretary.		ER to site endorsement from DPE to compete the role	DPE approval letters for ER as Maurice Pignatelli dated 07/06/22 And DPE approval for alternate ER as Ben Bracken dated 08/07/22.	Compliant
C32	The Applicant must provide the ER with all documentation requested by the ER in order for the ER to perform their functions specified in condition C31 (including preparation of the ER monthly report), as well as:	Stage 1 Construction	ER to cite documentation as required.		Compliant
	(a) the complaints register (to be provided on a daily basis); and		ER to cite complaints register daily.	Complaints register dated 02/09/22.	Compliant

	(b) a copy of any assessment carried out by the Applicant of whether proposed work is consistent with the consent (which must be provided to the ER before the commencement of the subject work).		ER to cite and review consistency statements.	Consistency Assessments relating to: <ul style="list-style-type: none"> - Temporary intersection PW relocation; no further comments from ER 15/06/22. - Driveway relocation; no further comments from ER 18/07/22. - Hotspot and ACM remediation; no further comments from ER 28/06/22. - Compound establishment; no further comments from ER 12/08/22. 	Compliant
C33	The Planning Secretary may at any time commission an audit of an ER's exercise of its functions under condition E16. The Applicant must:	At all times	Applicant to facilitate audit.		Not triggered
	(a) facilitate and assist the Planning Secretary in any such audit; and	At all times	Applicant to facilitate audit.		Not triggered
	(b) make it a term of their engagement of an ER that the ER facilitate and assist the Planning Secretary in any such audit.	At all times	Applicant to facilitate audit.		Not triggered
Mamre Road Precinct Working Group					
C34	Within three months of the commencement of construction of the Stage 1 Development and until all components of the Stage 1 development are constructed and operational, the Applicant must establish and participate in a working group with relevant consent holders in the MRP, to the satisfaction of the Planning Secretary. The purpose of the working group is to consult and coordinate construction works within the MRP to assist with managing and mitigating potential cumulative environmental impacts. The working group must:	Stage 1 Construction	ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered
	(a) comprise at least one representative of the Applicant, the Applicant's ER, and relevant consent holders in the MRP;		ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered
	(b) meet periodically throughout the year to discuss, formulate and implement measures or strategies to improve monitoring, coordination of the approved industrial developments in the MRP;		ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered

	(c) regularly inform Council, TFNSW, Sydney Water and the Planning Secretary of the outcomes of these meetings and actions to be undertaken by the working group;		ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered
	(d) review the performance of approved industrial developments in the MRP and identify trends in the data with respect to cumulative construction traffic, erosion and sediment control, noise, stormwater management and waterway health objectives under the MRP DCP;		ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered
	(e) review community concerns or complaints with respect to environmental management;		ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered
	(f) identify interim traffic safety measures to manage construction traffic and how these measures will be coordinated, communicated, funded and monitored in the MRP; and		ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered
	(g) provide the Planning Secretary with an update and strategies, if a review under subclause (d) and (e) identifies additional measures and processes are required to be implemented by the working group.		ER to cite evidence of establishment of working group. To be established when further developments are approved.		Not triggered
C35	Three (3) months prior to completion of construction of all components of the Stage 1 development, the Applicant is eligible to exit the working group required under condition C34. The Applicant must:	Stage 1 Construction	ER to cite evidence of exit of working group.		Not triggered
	(a) consult with the Planning Secretary;		ER to cite evidence of consultation exit of working group.		Not triggered
	(b) provide confirmation that all components of the Stage 1 development are operational; and		ER to cite evidence of operation documentation.		Not triggered
	(c) advise on the date of the proposed exit.		ER to cite evidence of exit of working group.		Not triggered
Applicability of Guidelines					

C36	"References in the conditions of this consent to any guideline, protocol, Australian Standard, or policy are to such guidelines, protocols, standards, or policies in the form they are in as at the date of this consent.	At All Times	ER to cite evidence of date of any guideline, protocol, Australian Standard, or policy are to such guidelines, protocols, standards, or policies in the form when required to be referred to.	Evidence of date associated with guideline, protocol, Australian Standard, or policy are to such guidelines, protocols, standards, or policies when/if referenced.	Not triggered
Advisory Notes					
AN1	All licences, permits, approvals and consents as required by law must be obtained and maintained as required for the development. No condition of this consent removes any obligation to obtain, renew or comply with such licences, permits, approvals and consents.	At All Times	The ER to monitor that all licences, permits, and approvals/consents are obtained/maintained as required by law and/or as detailed within the CEMP.	This compliance report. Induction records from the site.	Compliant
Part D - STAGE 1 DEVELOPMENT SPECIFIC CONDITIONS					
Traffic and Access					
Traffic and Access					
Construction Traffic Management Plan					
D1	Prior to the commencement of construction of the Stage 1 Development, the Applicant must prepare a Construction Traffic Management Plan (CTMP) for the development to the satisfaction of the Planning Secretary. The plan must form part of the CEMP required by condition E2 and must:	Stage 1 Construction	A specialist consultant will be engaged to prepare CTMP. ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) be prepared by a suitably qualified and experienced person(s);		A specialist consultant will be engaged to prepare CTMP. ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) be prepared in consultation with Council and TFNSW;		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(c) detail the traffic management and contingency measures that are to be implemented for the site, particularly during the construction works for the Mamre Road/Access Road 1 intersection, to ensure access to the site and road safety and network efficiency is maintained, including interim traffic safety controls and management measures;		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(d) detail heavy vehicle routes, access, and parking arrangements;		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(e) include a Driver Code of Conduct to:		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(i) minimise the impacts of earthworks and construction on the local and regional road network;		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(ii) minimise conflicts with other road users;		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(iii) minimise road traffic noise; and		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(iv) ensure truck drivers use specified routes;		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(f) include a program to monitor the effectiveness of these measures; and		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(g) if necessary, detail procedures for notifying residents and the community (including local schools), of any potential disruptions to routes.		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
D2	The Applicant must:	Stage 1 Construction	ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) not commence construction until the CTMP required by condition D1 is approved by the Planning Secretary; and		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(b) implement the most recent version of the CTMP approved by the Planning Secretary for the duration of construction.		ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Operational Traffic Monitoring System					
D3	Prior to commencement of operation of Building 1 or 3 and for a period of 12 months of operation, the Applicant must establish an Operational Traffic Monitoring Program to verify light and heavy vehicle traffic numbers against the predictions in the ADR. The Program must also monitor the effectiveness of the traffic management measures to the satisfaction of the Planning Secretary and include but not be limited to the following:	Operation of estate			Not triggered
	(a) detail the numbers and frequency of truck movements, sizes of trucks, vehicle routes and hours of operation;	Operation of estate			Not triggered
	(b) queue monitoring at the Mamre Road/Access Road 1 intersection and background travel counts on Mamre Road;	Operation of estate			Not triggered
	(c) verify the predicted traffic numbers and level of service against the actual impacts of the Stage 1 Development, and analyse the potential cause of any significant discrepancies;	Operation of estate			Not triggered
	(d) consider the current capacity and efficiency of the existing road network including Mamre Road; and	Operation of estate			Not triggered
	(e) include procedures for the reporting and monitoring of results to evaluate the traffic performance of the Stage 1 Development.	Operation of estate			Not triggered
Internal Access Roads					
D4	Prior to the commencement of any construction works for Building 1 or 3 (excluding site-wide bulk earthworks) as described in the ADR, the Applicant must:	Building Construction			Not triggered
	(a) prepare a concept design of the Stage 1 Phase 2 road works in accordance with the design requirements in the MRP DCP and in consultation with the relevant roads authority, to the satisfaction of the Planning Secretary; and				Not triggered
	(b) consult with the relevant roads authority concerning the processes for dedication of the lands for the internal Access Roads 1 and 3 (North and South) including the roundabout shown in Figure 1: in Appendix 1.				Not triggered

D5	Within one month of registration of lot(s) for internal Access Roads 1 and 3 including the roundabout at the Land Registry Services, the Applicant must notify the Planning Secretary that the lands for the internal Access Roads 1 and 3 (North and South) has been dedicated.	Operation of estate			Not triggered
D6	Prior to issue of an Occupation Certificate for Building 1 or 3, (whichever is the first), the Applicant must construct and operate the Stage 1 Phase 1 road works shown in Figure 4: in Appendix 2 to the satisfaction of relevant road authority.	Operation of estate			Not triggered
D7	Within six months of the approval of this consent or as otherwise agreed by the Planning Secretary, the Applicant must prepare and submit the following plans to facilitate the construction and delivery of Access Road 3 – North, in consultation with Council and landowner of 784-786 Mamre Road, Kemps Creek (Lot 59 DP259135), and to the satisfaction of the Planning Secretary:	Stage 1 Construction	ER to cite plans for Road 3 north construction.		Not triggered
	(a) a Staging Plan for the riparian corridor realignment works and Access Road 3 – North construction, including:	Stage 1 Construction	ER to cite plans for Road 3 north and riparian construction.		Not triggered
	(i) details of the scope of works to be undertaken on the site and the adjoining site at 784-786 Mamre Road, Kemps Creek (Lot 59 DP259135) (see Figure 4);	Stage 1 Construction	ER to cite plans for Road 3 north and riparian construction.		Not triggered
	(ii) details of how the further riparian corridor realignment and road construction works at the junction between the site and 784-786 Mamre Road, Kemps Creek (Lot 59 DP259135) will be coordinated and delivered;	Stage 1 Construction	ER to cite plans for Road 3 north and riparian construction.		Not triggered
	(iii) an arrangement on timing of the works; and	Stage 1 Construction	ER to cite plans for Road 3 north and riparian construction and timing.		Not triggered
	(b) a detailed design plan of Access Road 3 – North prepared in accordance with the design requirements under the MRP DCP.	Stage 1 Construction	ER to cite plans for Road 3 north and riparian construction.		Not triggered
	<i>Note: The detailed design of Access Road 3 - North and any changes to the approved riparian corridor alignment may require modification(s) to SSD-10448 or separate DA(s).</i>	Future development applications	ER to cite DA which addresses changes to Road 3 north and riparian designs.		Not triggered
D8	Prior to issue of an Occupation Certificate for any other buildings or warehouses in the Stage 1 Development, the Applicant must ensure the Stage 1 Phase 2 road works are constructed and operational.	Operation of estate	ER to cite Occupation Certificate.		Not triggered

D9	The Applicant must ensure that the portion of Access Road 3 – North to be located on the site is constructed and operational in accordance with the design plans required under Condition D7.	Stage 1 Construction	ER to cite plans for Road 3 north and riparian construction and timing.		Not triggered
Access Arrangement					
D10	Prior to the commencement of construction of any works (excluding bulk earthworks) for Buildings 1 or 3, the Applicant must submit design plans to the satisfaction of the relevant roads authority, which demonstrates the proposed accesses to the development are designed to accommodate the turning path of a 30 m PBS Level 2 vehicle.	Building Construction			Not triggered
D11	Prior to the commencement of any construction works (excluding bulk earthworks) for Warehouse 1 as described in the EIS, the Applicant must prepare and submit design plans in consultation with TFNSW, FRNSW, and Council, and to the satisfaction of the Planning Secretary, demonstrating access to the development from Access Road 1 complies with relevant FRNSW and TFNSW access requirements.	Building Construction			Not triggered
Mamre Road/Access Road 1 Intersection Works					
D12	Prior to the Applicant entering into a Works Authorisation Deed (WAD) required by condition D13 the Applicant must:	Stage 1 Construction	ER to cite WAD agreement.		Not triggered
	(a) obtain landowners consent and enter into an agreement with the owner(s) of 833B Mamre Road, Kemps Creek (Lot 28, DP258414) to relocate or remove an existing gated driveway on that property outside of the footprint of the Mamre Road / Access Road 1 intersection signals to the satisfaction of Council and the Planning Secretary;	Stage 1 Construction	ER to cite landowners agreement.	Agreement between Mirvac and 833B landowners dated 06/07/22.	Compliant
	(b) provide a copy of the landowner's consent and signed agreement described under condition D12(a) to TFNSW and the Planning Secretary; and	Stage 1 Construction	ER to cite landowners agreement.	Agreement between Mirvac and 833B landowners dated 06/07/22.	Compliant
	(c) remove and relocate the driveway in accordance with the agreement.	Stage 1 Construction	ER to cite works as executed as per landowners agreement.		Not triggered
D13	The Applicant must enter into a Works Authorisation Deed for the intersection works with TFNSW. The WAD must be executed prior to the submission of the detailed design required by condition D12 to TFNSW for approval.	Stage 1 Construction	ER to cite WAD agreement.		Not triggered

D14	Prior to the issue of a construction certificate for the Mamre Road/Access Road 1 intersection (the intersection) construction, the Applicant must finalise and submit the detailed design of the intersection works, including an endorsed Traffic Signal Plan (TSP) to TfNSW for approval. The TSP must:	Stage 1 Construction	ER to cite WAD agreement.		Not triggered
	(a) demonstrate the proposed traffic control light at the intersection is designed in accordance with Austroads Guide to Road Design, RMS Signal Design Manual, and Australian Codes of Practice; and	Stage 1 Construction	ER to cite WAD agreement.		Not triggered
	(b) be approved and endorsed by a suitably qualified practitioner.	Stage 1 Construction	ER to cite WAD agreement.		Not triggered
D15	The Applicant must obtain a Road Occupancy Licence (ROL) from TfNSW Transport Management Centre for any works that may impact on traffic flows on Mamre Road during construction.	Stage 1 Construction	ER to cite ROLs.	Approved ROLs: - 1901806 approved from 01/09/22 to 29/09/22. - 1912920 approved from 14/09/22 to 01/10/22.	Compliant
Redundant Driveways on Mamre Road					
D16	The Applicant must remove redundant driveways on Mamre Road within the site's boundaries and replace with kerb and gutter to match existing in accordance with TfNSW requirements. Detailed design plans of the proposed kerb and gutter are to be submitted to TfNSW for approval prior to the issue of a Construction Certificate and commencement of any road works within Mamre Road.	Stage 1 Construction	ER to cite approved Mamre Rd design when available.		Not triggered
Structural Integrity of Road Infrastructure					
D17	Prior to commencement of any works on Mamre Road, the Applicant must prepare and submit detailed design plans and hydraulic calculations of any changes to the stormwater drainage system to TfNSW for approval.	Stage 1 Construction	ER to cite approved Mamre Rd design and TfNSW endorsement.		Not triggered
D18	At least six weeks prior to commencement of bulk earthworks within Mamre Road, the Applicant must submit design drawings and documents relating to the excavation of the site and support structures in accordance with TfNSW Technical Direction GTD2012/001.	Stage 1 Construction	ER to cite approved Mamre Rd design and TfNSW endorsement.		Not triggered

D19	Should the Applicant propose to excavate below the level of the base of the footings of the adjoining roads and driveways, at least seven days prior to commencement of excavation, the Applicant must provide notice of the intention to excavate below the base of the footings to owner(s) of that roads and driveways. The notice must include complete details of the proposed excavation including but not limited to the extent and duration of works.	Stage 1 Construction	ER to cite approved Mamre Rd design and TfNSW endorsement.		Not triggered
Parking					
D20	The Applicant must provide sufficient parking facilities on-site, including for heavy vehicles and for site personnel, to ensure that traffic associated with the development does not utilise public and residential streets or public parking facilities.	Stage 1 Construction At All Times	ER to review CTMP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Operating Conditions					
D21	The Applicant must ensure:				
	(a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the development are constructed and maintained in accordance with the latest version of AS 2890.1:2004 Parking facilities Off-street car parking (Standards Australia, 2004) and AS 2890.2:2002 Parking facilities Off-street commercial vehicle facilities (Standards Australia, 2002);	Operation of estate			Not triggered
	(b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTROADS guidelines;	Operation of estate			Not triggered
	(c) the development does not result in any vehicles queuing on the public road network;	Operation of estate			Not triggered
	(d) heavy vehicles and bins associated with the development are not parked on local roads or footpaths in the vicinity of the site;	Operation of estate			Not triggered
	(e) all vehicles are wholly contained on site before being required to stop;	Operation of estate			Not triggered
	(f) all loading and unloading of materials is carried out on-site;	Operation of estate			Not triggered
	(g) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network; and	Operation of estate			Not triggered

	(h) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.	Operation of estate			Not triggered
Workplace Travel Plan					
D22	Prior to the commencement of operation of any part of the development, the Applicant must prepare a Workplace Travel Plan and submit a copy to the Planning Secretary. The Workplace Travel Plan must form part of the OEMP required by condition E5 and must:	Operation of estate			Not triggered
	(a) be prepared in consultation with TFNSW and Council;	Operation of estate			Not triggered
	(b) outline facilities and measures to promote public transport usage, such as car share schemes and employee incentives; and	Operation of estate			Not triggered
	(c) describe pedestrian and bicycle linkages and end of trip facilities available on-site.	Operation of estate			Not triggered
D23	The Applicant must implement the most recent version of the Workplace Travel Plan for the duration of the development.	Operation of estate			Not triggered
Soils, Water Quality and Hydrology					
Imported Soil					
D24	The Applicant must:				
	(a) ensure that only VENM, ENM, or other material approved in writing by EPA is brought onto the site;	Stage 1 Construction	ER to cite certificates associated with imported materials.	VENM/ENM reports: VENM report dated 22/08/21 ENM report dated 17/06/22	Compliant
	(b) keep accurate records of the volume and type of fill to be used; and	Stage 1 Construction	ER to cite delivery dockets associated with imported materials.	Delivery dockets retained named WEM-COCKETS-KEMPS CREEK 24 aug 2022	Compliant
	(c) make these records available to the Planning Secretary upon request.	Stage 1 Construction	ER to cite delivery dockets associated with imported materials.		Not triggered
Erosion and Sediment Control					
D25	Prior to the commencement of any construction or other surface disturbance, the Applicant must design and detail the erosion and sediment control measures for the site to ensure the construction phase IWCM controls in the MRP DCP are achieved. Detailed Erosion and Sediment Control Plans (ESCP) and drawings must:	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(a) be prepared by a Chartered Professional Erosion and Sediment Control (CPESC) specialist;	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) be prepared in accordance with Managing Urban Stormwater: Soils and Construction – Volume 1: Blue Book (Landcom, 2004) and with the WSUD design principles set out in the Draft Technical Guidance for achieving Wianamatta South Creek Stormwater Management Targets (NSW Government, 2022);	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(c) demonstrate the construction approach and timing to ensure the construction phase stormwater quality targets can be met; and	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(d) be included in the CEMP required by condition E2.	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
D26	The Applicant must ensure delivery and operation of all construction phase erosion and sediment controls on the site is supervised and certified by a CPESC. Monthly audits are to be completed by CPESC and kept on record for the duration of the construction and an additional 12 months following completion of construction works. Discharge Limits	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary. Regular CPESC inspections to be completed.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Discharge Limits					
D27	The development must comply with section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided for in an EPL.	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary. Regular CPESC inspections to be completed.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Stormwater Management System					
D28	Prior to the commencement of operation of the development, the Applicant must implement the Stormwater Management System described in the ADR and as shown in Figure 2 in Appendix 2.	Operation of estate			Not triggered

D29	Prior to the commencement of operation of the development, the Applicant must implement the Stormwater Management System described in the ADR and as shown in Figure 2 in Appendix 2. The design and subsequent construction and establishment of the WSUD systems must be supervised and certified by a suitably qualified chartered professional engineer with experience in modelling, design, and supervision of WSUD systems.	Operation of estate			Not triggered
Stormwater Management Plan					
D30	Within three (3) months prior to the commencement of operation of either Building 1 or 3 of the Stage 1 Development, the Applicant must prepare a Stormwater Management Plan (SMP) to the satisfaction of the Planning Secretary. The SMP must:	Operation of estate			Not triggered
	(a) be prepared by a suitably qualified chartered professional engineer with experience in modelling, design, and supervision of WSUD systems whose appointment has been endorsed by the Planning Secretary;	Operation of estate			Not triggered
	(b) be prepared in consultation with the Environment and Heritage, Sydney Water, DPE, and Council;	Operation of estate			Not triggered
	(c) describe the baseline soil, surface water and groundwater conditions at the site;	Operation of estate			Not triggered
	(d) detail a monitoring program to monitor:	Operation of estate			Not triggered
	(i) surface water flows and quality;	Operation of estate			Not triggered
	(ii) surface water storage and use;	Operation of estate			Not triggered
	(iii) sediment basin operation;	Operation of estate			Not triggered
	(iv) the performance of the Stage 1 stormwater management system to demonstrate compliance with the IWCM controls in the MRP DCP;	Operation of estate			Not triggered
	(e) detail a stormwater management strategy and designs of each WSUD system, including:	Operation of estate			Not triggered
	(i) description of how the requirements and objectives of the IWCM controls of the DCP will be achieved, including provisions for how stormwater will be managed and monitored;	Operation of estate			Not triggered

	(ii) details of how the Stage 1 Development will be designed and developed so it can potentially connect to precinct-wide stormwater infrastructure, if required;	Operation of estate			Not triggered
	(iii) engineering drawings completed and certified by a chartered professional engineer with experience in modelling, design, and supervision of WSUD systems that detail the WSUD measures;	Operation of estate			Not triggered
	(iv) landscape drawings that include planting and hardscape details of the WSUD systems;	Operation of estate			Not triggered
	(f) include a protocol for investigation of any non-compliances of the IWCM controls in the MRP DCP controls described in condition D35(d) and contingency measures that would be implemented should issues arise	Operation of estate			Not triggered
	(g) include evidence that the design and mix of WSUD infrastructure has considered ongoing operation and maintenance, including a detailed lifecycle cost assessment (including capital, operation/maintenance, and renewal costs over 30 years) ; and	Operation of estate			Not triggered
	(h) include a Maintenance Plan for WSUD measures.	Operation of estate			Not triggered
D31	The Applicant must:	Operation of estate			Not triggered
	(a) not commence the operation of the development until the SMP required by condition D29 is approved by the Planning Secretary; and	Operation of estate			Not triggered
	(b) implement the most recent version of the SMP approved by the Planning Secretary for the duration of the development.	Operation of estate			Not triggered
	(c) ensure all WSUD systems are construction under the supervision of a suitably qualified chartered professional engineer with experience in modelling, design, and supervision of WSUD.	Operation of estate			Not triggered
Easements and Maintenance					
D32	Prior to the issue of any Occupation Certificate, a restriction on the use of land and positive covenant relating to the:	Operation of estate			Not triggered
	(a) stormwater management system (including on-site detention and water sensitive urban design)	Operation of estate			Not triggered

	(b) trunk drainage shall be registered on the title of the property. The restriction on the use of land and positive covenant shall be in Council's standard wording as detailed in Council's Stormwater Specification for Building Developments - Appendix F, available on Council's Website.	Operation of estate			Not triggered
D33	The stormwater management system must continue to be operated and maintained in perpetuity for the life of the development in accordance with the final operation and maintenance management plan. Regular inspection records are required to be maintained and made available Council on request. All necessary improvements are required to be made immediately upon awareness of any deficiencies in the stormwater management systems.	Operation of estate			Not triggered
Dam Decommissioning Strategy					
D34	Prior to commencement of construction of the Stage 1 Development, the Applicant must implement the Dam Decommissioning Strategy included in the EIS. The Applicant must implement the most recent version of the Dam Decommissioning Strategy for the duration of construction.	Stage 1 Construction	ER to cite Dam Decommissioning Strategy Revision implemented on site.	Within CEMP suite of documents submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Groundwater Management Plan					
D35	Prior to commencement construction of the Stage 1 Development, the Applicant must implement the Groundwater Management Plan included in the EIS. The Applicant must implement the most recent revision of the Groundwater Management Plan for the duration of the development.	Stage 1 Construction	ER to cite Groundwater Management Plan Revision implemented on site.	Within CEMP suite of documents submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Salinity Management					
D36	The Applicant must prepare a Salinity Management Plan, which must form part of the CEMP in accordance with Condition E2, that addresses all aspects of the Stage 1 development. The Applicant must implement the most recent revision of the Salinity Management Plan for the duration of construction.	Stage 1 Construction	ER to cite Salinity Management Plan Revision implemented on site.	Within CEMP suite of documents submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Visual Amenity					
Landscaping					

D37	Prior to the commencement of operation, the Applicant must prepare a Landscape Management Plan to manage the revegetation and landscaping works on-site, to the satisfaction of the Planning Secretary. The plan must form part of an OEMP in accordance with condition E5. The plan must:	Operation of estate			Not triggered
	(a) detail the species to be planted on-site;	Operation of estate			Not triggered
	(b) demonstrate the species are suitable in relation to wildlife management in proximity to the future Western Sydney Airport;	Operation of estate			Not triggered
	(c) describe the monitoring and maintenance measures to manage revegetation and landscaping works; and	Operation of estate			Not triggered
	(d) be consistent with the Applicant's Management and Mitigation Measures detailed at Appendix 4.	Operation of estate			Not triggered
D38	The Applicant must:				
	(a) not commence operation until the Landscape Management Plan is approved by the Planning Secretary.	Operation of estate			Not triggered
	(b) must implement the most recent version of the Landscape Management Plan approved by the Planning Secretary; and	Operation of estate			Not triggered
	(c) maintain the landscaping and vegetation on the site in accordance with the approved Landscape Management Plan required by condition D37 for the life of the development.	Operation of estate			Not triggered
Lighting					
D39	The Applicant must ensure the lighting associated with the development:	Operation of estate			Not triggered
	(a) complies with the latest version of AS 4282-1997 - Control of the obtrusive effects of outdoor lighting (Standards Australia, 1997); and	Operation of estate			Not triggered
	(b) is mounted, screened, and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.	Operation of estate			Not triggered
Signage and Fencing					
D40	All signage and fencing must be erected in accordance with the development plans included in the ADR.	Operation of estate			Not triggered
	<i>Note: This condition does not apply to temporary construction and safety related signage and fencing.</i>				

Noise							
Hours of Work							
D41	The Applicant must comply with the hours detailed in Table 4, unless otherwise agreed in writing by the Planning Secretary.						
	Table 4 Hours of Work		Stage 1 Construction	ER to review CEMP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant	
	Activity	Day					Time
	Earthworks and construction	Monday – Friday					7 am to 6 pm
		Saturday					8 am to 1 pm
Operation	Monday – Sunday	24 hours					
D42	Works outside of the hours identified in condition D41 may be undertaken in the following circumstances:		Stage 1 Construction	ER to cite review and approval from Planning Secretary for any OOHW.		Not triggered	
	(a) works that are inaudible at the nearest sensitive receivers;		Stage 1 Construction	ER to cite review and approval from Planning Secretary for any OOHW.		Not triggered	
	(b) works agreed to in writing by the Planning Secretary;		Stage 1 Construction	ER to cite review and approval from Planning Secretary for any OOHW.		Not triggered	
	(c) for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or		Stage 1 Construction	ER to cite review and approval from Planning Secretary for any OOHW.		Not triggered	
	(d) where it is required in an emergency to avoid the loss of lives, property or to prevent environmental harm.		Stage 1 Construction	ER to cite review and approval from Planning Secretary for any OOHW.		Not triggered	
Construction Noise Limit							
D43	The development must be constructed to achieve the construction noise management levels detailed in the Interim Construction Noise Guideline (DECC, 2009) (as may be updated or replaced from time to time). All feasible and reasonable noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the management and mitigation measures in the Appendix 4.		Stage 1 Construction	ER to review CNVMP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant	
Construction Noise Management Plan							

D44	The Applicant must prepare a Construction Noise Management Plan (CNMP) for the development to the satisfaction of the Planning Secretary. The Plan must form part of a CEMP in accordance with condition E2 and must:	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) be prepared by a suitably qualified and experienced noise expert whose appointment has been endorsed by the Planning Secretary;	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) be approved by the Planning Secretary prior to the commencement of construction of each phase of the development;	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(c) describe procedures for achieving the noise management levels in EPA's Interim Construction Noise Guideline (DECC, 2009) (as may be updated or replaced from time to time);	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(d) describe the measures to be implemented to manage high noise generating works, in close proximity to sensitive receivers, particularly for noise mitigation eligible receivers shown in Figure 7, Appendix 5, including but not limited to the following:	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(i) details of a real-time noise monitoring system to identify occurrence of highly noise affected levels as defined in the Interim Construction Noise Guideline; and	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(ii) describe procedures for implementing respite periods and temporary relocation following identification of highly noise affected levels.	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(e) include a complaints management system that would be implemented for the duration of the development.	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
D45	The Applicant must:				

	(a) not commence construction of any relevant stage until the CNMP required by condition D44 is approved by the Planning Secretary; and	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) implement the most recent version of the CNMP approved by the Planning Secretary for the duration of construction.	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Noise Arrangement					
D46	Prior to the commencement of operation of the Stage 1 development an, the Applicant must enter into an agreement with the noise mitigation eligible receivers shown in Figure 6, Appendix 4.	Operation of estate			Not triggered
D47	Prior to the commencement of operation of the Stage 1 development, the Applicant must submit copies of the noise agreements required under Condition D46 to the Planning Secretary.	Operation of estate			Not triggered
D48	The noise agreement required under Condition D46 must be in force until the existing residential use ceases on the land subject to the agreement or a development application for general industrial or other employment uses applies to the land, whichever is the sooner.	Operation of estate			Not triggered
Vibration Criteria					
D49	Vibration caused by construction at any residence or structure outside the site must be limited to:	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Not triggered
	(a) for structural damage, the criteria set in the latest version of DIN 4150-3:2016-12 Vibration in Buildings – Part 3: Effects on Structures (German Institute for Standardisation, 2016); and	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Not triggered
	(b) for human exposure, the acceptable vibration values set out in the Environmental Noise Management Assessing Vibration: a technical guideline (DEC, 2006) (as may be updated or replaced from time to time).	Stage 1 Construction At All Times	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Not triggered

D50	The Applicant must offer and, if the offer is accepted, implement monitoring of vibration levels during construction at 884-902 Mamre Road (Lot 53 DP259135), to the satisfaction of the Planning Secretary. Any vibration monitoring must be undertaken during the entirety of the construction period. If the criteria in Condition D48 are exceeded, management and mitigation measures must be developed and implemented to address any exceedances.	Stage 1 Construction	ER to review CNVMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22 Correspondence confirming property is vacant; email dated 23/06/22.	Compliant																												
Dilapidation Reporting																																	
D51	Prior to commencement of construction, the Applicant must offer and prepare (if the offer is accepted) a pre-construction dilapidation report at 884-902 Mamre Road (Lot 53 DP259135). The report must be submitted to the Planning Secretary and the relevant property owner(s) prior to construction works commencing on the site	Stage 1 Construction	ER to cite Dilapidation report correspondence.	Correspondence confirming property is vacant; email dated 23/06/22.	Compliant																												
Operational Noise Limits																																	
D52	The Applicant must:	Operation of estate			Not triggered																												
	(a) establish five (5) noise monitoring locations at the site’s boundaries as shown in Appendix 3 prior to commencement of operation of the Stage 1 Development; and	Operation of estate			Not triggered																												
	(b) undertake noise monitoring at the five locations to confirm that noise generated by the operation of the Stage 1 Development does not exceed the noise limits in Table 5 . Table 5 Stage 1 Development Operational Noise Limits dB(A)	Operation of estate			Not triggered																												
	<table><tr><th>Location</th><th>Day</th><th>Evening</th><th>Night</th></tr><tr><td></td><td>L_{Aeq} (15 minute)</td><td>L_{Aeq} (15 min)</td><td>L_{Aeq} (15 min)</td></tr><tr><td>NML 1</td><td>36</td><td>36</td><td>34</td></tr><tr><td>NML 2</td><td>49</td><td>49</td><td>46</td></tr><tr><td>NML 3</td><td>48</td><td>48</td><td>46</td></tr><tr><td>NML 4</td><td>46</td><td>46</td><td>44</td></tr><tr><td>NML 5</td><td>65</td><td>65</td><td>61</td></tr></table>					Location	Day	Evening	Night		L _{Aeq} (15 minute)	L _{Aeq} (15 min)	L _{Aeq} (15 min)	NML 1	36	36	34	NML 2	49	49	46	NML 3	48	48	46	NML 4	46	46	44	NML 5	65	65	61
	Location					Day	Evening	Night																									
						L _{Aeq} (15 minute)	L _{Aeq} (15 min)	L _{Aeq} (15 min)																									
NML 1	36					36	34																										
NML 2	49	49	46																														
NML 3	48	48	46																														
NML 4	46	46	44																														
NML 5	65	65	61																														
	(c) ensure the cumulative noise emission of fixed mechanical plant for each warehouse building must be no more than 90 dBA and must not exhibit tonal characteristic or strong low frequency content.	Operation of estate			Not triggered																												

	<i>Note: Noise generated by the development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Noise Policy for Industry (EPA, 2017) (as may be updated or replaced from time to time).</i>	Operation of estate			Not triggered
Noise Verification Report					
D53	Within three months of the commencement of operation of the Stage 1 Development, the Applicant must submit a noise verification report to the satisfaction of the Planning Secretary. The report must be prepared by a suitably qualified and experienced acoustic consultant and include:	Operation of estate			Not triggered
	(a) an analysis of compliance with noise limits specified in condition D49;	Operation of estate			Not triggered
	(b) an outline of mitigation and management measures to reduce any exceedances of the limits specified in condition D49 (excluding measures to be implemented at the receivers); and	Operation of estate			Not triggered
	(c) a description of contingency measures in the event management actions are not effective in reducing noise levels to an acceptable level.	Operation of estate			Not triggered
Air Quality					
Dust Minimisation					
D54	The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.	Stage 1 Construction	ER to cite Dust monitoring results as noted in the CAQMP.	ER to review CAQMP prior to submission to the Planning Secretary.	Compliant
D55	During construction, the Applicant must ensure that:			Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	
	(a) exposed surfaces and stockpiles are suppressed by regular watering;	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) all trucks entering or leaving the site with loads have their loads covered;	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(c) trucks associated with the development do not track dirt onto the public road network;	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(d) public roads used by these trucks are kept clean; and	Stage 1 Construction	Regular CPESC inspections to be completed.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(e) land stabilisation works are carried out progressively on site to minimise exposed surfaces.	Stage 1 Construction	ER to review ESCP prior to submission to the Planning Secretary. Regular CPESC inspections to be completed.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Construction Air Quality Management Plan					
D56	Prior to the commencement of construction, the Applicant must prepare a Construction Air Quality Management Plan (CAQMP) to the satisfaction of the Planning Secretary. The CAQMP must form part of the CEMP required by condition E2 and must:	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) be prepared by a suitably qualified and experienced person(s);	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary. Suitably qualified person to develop plan.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) detail and rank all emissions from all sources during construction of the development, including particulate emissions;	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(c) describe a program that is capable of evaluating the performance of the construction and determining compliance with key performance indicators;	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(d) identify the control measures that that will be implemented for each emission source; and	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(e) nominate the following for each of the proposed controls:	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(i) key performance indicator;	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(ii) monitoring method;	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(iii) location, frequency, and duration of monitoring;	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(iv) record keeping;	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(v) complaints register;	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(vi) response procedures; and	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(vii) compliance monitoring.	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
D57	The Applicant must:				
	(a) not commence construction until the CAQMP required by condition D53 is approved by the Planning Secretary; and	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) implement the most recent version of the CAQMP approved by the Planning Secretary for the duration of the development.	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Odour Management					

D58	The Applicant must ensure the development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).	Stage 1 Construction	ER to review CAQMP prior to submission to the Planning Secretary and implementation.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Aboriginal Heritage					
Statutory Requirements					
D59	Prior to the commencement of construction of Stage 1 development, the Applicant must register identified Aboriginal items or objects on the Heritage NSW Aboriginal Heritage Information Management System (AHIMS) Aboriginal Sites Register.	Stage 1 Construction	ER to cite identified Aboriginal items or objects on the Heritage NSW Aboriginal Heritage Information Management System (AHIMS) Aboriginal Sites Register.	Confirmation objects registered on AHIMS register; letter dated 01/06/22.	Compliant
Archaeological Salvage					
D60	Prior to the commencement of construction of Stage 1, the Applicant must engage a suitably qualified and experienced expert to undertake an archaeological salvage excavation of the MAM AS 1901. The Applicant must undertake the salvage excavation in accordance with the requirements of Heritage NSW, and must:	Stage 1 Construction	ER to review Reburial Methodology prior to submission to the Planning Secretary. Suitably qualified person to develop methodology.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) implement the methodology for the reburial of all salvaged Aboriginal objects within the site detailed in the Reburial Methodology, prepared by Artefact, dated February 2021; and	Stage 1 Construction	ER to review Reburial Methodology prior to submission to the Planning Secretary. Suitably qualified person to oversee works.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) provide the Registered Aboriginal Parties (RAPs) an opportunity to collect Aboriginal objects across the site.	Stage 1 Construction	ER to cite Interim Summary and Clearance Report.	Archaeological salvage completion email dated 05/08/22.	Compliant
D61	The Applicant must prepare an archaeological report of the salvage excavation undertaken in accordance with Condition D57. An interim report of the salvage excavation must be provided to the satisfaction of the Planning Secretary within one month of completion of the salvage work and a final report provided within 12 months of completion of the salvage work.	Stage 1 Construction	ER to cite Interim Summary and Clearance Report.	Interim Aboriginal Salvaging Report and confirmation of submission dated 05/08/22.	Compliant
Unexpected Finds Protocol					

D62	If any item or object of Aboriginal heritage significance is identified on site:	Stage 1 Construction At All Times	ER to undertake monitoring and inspections. ER to cite this requirement included in site inductions and process to confirm all staff have been appropriately inducted. ER to be notified by contractors of any unexpected finds and confirm compliance of this condition. If required, ER will confirm work has ceased.		Not triggered
	(a) all work in the immediate vicinity of the suspected Aboriginal item or object must cease immediately;	Stage 1 Construction At All Times	ER to undertake monitoring and inspections. ER to cite this requirement included in site inductions and process to confirm all staff have been appropriately inducted. ER to be notified by contractors of any unexpected finds and confirm compliance of this condition. If required, ER will confirm work has ceased.		Not triggered
	(b) a 10 m wide buffer area around the suspected item or object must be cordoned off; and	Stage 1 Construction At All Times	ER to undertake monitoring and inspections. ER to cite this requirement included in site inductions and process to confirm all staff have been appropriately inducted. ER to be notified by contractors of any unexpected finds and confirm compliance of this condition. If required, ER will confirm work has ceased.		Not triggered

	(c) Heritage NSW must be contacted immediately.	Stage 1 Construction At All Times	ER to undertake monitoring and inspections. ER to cite this requirement included in site inductions and process to confirm all staff have been appropriately inducted. ER to be notified by contractors of any unexpected finds and confirm compliance of this condition. If required, ER will confirm work has ceased.		Not triggered
D63	Work in the immediate vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the National Parks and Wildlife Act 1974 (NSW).	Stage 1 Construction At All Times	ER to undertake monitoring and inspections. ER to cite this requirement included in site inductions and process to confirm all staff have been appropriately inducted. ER to be notified by contractors of any unexpected finds and confirm compliance of this condition. If required, ER will confirm work has ceased.		Not triggered
Historic Heritage					
Unexpected Finds Protocol					
D64	If any archaeological relics are uncovered during the course of the work, then all works must cease immediately in that area. Unexpected finds must be evaluated and recorded in accordance with the requirements of Heritage NSW and details included in the salvage excavation report required under Condition D57(b).	Stage 1 Construction At All Times	ER to undertake monitoring and inspections. ER to cite this requirement included in site inductions and process to confirm all staff have been appropriately inducted. ER to be notified by contractors of any unexpected finds and confirm compliance of this condition. If required, ER will confirm work has ceased.		Not triggered
Biodiversity					

D65	Prior to any clearing or construction works the Applicant must purchase and retire 1 ecosystem credit to offset the removal of Grey Box – Forest Red Gum grassy woodland on flats of the Cumberland Plain, Sydney Basin Bioregion and 3 species credits to offset the removal of Myotis Macropus at the site. The ecosystem and species credits must be retired in accordance with the requirements of the E&H Group's Biodiversity Offsets Scheme and the Biodiversity Conservation Act 2016 (NSW).	Stage 1 Construction	ER to cite certification of retired credits by Planning Secretary.	Ecosystem credit remittance advice dated 10/06/22 and 27/06/22.	Compliant
D66	The requirement to retire ecosystem and species credits (see Condition D62) may be satisfied by payment to the Biodiversity Conservation Fund of an amount equivalent to the number and classes of ecosystem and species credits, as calculated by the E&H Group's Biodiversity Offsets Payment Calculator.	Stage 1 Construction	ER to cite certification of retired credits by Planning Secretary.	Ecosystem credit remittance advice dated 10/06/22 and 27/06/22.	Compliant
D67	The Applicant must provide the Planning Secretary with evidence that:	Stage 1 Construction	ER to cite certification of retired credits by Planning Secretary.	Ecosystem credit remittance advice dated 10/06/22 and 27/06/22.	Compliant
	(a) the retirement of ecosystem credits has been completed (see Condition D65); or	Stage 1 Construction	ER to cite certification of retired credits by Planning Secretary.	Ecosystem credit remittance advice dated 10/06/22 and 27/06/22.	Compliant
	(b) a payment has been made to the Biodiversity Conservation Fund (see Condition D66),	Stage 1 Construction	ER to cite certification of retired credits by Planning Secretary.	Ecosystem credit remittance advice dated 10/06/22 and 27/06/22.	Compliant
	prior to undertaking any clearing of native vegetation and Myotis Macropus habitat.	Stage 1 Construction	ER to cite certification of retired credits by Planning Secretary.	Ecosystem credit remittance advice dated 10/06/22 and 27/06/22.	Compliant
D68	Prior to commencement of dam dewatering and construction of the Stage 1 Development, the Applicant must implement the Flora and Fauna Management Plan included in the RTS. The Applicant must implement the most recent revision of the Flora and Fauna Management Plan for the duration of construction works.	Stage 1 Construction	ER to cite Flora and Fauna Management Plan revision	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Vegetation Management Plan – Riparian Corridor					
D69	Within six (6) months of the commencement of operation, the Applicant must complete the revegetation of the realigned riparian corridor in accordance with the Vegetation Management Plan (VMP) included in the RTS and ensure that the realigned riparian corridor provides for a full hierarchy of appropriate ground cover, shrubs and trees. The Applicant must implement the most recent version of the VMP for a maintenance period of up to five years following the completion of the establishment phase of the VMP.	Operation of estate			Not triggered
Hazards and Risk					

Dangerous Goods					
D70	The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's Hazardous and Offensive Development Application Guidelines – Applying SEPP 33 at all times.	Stage 1 Construction At All Times	ER to undertake regular monitoring and inspections.	ER inspection reports: <ul style="list-style-type: none"> - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM 	Compliant
Bunding					
D71	The Applicant must store all chemicals, fuels and oils used on-site in appropriately banded areas in accordance with the requirements of all relevant Australian Standards, and/or EPA's Storing and Handling of Liquids: Environmental Protection – Participants Manual (Department of Environment and Climate Change, 2007).	Stage 1 Construction At All Times	ER to undertake regular monitoring and inspections.	ER inspection reports: <ul style="list-style-type: none"> - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM 	Compliant
Waste Management					
Pests, Vermin and Noxious Weed Management					
D72	The Applicant must:				
	(a) implement suitable measures to manage pests, vermin and declared noxious weeds on the site; and		ER to undertake regular monitoring and inspections.	ER inspection reports: <ul style="list-style-type: none"> - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM 	Compliant
	(b) inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or noxious weeds are not present on site in sufficient numbers to pose an environmental hazard or cause the loss of amenity in the surrounding area.		ER to undertake regular monitoring and inspections.	ER inspection reports: <ul style="list-style-type: none"> - 221017 ER Inspection Report_WEM - 220926 ER Inspection Report_WEM - 221026 ER Inspection Report_WEM - 221030 ER Inspection Report_WEM 	Compliant
	<i>Note: For the purposes of this condition, noxious weeds are those species subject to an order declared under the Biosecurity Act 2015 (NSW).</i>				
Waste Storage and Processing					
D73	Prior to the commencement of construction of Building 1 and 2, the Applicant must obtain agreement from Council for the design of the waste storage area for each warehouse.	Operation of estate			Not triggered
D74	Waste must be secured and maintained within designated waste storage areas at all times and must not leave the site onto neighbouring public or private properties.	Operation of estate			Not triggered
Waste Management Plan					

D75	The Applicant must implement the Waste Management Plan (WMP) prepared by MRA Consulting Group, dated 30 September 2020 in the EIS for the duration and construction and operation of Stage 1 of the development.	Stage 1 Construction Operation	ER to review Waste Management Plan prior to submission to Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Statutory Requirements					
D76	All waste materials removed from the site must only be directed to a waste management facility or premises lawfully permitted to accept the materials.	Stage 1 Construction	ER to cite waste tracking register.		Compliant
Unexpected Finds					
D77	Prior to the commencement of earthworks, the Applicant must prepare an unexpected contamination procedure to ensure that potentially contaminated material is appropriately managed. The procedure must form part of the of the CEMP in accordance with condition E2 and must ensure any material identified as contaminated and is required to be removed from the site must be disposed off-site, with the disposal location and results of testing submitted to the Planning Secretary, prior to its removal	Stage 1 Construction	ER to review Unexpected Finds Procedure prior to submission to Planning Secretary.	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Part E - STAGE 1 DEVELOPMENT SPECIFIC CONDITIONS					
Environmental Management					
Management Plan Requirements					
E1	Management plans required under this consent must be prepared in accordance with relevant guidelines, and include:	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) detailed baseline data;	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(b) details of:	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(i) the relevant statutory requirements (including any relevant approval, licence or lease conditions);	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(ii) any relevant limits or performance measures and criteria; and	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(c) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures and criteria;	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(d) a program to monitor and report on the:	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(i) impacts and environmental performance of the development; and	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(ii) effectiveness of the management measures set out pursuant to paragraph (c) above;	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(f) a program to investigate and implement ways to improve the environmental performance of the development over time;	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(g) a protocol for managing and reporting any:	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(i) incident and any non-compliance (specifically including any exceedance of the impact assessment criteria and performance criteria);	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(ii) complaint;	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(iii) failure to comply with statutory requirements; and	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(h) a protocol for periodic review of the plan.	Stage 1 Construction	Management plans will be prepared by suitably qualified experts to satisfy the condition and submitted to the Planning Secretary for review. ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	<i>Note: The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans</i>				
Construction Environmental Management Plan					

E2	The Applicant must prepare a Construction Environmental Management Plan (CEMP) in accordance with the requirements of condition E1 and to the satisfaction of the Planning Secretary.	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
E3	As part of the CEMP required under condition E2 of this consent, the Applicant must include the following:	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) Construction Traffic Management Plan (see condition D1);	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) Erosion and Sediment Control Plan (see condition D25);	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(c) Salinity Management Plan (see condition D33);	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(d) Construction Noise Management Plan (see condition D44);	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(e) Construction Air Quality Management Plan (see condition D53);	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(f) Vegetation Management Plan (see Condition D66);	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(g) Contamination Unexpected finds procedure (see Condition D75);	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(h) Waste Management Plan (see condition D73); and	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant

	(i) Community Consultation and Complaints Handling.	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
E4	The Applicant must:	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(a) not commence construction of the development until the CEMP is approved by the Planning Secretary; and	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
	(b) carry out the construction of the development in accordance with the CEMP approved by the Planning Secretary and as revised and approved by the Planning Secretary from time to time.	Stage 1 Construction	ER to review all management plans prior to submission to the Planning Secretary	Within CEMP submitted to DPE 21/07/22 Approved by DPIE; 15/08/22	Compliant
Operational Environmental Management Plan					
E5	The Applicant must prepare an Operational Environmental Management Plan (OEMP) in accordance with the requirements of condition E1 and to the satisfaction of the Planning Secretary.	Operation of estate			Not triggered
E6	As part of the OEMP required under condition E5 of this consent, the Applicant must include the following:	Operation of estate			Not triggered
	(a) describe the role, responsibility, authority, and accountability of all key personnel involved in the environmental management of the development;	Operation of estate			Not triggered
	(b) describe the procedures that would be implemented to:	Operation of estate			Not triggered
	(i) keep the local community and relevant agencies informed about the operation and environmental performance of the development;	Operation of estate			Not triggered
	(ii) receive, handle, respond to, and record complaints;	Operation of estate			Not triggered
	(iii) resolve any disputes that may arise;	Operation of estate			Not triggered
	(iv) respond to any non-compliance;	Operation of estate			Not triggered
	(v) respond to emergencies; and	Operation of estate			Not triggered

	(c) include the following environmental management plans:	Operation of estate			Not triggered
	(i) Operational Traffic Monitoring Program (see condition D3);	Operation of estate			Not triggered
	(ii) Workplace Travel Plan (see condition D22);	Operation of estate			Not triggered
	(iii) Landscape Management Plan (see condition D37);	Operation of estate			Not triggered
	(iv) Stormwater Management Plan (see condition D29);	Operation of estate			Not triggered
	(v) Vegetation Management Plan (see Condition D66); and	Operation of estate			Not triggered
	(vi) Waste Management Plan (see condition D73).	Operation of estate			Not triggered
E7	The Applicant must:				
	(a) not commence operation until the OEMP is approved by the Planning Secretary; and	Operation of estate			Not triggered
	(b) operate the development in accordance with the OEMP approved by the Planning Secretary (and as revised and approved by the Planning Secretary from time to time).	Operation of estate			Not triggered
Revision of Strategies, Plans and Programs					
E8	Within three months of:				
	(a) the submission of a Compliance Report under condition E14;	Stage 1 Construction	ER to review Compliance Report prior to submission to Planning Secretary.		Not triggered
	(b) the submission of an incident report under condition E10;	Stage 1 Construction	ER to review Compliance Report prior to submission to Planning Secretary.		Not triggered
	(c) the approval of any modification of the conditions of this consent; or	Stage 1 Construction	As ER to review Compliance Report prior to submission to Planning Secretary. by conditions	In progress	Compliant

	(d) the issue of a direction of the Planning Secretary under condition C2(b) which requires a review, the strategies, plans and programs required under this consent must be reviewed, and the Planning Secretary must be notified in writing that a review is being carried out.	Stage 1 Construction	ER to review Compliance Report prior to submission to Planning Secretary.		Not triggered
E9	If necessary to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review.	Stage 1 Construction	ER to review any changes to the approved CEMP documentation prior to submission to Planning Secretary.	In Progress	Compliant
	<i>Note: This is to ensure strategies, plans and programs are updated on a regular basis and to incorporate any recommended measures to improve the environmental performance of the development.</i>				
Reporting and Auditing					
Incident Notification, Reporting and Response					
E10	The Planning Secretary must be notified in writing via the Major Projects website immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 6.	Stage 1 Construction At All Times			Not triggered
Non-Compliance Notification					
E11	The Planning Secretary must be notified in writing to the Major Projects website within seven days after the Applicant becomes aware of any non-compliance.				
E12	A non-compliance notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	Stage 1 Construction At All Times	Applicant to notify DPE of any potential non-compliance.	Confirmation of notification of potential non-compliance dated 24/10/22.	Compliant

E13	A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.	Stage 1 Construction At All Times			Not triggered
Compliance Reporting					
E14	Within three months after the commencement of construction of the Stage 1 Development, and in the same month each subsequent year (or such other timing as agreed by the Planning Secretary) for the duration of construction works, the Applicant must submit a Compliance Report to the Department reviewing the environmental performance of the development to the satisfaction of the Planning Secretary. Compliance Reports must be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) and must also:	Stage 1 Construction At All Times	ER to cite Compliance Reports.	In progress	Compliant
	(a) identify any trends in the monitoring data over the life of the development;	Stage 1 Construction At All Times	ER to cite Compliance Reports.	In progress	Compliant
	(b) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and	Stage 1 Construction At All Times	ER to cite Compliance Reports.	In progress	Compliant
	(c) describe what measures will be implemented over the next year to improve the environmental performance of the development	Stage 1 Construction At All Times	ER to cite Compliance Reports.	In progress	Compliant
E15	The Applicant must make each Compliance Report publicly available no later than 60 days after submitting it to the Planning Secretary and notify the Planning Secretary in writing at least 7 days before this is done.	Stage 1 Construction At All Times	ER to cite Compliance Reports and confirmation of being publicly available.		Not triggered
Monitoring and Environmental Audits					
E16	Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance reporting and independent auditing.	Stage 1 Construction At All Times	ER to review all monitoring or environmental audits. ER to confirm preparation of audit and monitoring program.	Ongoing ER inspections confirm compliance with Monitoring commitments within approved CEMP and Sub Plans.	Compliant

	<i>Note: For the purposes of this condition, as set out in the EP&A Act, “monitoring” is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an “environmental audit” is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.</i>	Stage 1 Construction At All Times	ER to review all monitoring or environmental audits. ER to confirm preparation of audit and monitoring program.	Ongoing ER inspections confirm compliance with Monitoring commitments within approved CEMP and Sub Plans.	Compliant
Access to Information					
E17	At least 48 hours before the commencement of construction until the completion of all works under this consent, the Applicant must:	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
	(a) make the following information and documents (as they are obtained or approved) publicly available on its website:	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
	(i) the documents referred to in condition C2 of this consent;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
	(ii) all current statutory approvals for the development;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
	(iii) all approved strategies, plans and programs required under the conditions of this consent;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
	(iv) the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
	(v) regular reporting on the environmental performance of the development in accordance with the reporting requirements in any plans or programs approved under the conditions of this consent;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant

(vi) a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.		Not triggered
(vii) a summary of the current stage and progress of the development;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.		Not triggered
(viii) contact details to enquire about the development or to make a complaint;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
(ix) a complaints register, updated monthly;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.	Confirmation of live date of website via email dated 02/08/22.	Compliant
(x) the Compliance Report of the development;	Stage 1 Construction At All Times	Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.		Not triggered
(xi) audit reports prepared as part of any Independent Audit of the development and the Applicant's response to the recommendations in any audit report;		Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.		Not triggered
(xii) any other matter required by the Planning Secretary; and		Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.		Not triggered
(b) keep such information up to date, to the satisfaction of the Planning Secretary.		Updates to website by Mirvac. ER to cite the latest information required by the condition is on website.		Compliant

9 Appendix C

Quarterly Noise Monitoring Review

MEMORANDUM

Subject Aspect Industrial Estate: Quarterly Noise and Vibration Monitoring Report
Date 18/11/2022
Revision 1
Reference Aug – Oct 2022

INTRODUCTION

The Aspect Industrial Estate (AIE) is required comply with the Development Consent (SSD-10448) Condition of Approval (CoA). To address CoA D44, SLR Consulting Australia Pty Ltd (SLR) was engaged by Mirvac Projects Pty Ltd (Mircvac) to prepare a Construction Noise and Vibration Management Plan (CNVMP) for works associated with the construction of the AIE. The CNVMP includes construction a noise and vibration monitoring program and associated reporting requirements.

This report has been prepared in accordance with the AIE CNVMP to report on the construction noise and vibration monitoring undertaken by Western Earthmoving (WEM) during the period from August to October 2022.

Construction activities being undertaken during reporting period

Construction during August to October 2022 included the following activities:

- WEM mobilised on site on the 18 August including the installation of temporary site sheds and hardstand of a parking area.
- Construction commenced on the 5 September following the approval of the CEMP.
- Demolition of existing buildings (houses and sheds) commenced following approval of the CEMP and was completed on the 21 October
- Vegetation removal and dewatering of the existing farm dams was completed in September.
- Bulk earthworks commenced across the entire site and is ongoing.

No works outside of the approved construction hours were completed during the reporting period.

Weather conditions during reporting period

Weather observations from the nearest Bureau of Meteorology weather station at Horsely Park are provided in Appendix A.

Rainfall was low in August (11.8mm), moderate in September (85.2mm) and high in September (150.8mm). Relative humidity was moderate throughout all three months. Wind speeds were also moderate to high with frequent days exceeding 6m/s.

METHODS

Noise Monitoring Program

The AIE noise monitoring program is defined below in the extract from Table 18 of the CVNMP.

Monitoring			
A real-time noise monitoring system must be installed at a location representative of the most-affected residences on the western side of Mamre Road to identify occurrence of highly noise affected levels (refer to Figure 5). Requirements of the real-time noise monitoring system are detailed in Section 7.3 .	Environmental Coordinator	Ongoing	Condition D44(d)(i)
Noise and/or vibration monitoring will be conducted (as appropriate) when noise/vibration intensive works are being undertaken in close proximity to sensitive receivers.			Best practice
Noise and/or vibration monitoring will be conducted (as appropriate) in response to any complaints received to verify that levels are not substantially above the predicted levels.			
Refer to Section 7.3 for full details of monitoring requirements.			

WEM have established a real time noise monitoring system (SiteHive) with six unattended noise monitors located around the site:

- LO1 North Boundary
- LO2 North east End
- LO3 East Boundary
- LO4 South end
- LO5 Site Gate (Western site perimeter)
- LO6 West Neighbours

The devices were deployed on the 22 August and have been running continuously thereafter.

Vibration Monitoring Program

The AIE vibration monitoring program is defined below in the extract from Table 18 of the CVNMP.

Vibration			
<p>If vibration generating works are required within the minimum cosmetic damage working distances and considered likely to exceed the criteria:</p> <ul style="list-style-type: none"> • Different construction methods with lower source vibration levels will be investigated and implemented, where feasible • Attended vibration measurements will be undertaken at the start of the works to determine actual vibration levels at the item. Works will cease if the monitoring indicates vibration levels are likely to, or do, exceed the relevant criteria. 	Environmental Coordinator	Ongoing	Best practice
Where works are required within the cosmetic damage minimum working distances, building condition surveys will be completed before and after the works to ensure no cosmetic damage has occurred.			

No vibratory works have been completed within the minimum cosmetic damage working distances from buildings surrounding the site. As such, no vibration monitoring has been completed for works completed during the reporting period.

RESULTS

Noise monitoring results

The monthly averages for each device during the day, evening and night periods is provided in the table below. Summary reports from the SiteHive platform are provided in Appendix B.

NML	L01	L02	L03	L04	L05	L06
NCA	NCA02	NCA02	NCA03	NCA04	NCA04	NCA04
NML Day (LAeq)	45	45	45	49	49	49
NML Evening (LAeq)	38	38	38	44	44	44
NML Night (LAeq)	37	37	35	37	37	37
September Averages						
Day (LAeq)	50	46	46	58	65	57
Evening (LAeq)	44	41	42	53	59	53
Night (LAeq)	43	41	42	50	55	49
October Averages						
Day (LAeq)	48	44	41	56	63	56
Evening (LAeq)	43	41	43	52	59	53
Night (LAeq)	43	40	38	49	54	47

Average LAeq levels at L01 – L05 during the day period, when construction works are occurring, have exceeded the NML at the property boundary. However the LAeq at the nearest sensitive receivers is being achieved.

The LAeq levels at L06 West Neighbours also exceeded the NML, however the noise levels are being impacted by traffic noise on Mamre Road.

COMPLAINTS

No community complaints were received by the AIE project during the reporting period.

CONCLUSION

WEM have established the real-time noise monitoring system at the locations specified in the CNVMP. The devices have indicated that construction noise levels are being maintained at acceptable levels.

The results indicate that the daytime noise levels (when construction activities are occurring) are occurring at an acceptable noise level. The evening and night time averages are consistently above the evening and night period NML at all monitoring locations, however no works are occurring at this time. This is indicative of the background traffic noise impact of Mamre Road.

Given the results and no complaints for the period, no additional mitigation measures are considered necessary at this time.

Prepared by Peter Monsted,

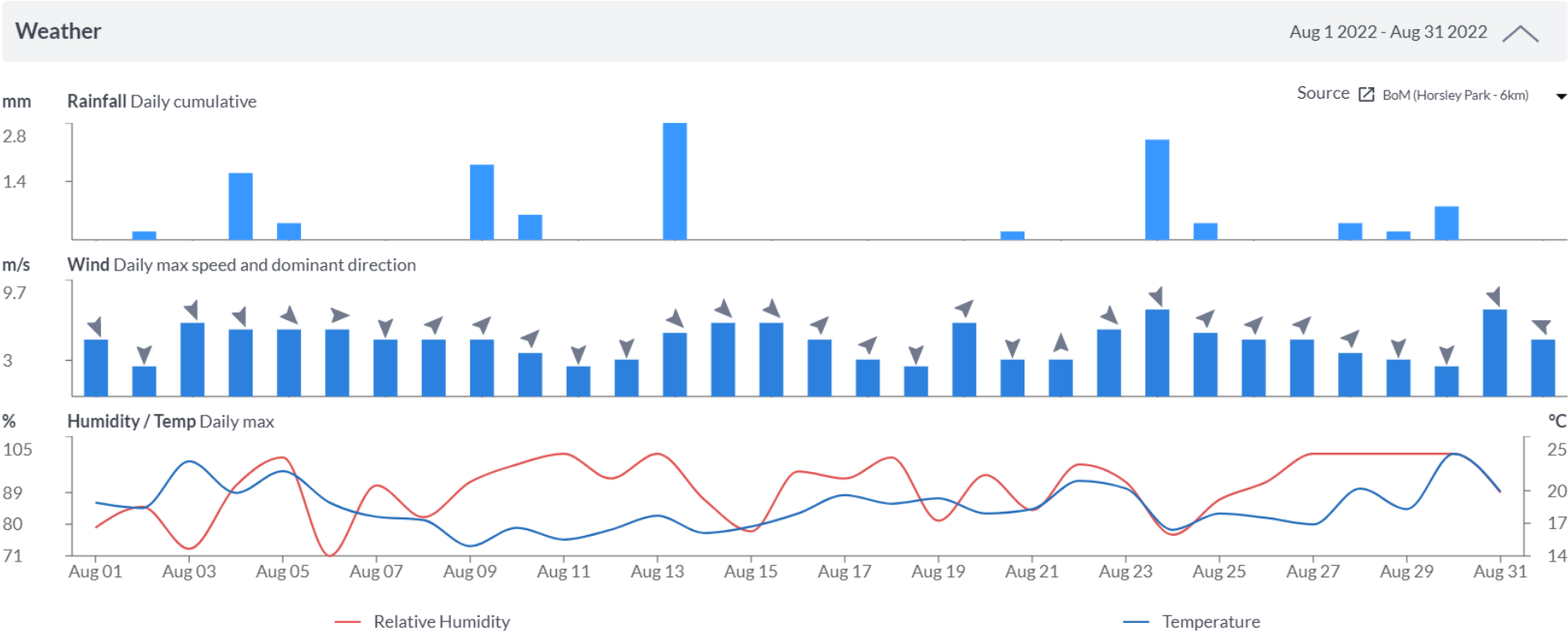


WEM's Contractors Environmental Representative

Peter@leneco.net.au

Mob. 0437 685 224

Attachment A – Weather conditions during reporting period



Horsley Park, New South Wales

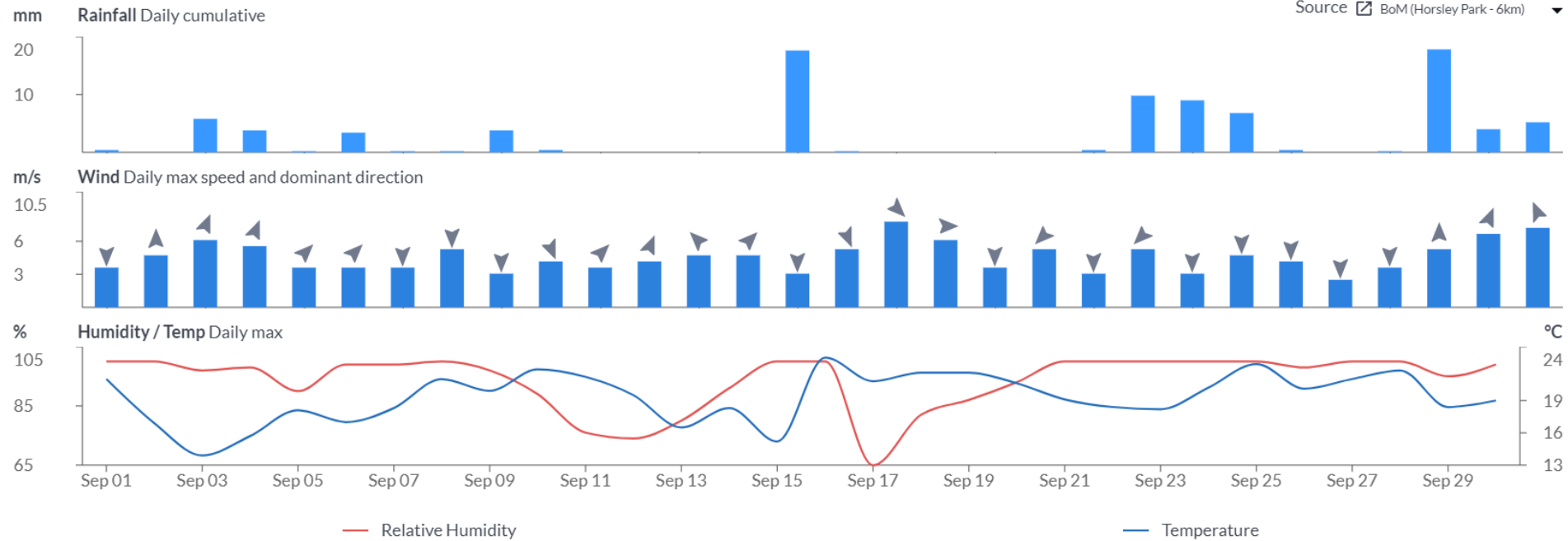
August 2022 Daily Weather Observations

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am					3 pm						
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP
1	Mo	5.7	19.4	0			WNW	37	13:32	12.0	76		N	6		18.9	30		W	11	
2	Tu	4.1	19.0	0			NNW	15	12:47	11.1	64		NNE	2		18.3	27		NNE	6	
3	We	8.6	22.8	0.2			N	37	13:51	11.1	71		NW	6		21.8	46		N	20	
4	Th	11.0	20.0	0			NNW	43	13:00	17.4	71		N	11		19.5	67		NNW	9	
5	Fr	12.9	21.9	2.0			WNW	41	18:16	15.2	79		NW	6		21.7	32		NW	19	
6	Sa	10.2	19.1	0			W	33	15:09	15.6	44		WNW	11		18.1	33		W	15	
7	Su	5.7	18.1	0			SW	30	10:41	12.7	63		WSW	7		16.7	43		SW	7	
8	Mo	7.3	18.4	0			SSW	30	09:24	11.8	68		SW	13		17.3	44		S	9	
9	Tu	7.2	15.2	0			SSW	30	14:12	10.5	68		SW	13		14.8	58		S	15	
10	We	8.1	17.0	2.4			ESE	26	16:35	11.1	70		SW	13		16.5	59		E	9	
11	Th	6.7	15.8	0			N	20	13:35	9.9	98		Calm			14.8	67		N	9	
12	Fr	9.8	17.3	0			N	20	15:56	14.1	67		N	9		15.6	67		NNE	7	
13	Sa	9.8	18.6	2.8			WNW	30	15:24	12.1	89		NNW	7		17.3	49		WSW	2	
14	Su	7.0	16.5	0			NW	41	14:42	13.5	54		NW	9		15.8	44		NW	22	
15	Mo	8.2	17.5	0			W	44	13:19	13.2	48		NW	13		16.2	45		WNW	22	
16	Tu	4.6	18.5	0			W	39	12:53	11.9	66		NW	6		15.9	39		SW	13	
17	We	5.7	19.8	0			SW	20	09:55	12.2	62		WSW	11		19.6	36		Calm		
18	Th	5.4	19.1	0			N	13	13:11	9.8	90		Calm			18.4	46		NNW	4	
19	Fr	9.7	20.2	0			SW	44	15:55	15.7	54		NW	13		16.7	58		WSW	11	
20	Sa	3.4	18.0	0.2			WSW	31	17:05	12.2	56		NW	6		16.5	46		N	6	
21	Su	9.6	18.7	0			SSW	19	08:30	12.5	53		SW	7		18.3	41		NNW	4	
22	Mo	5.3	21.5	0			W	39	16:07	11.9	68		N	6		20.2	31		W	20	
23	Tu	9.4	20.9	0			S	46	14:59	17.1	49		NNW	13		9.3	88		S	20	
24	We	6.0	16.7	2.8			SW	33	09:45	10.6	54		SSW	15		16.4	33		WSW	11	
25	Th	4.1	18.1	0			SW	26	10:02	12.4	61		WNW	2		16.3	48		ESE	6	
26	Fr	8.9	17.9	0			SE	30	16:53	13.4	65		SW	13		16.6	58		SSE	13	
27	Sa	8.8	17.4	0.4			ENE	20	12:32	13.1	81		W	6		15.2	74		E	13	
28	Su	7.1	21.2	0			ENE	19	17:30	12.9	86		W	4		19.4	53		ENE	6	
29	Mo	9.5	18.5	0.2			ESE	17	11:01	13.3	100		NNW	2		17.8	68		WNW	4	
30	Tu	11.7	23.9	0.8			N	46	11:48	17.4	70		N	13		22.1	56		N	19	
31	We	7.5	20.7	0			ESE	26	15:07	15.3	61		SW	11		18.6	65		ESE	13	
Statistics for August 2022																					
Mean		7.7	19.0							13.0	67			8		17.4	50			11	
Lowest		3.4	15.2	0						9.8	44		Calm			9.3	27		Calm		
Highest		12.9	23.9	2.8			#	46		17.4	100		SSW	15		22.1	88		#	22	
Total				11.8																	

IDCJDW2062.202208 Prepared at 13:00 UTC on Thursday 3 November 2022

Weather

Sep 1 2022 - Sep 30 2022



Horsley Park, New South Wales

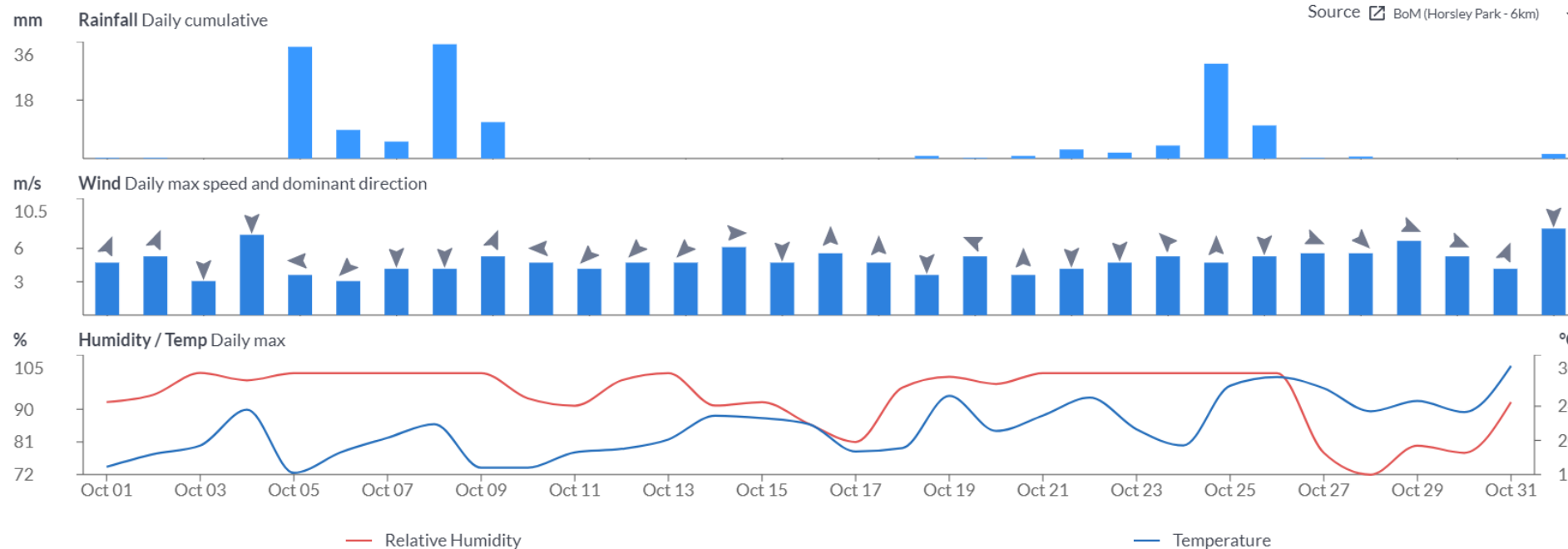
September 2022 Daily Weather Observations

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am					3 pm						
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP
		°C	°C				mm	mm	hours	km/h	local	°C	%	g th	km/h	hPa	°C	%	g th	km/h	hPa
1	Th	12.4	21.4	0.2			N	22	11:27	15.3	88		WNW	4		21.0	45		NNE	6	
2	Fr	11.2	17.2	0.2			S	37	23:04	15.3	72		SSW	7		14.9	66		SSE	17	
3	Sa	9.7	14.1	0.8			S	44	12:30	10.1	90		SSW	17		13.9	77		SSW	13	
4	Su	9.9	16.5	7.8			SSW	39	13:16	12.0	97		SW	15		14.2	71		S	17	
5	Mo	6.0	18.5	1.0			SSE	30	15:44	13.5	62		SW	9		17.1	53		ESE	11	
6	Tu	7.6	17.1	0.2			SSE	22	08:53	13.8	64		SSW	9		15.2	64		ESE	11	
7	We	6.6	19.1	3.6			NE	20	17:09	13.8	75		NW	2		17.8	54		NE	11	
8	Th	9.4	21.7	0			ENE	30	16:25	15.0	76		NNE	7		19.8	57		ENE	17	
9	Fr	13.4	21.0	2.8			NNE	28	15:31	13.7	96		NNE	4		18.3	62		NNW	7	
10	Sa	10.7	22.6	1.4			NNW	30	11:25	16.9	70		N	7		20.2	46		WSW	15	
11	Su	9.0	21.4	0.2			WSW	28	11:00	14.9	50		W	7		21.0	30		WNW	2	
12	Mo	6.3	19.9	0			SW	26	16:13	13.0	53		W	7		19.5	35		WSW	9	
13	Tu	7.5	17.1	0			ESE	28	14:47	13.2	70		SSE	9		14.8	48		ESE	15	
14	We	7.8	18.5	0			ENE	24	16:38	13.2	64		WSW	4		16.5	53		ESE	11	
15	Th	8.7	16.7	1.0			N	26	12:02	11.9	88		NW	4		12.8	96		NNE	9	
16	Fr	10.3	23.1	16.6			NW	33	15:00	16.5	74		N	7		22.9	27		NW	20	
17	Sa	12.4	21.3	0.2			W	48	16:25	18.8	48		NW	11		20.5	37		W	11	
18	Su	8.1	22.0	0			W	39	15:52	16.6	42		W	11		21.6	29		W	13	
19	Mo	8.0	22.3	0			SSW	30	14:55	15.3	53		NNW	2		21.4	25		SW	13	
20	Tu	6.7	21.1	0			ENE	28	16:10	14.0	53		W	4		20.4	40		NE	11	
21	We	10.3	19.5	0			N	20	10:28	17.2	76		N	9		18.4	66		Calm		
22	Th	13.7	18.6	10.0			E	33	08:42	15.5	88		ENE	15		17.8	70		ENE	9	
23	Fr	13.8	18.6	4.8			NE	30	14:00	16.1	91		NE	2		16.9	88		ENE	7	
24	Sa	14.0	21.2	4.6			SSW	33	10:59	18.5	82		W	4		17.1	76		E	13	
25	Su	7.4	22.5	6.8			ESE	22	17:29	12.0	100		NNW	2		22.0	31		W	2	
26	Mo	10.0	20.5	0.2			ENE	17	17:46	14.0	75		W	4		20.1	52		N	6	
27	Tu	11.5	21.9	0			NNE	24	15:10	14.9	96		Calm			20.9	61		NNE	13	
28	We	12.3	22.3	0.6			SSW	31	18:00	16.8	74		SSW	4		19.4	62		SE	15	
29	Th	11.5		20.2						17.2	68		SSW	19		15.8	81		S	22	
30	Fr	13.2	19.6	2.0			SSE	46	13:56	16.1	67		S	19		16.8	69		S	20	
Statistics for September 2022																					
Mean		10.0	19.9							14.8	73			7		18.3	55			11	
Lowest		6.0	14.1	0						10.1	42		Calm			12.8	25		Calm		
Highest		14.0	23.1	20.2			W	48		18.8	100		#	19		22.9	96		S	22	
Total				85.2																	

IDCJDW2062.202209 Prepared at 16:00 UTC on Wednesday 16 November 2022

Weather

Oct 1 2022 - Oct 31 2022



Horsley Park, New South Wales

October 2022 Daily Weather Observations

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am					3 pm						
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP
		°C	°C					km/h	local	°C	%	g th		km/h	hPa	°C	%	g th		km/h	hPa
1	Sa	11.1	17.9	5.2			SE	31	14:39	13.7	76		S	11		14.3	70		SSE	13	
2	Su	8.2	19.0	0.2			SE	31	13:36	12.0	81		WSW	6		17.3	62		SE	17	
3	Mo	7.0	20.1	0.2			ENE	20	17:43	12.2	83		W	7		18.4	44		NNE	6	
4	Tu	7.1	24.1	0			SE	39	16:23	13.8	76		WNW	2		23.6	37		Calm		
5	We	13.1	15.5	7.2			E	22	12:48	13.5	100		NW	4		14.3	100		NE	9	
6	Th	13.3	18.9	35.8			NE	20	14:37	14.7	100		NE	4		18.5	73		N	6	
7	Fr	12.9	20.9	0.2			N	24	10:19	16.9	88		N	6		18.4	81		N	7	
8	Sa	14.4	22.1	5.4			SE	26	14:57	17.8	94		ESE	4		19.4	92		NNE	4	
9	Su	10.2	17.4	45.8			SSW	35	08:17	11.2	74		S	19		16.1	55		S	9	
10	Mo	10.2	17.0	0.2			E	24	16:03	13.2	75		S	7		15.9	62		E	13	
11	Tu	11.3	18.9	0			E	22	16:39	14.4	80		Calm			17.6	60		NE	7	
12	We	10.1	19.7	0			NE	30	16:49	14.7	81		Calm			18.8	64		E	11	
13	Th	11.3	20.6	0			NE	31	17:12	17.2	75		NNE	7		19.8	62		ENE	15	
14	Fr	15.5	23.5	0			NW	46	09:52	18.8	74		N	19		21.8	30		W	11	
15	Sa	8.4	23.0	0			ENE	30	16:03	16.9	58		SW	11		22.6	35		S	4	
16	Su	11.8	23.3	0			SE	33	16:04	16.6	58		SW	11		20.7	54		ESE	15	
17	Mo	14.2	19.2	0			S	31	05:39	14.8	78		S	11		18.7	62		SE	15	
18	Tu	10.7	19.6	0			NNE	20	12:39	16.6	76		ESE	6		18.1	83		E	7	
19	We	15.2	25.9	0.8			ESE	33	13:38	18.1	83		NW	4		22.6	64		SE	17	
20	Th	15.9	21.5	0.2			E	22	16:15	18.7	86		SSE	9		19.9	92		SE	9	
21	Fr	17.6	22.9	2.6			ENE	28	13:57	19.3	96		NE	2		19.5	80		ENE	19	
22	Sa	15.4	25.2	1.6			NNE	28	13:07	20.2	81		N	4		22.0	81		Calm		
23	Su	18.0	21.5	1.2			SE	31	14:05	19.0	86		NNE	4		20.1	80		SE	17	
24	Mo	15.5	19.9	8.6			SSW	26	12:12	17.3	100		S	9		19.1	92		WSW	11	
25	Tu	15.3	26.7	25.8			NW	59	14:47	18.2	96		N	7		26.4	52		NE	11	
26	We	14.7	27.6	9.0			NW	37	16:06	22.2	62		WNW	7		26.9	40		WSW	9	
27	Th	16.6	27.1	0.2			W	43	11:14	21.8	50		NW	9		24.3	41		NW	17	
28	Fr	14.4	23.8	0.6			WNW	46	15:42	19.2	41		WNW	20		23.4	29		WNW	20	
29	Sa	10.7	25.2	0			NW	33	17:00	18.5	39		W	17		24.1	21		NW	15	
30	Su	10.5	23.8	0			E	24	15:08	17.1	50		SW	13		23.3	34		NNE	6	
31	Mo	14.2	28.7	0			NW	50	11:36	20.6	54		N	11		24.4	64		N	6	
Statistics for October 2022																					
Mean		12.7	22.0							16.7	75			8		20.3	61			10	
Lowest		7.0	15.5	0						11.2	39		Calm			14.3	21		Calm		
Highest		18.0	28.7	45.8			NW	59		22.2	100		WNW	20		26.9	100		WNW	20	
Total				150.8																	

IDCJDW2062.202210 Prepared at 13:00 UTC on Monday 14 November 2022

Attachment B – Site Hive Summary Reports

Western Earth Moving



Aspect Industrial Estate

Aug-Sept 2022 Noise Monitoring

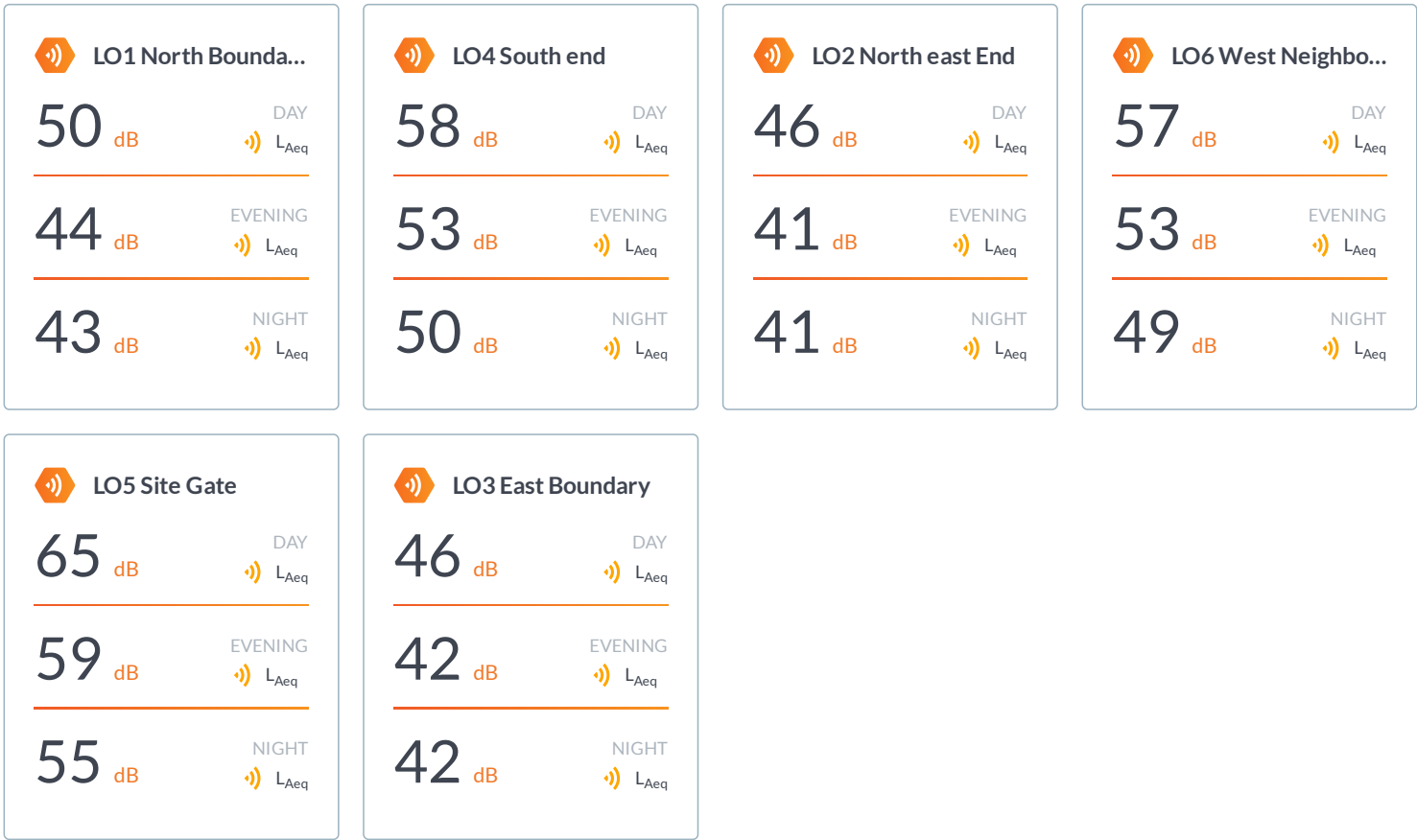
Monitoring Devices

Date Range Aug 18 2022 - Sep 30 2022

Device List	Lat	Long
LO3 East Boundary	-33.8419	150.7888
LO1 North Boundary	-33.8398	150.7844
LO2 North east End	-33.8388	150.7876
LO6 West Neighbours	-33.8431	150.7806
LO5 Site Gate	-33.8435	150.7814
LO4 South end	-33.8470	150.7841



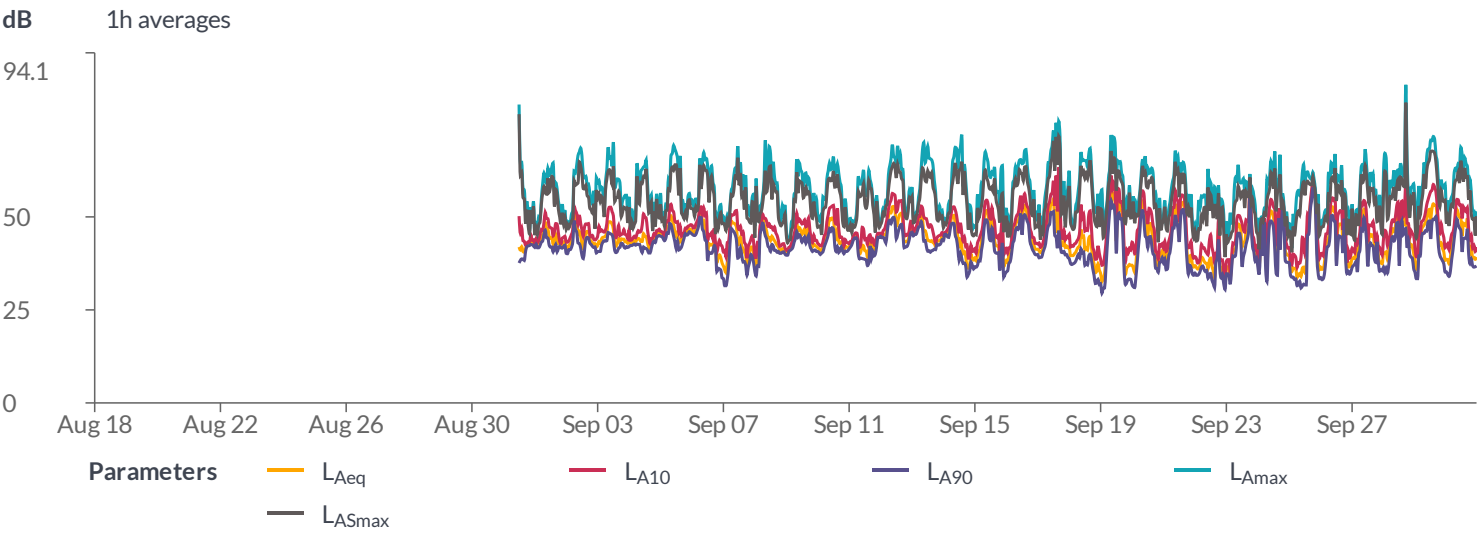
Noise Monitoring Statistics



Average value across selected time period. Time of Day Periods: Day (7am to 6pm) Evening (6pm to 10pm) Night (10pm to 7am).

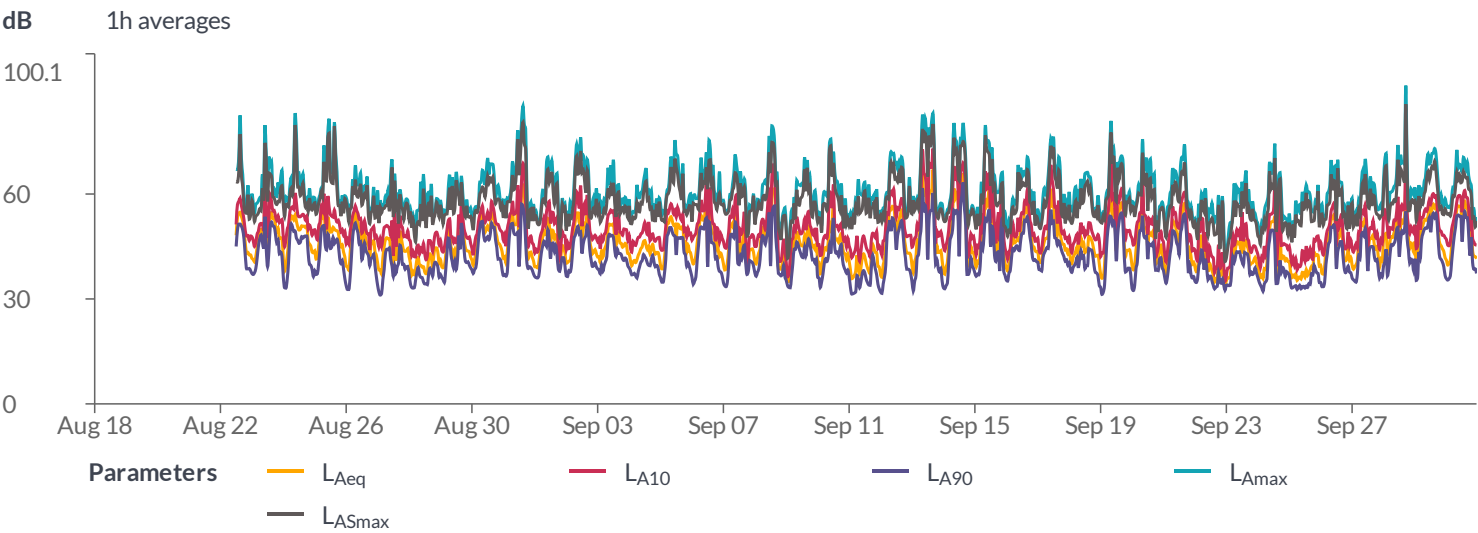
LO3 East Boundary

Aug 18 2022 - Sep 30 2022



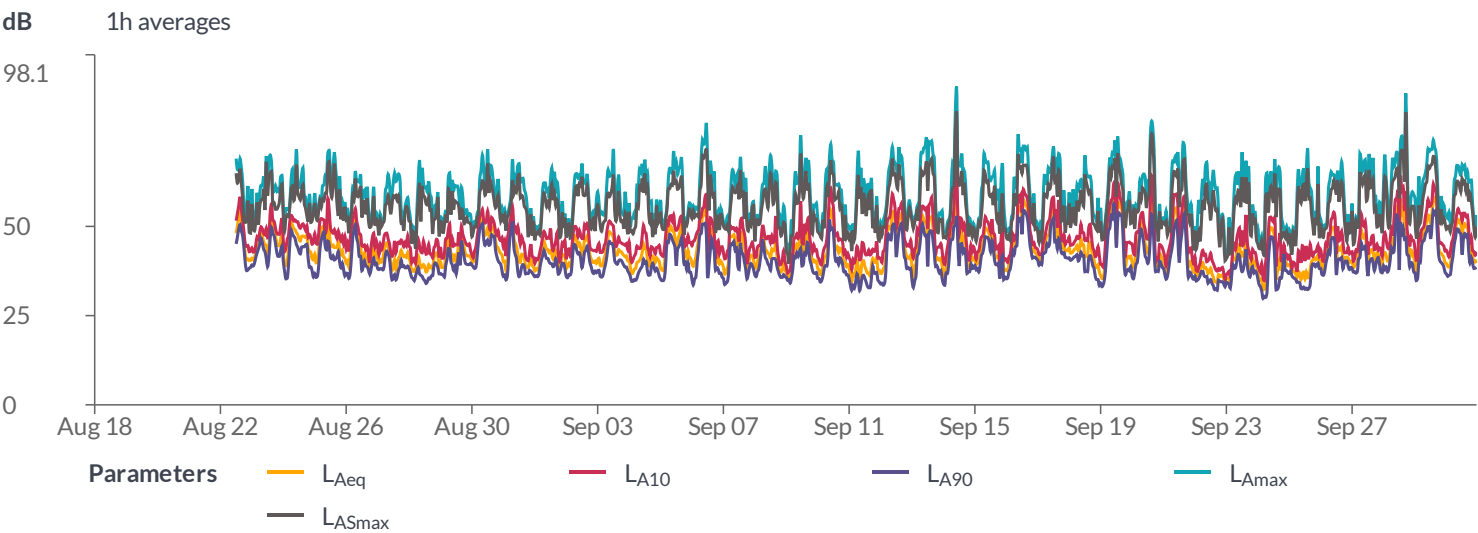
LO1 North Boundary

Aug 18 2022 - Sep 30 2022



LO2 North east End

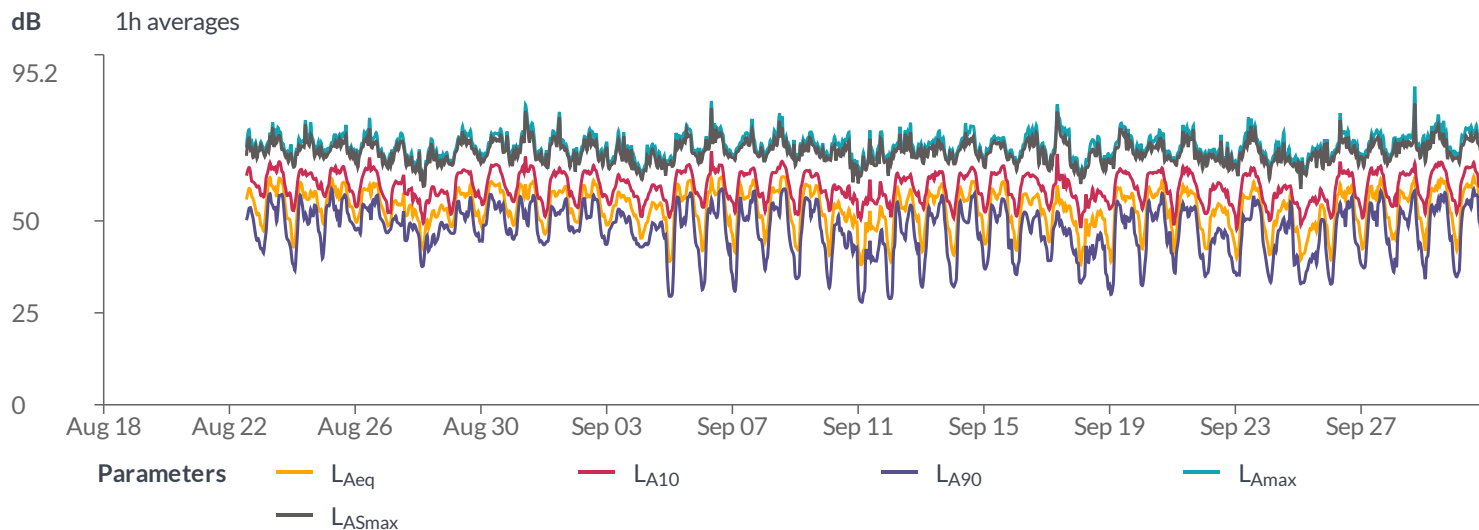
Aug 18 2022 - Sep 30 2022





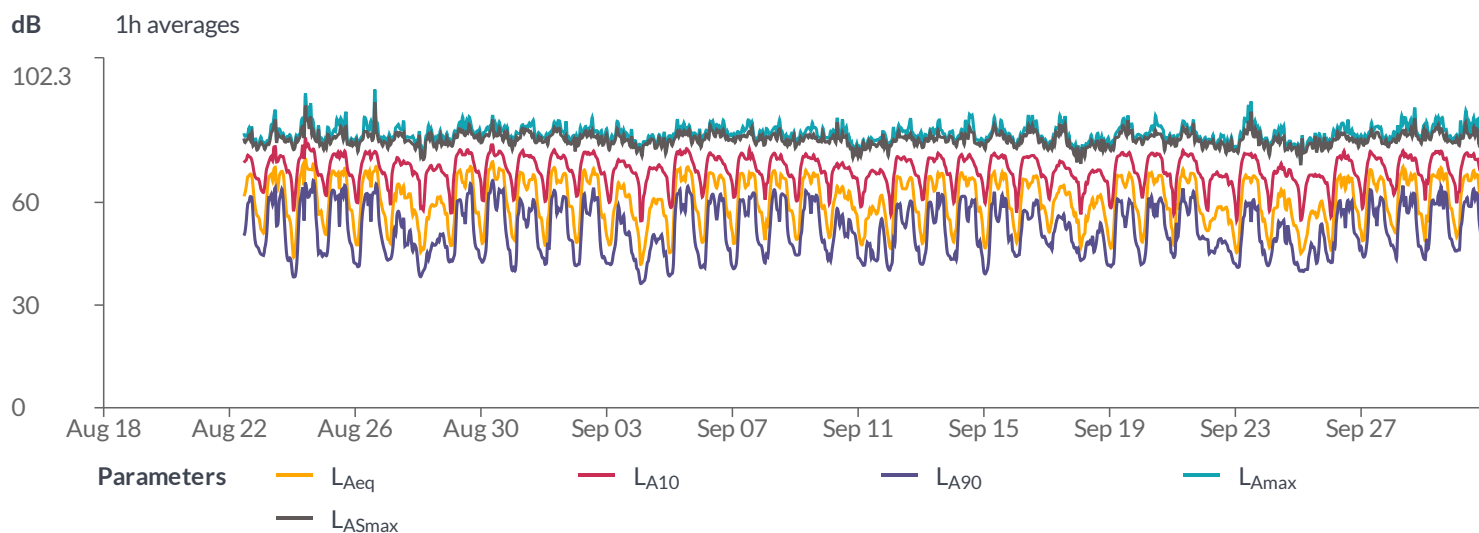
LO6 West Neighbours

Aug 18 2022 - Sep 30 2022



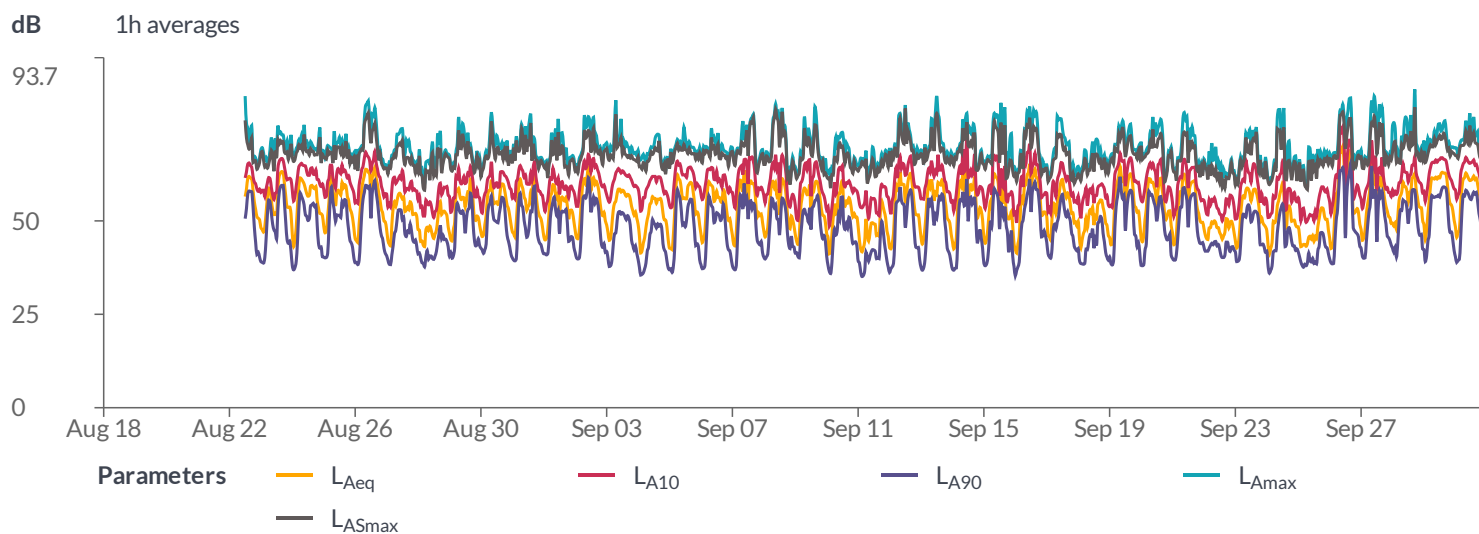
LO5 Site Gate

Aug 18 2022 - Sep 30 2022



LO4 South end

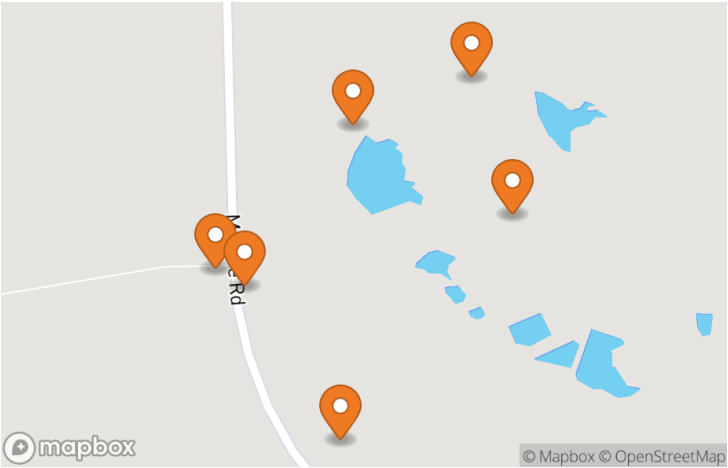
Aug 18 2022 - Sep 30 2022



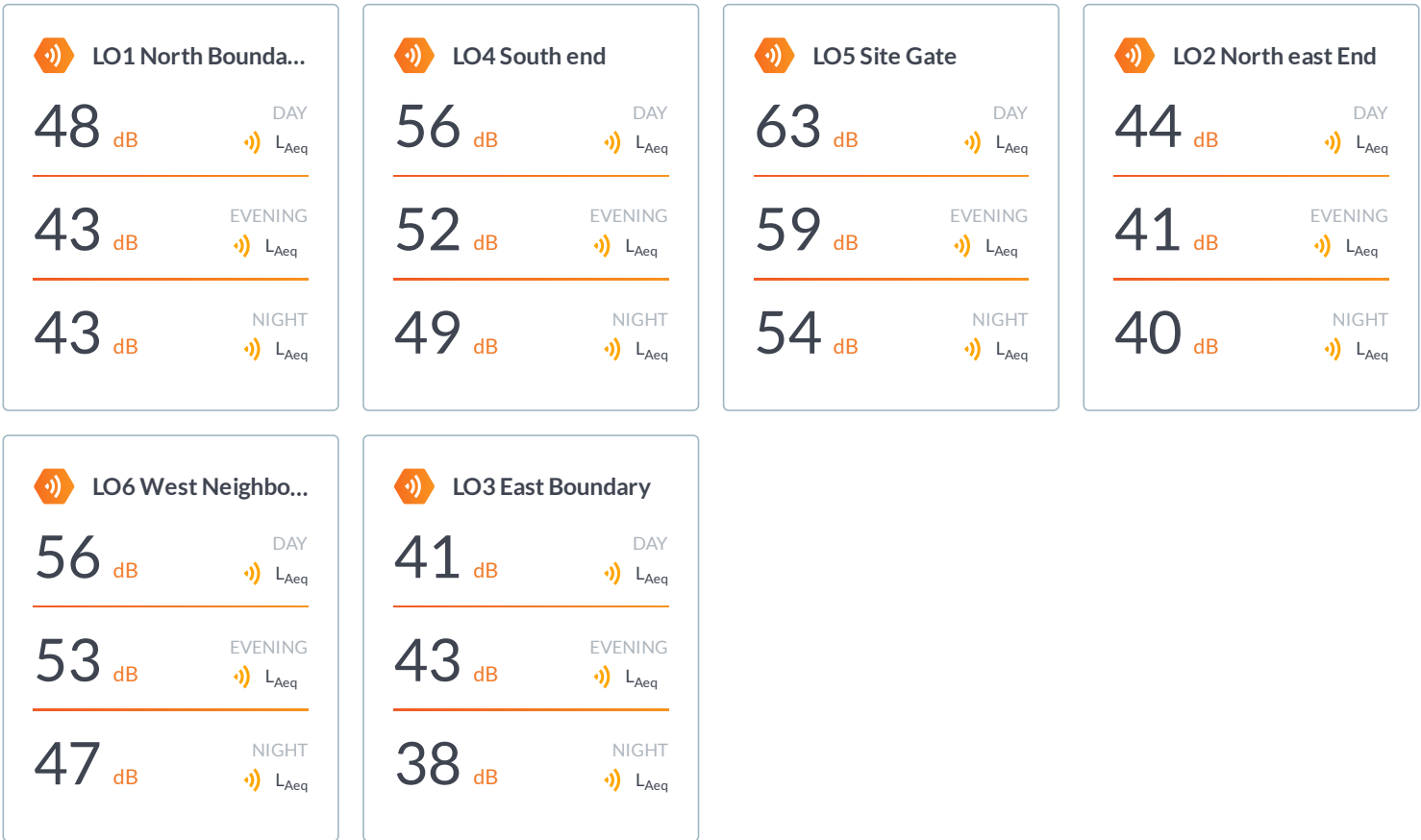
Monitoring Devices

Date Range Oct 1 2022 - Oct 31 2022

Device List	Lat	Long
 LO3 East Boundary	-33.8419	150.7888
 LO1 North Boundary	-33.8398	150.7844
 LO2 North east End	-33.8388	150.7876
 LO6 West Neighbours	-33.8431	150.7806
 LO5 Site Gate	-33.8435	150.7814
 LO4 South end	-33.8470	150.7841



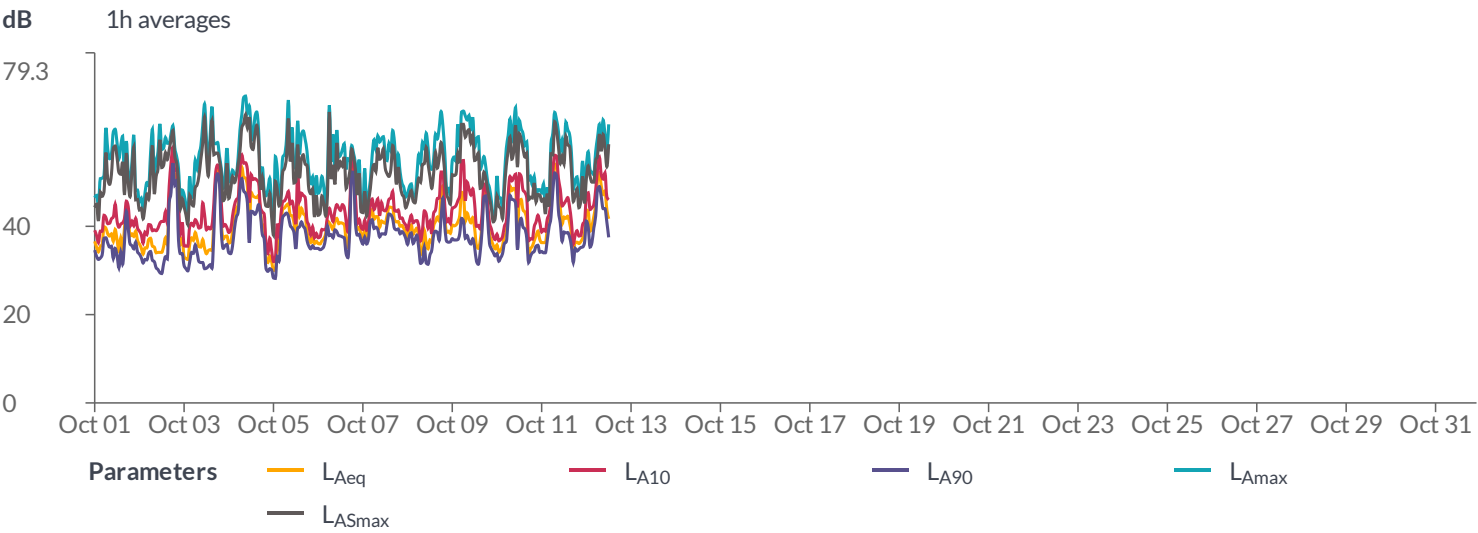
Noise Monitoring Statistics



Average value across selected time period. Time of Day Periods: Day (7am to 6pm) Evening (6pm to 10pm) Night (10pm to 7am).

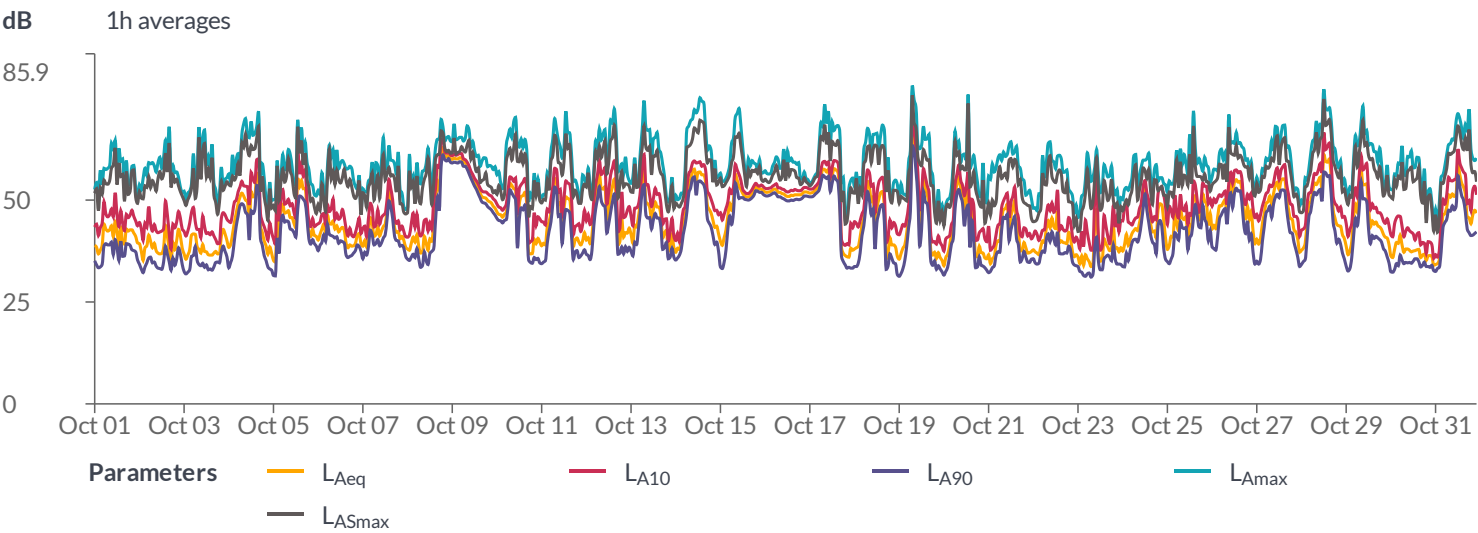
LO3 East Boundary

Oct 1 2022 - Oct 31 2022



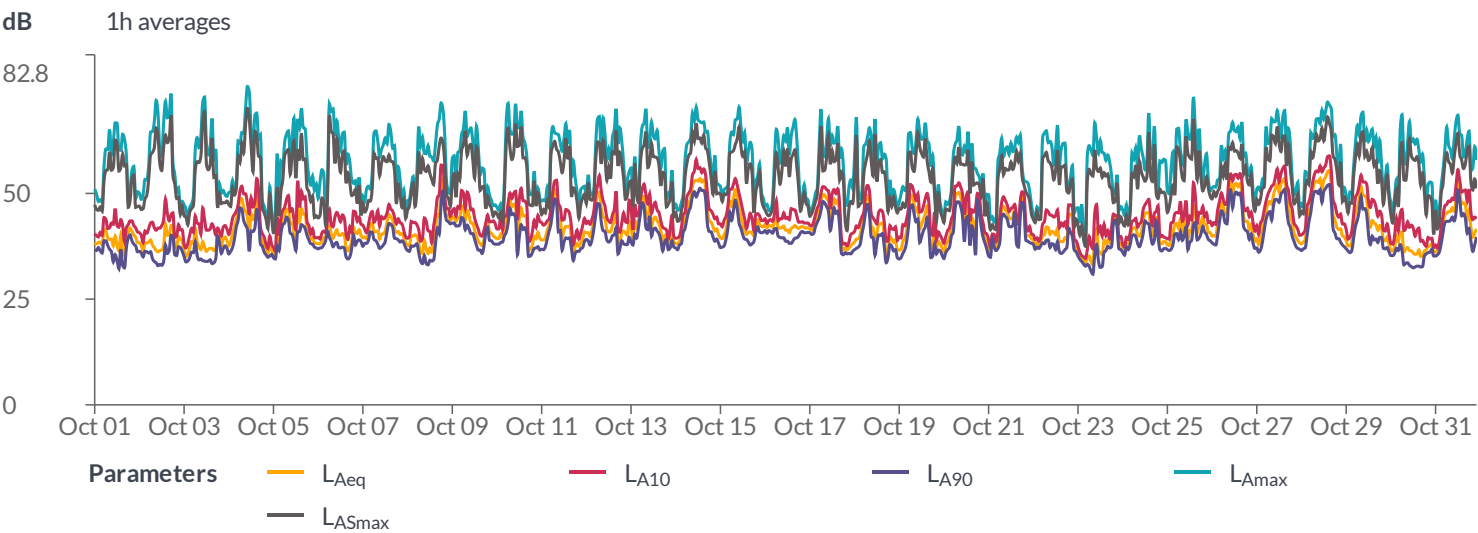
LO1 North Boundary

Oct 1 2022 - Oct 31 2022



LO2 North east End

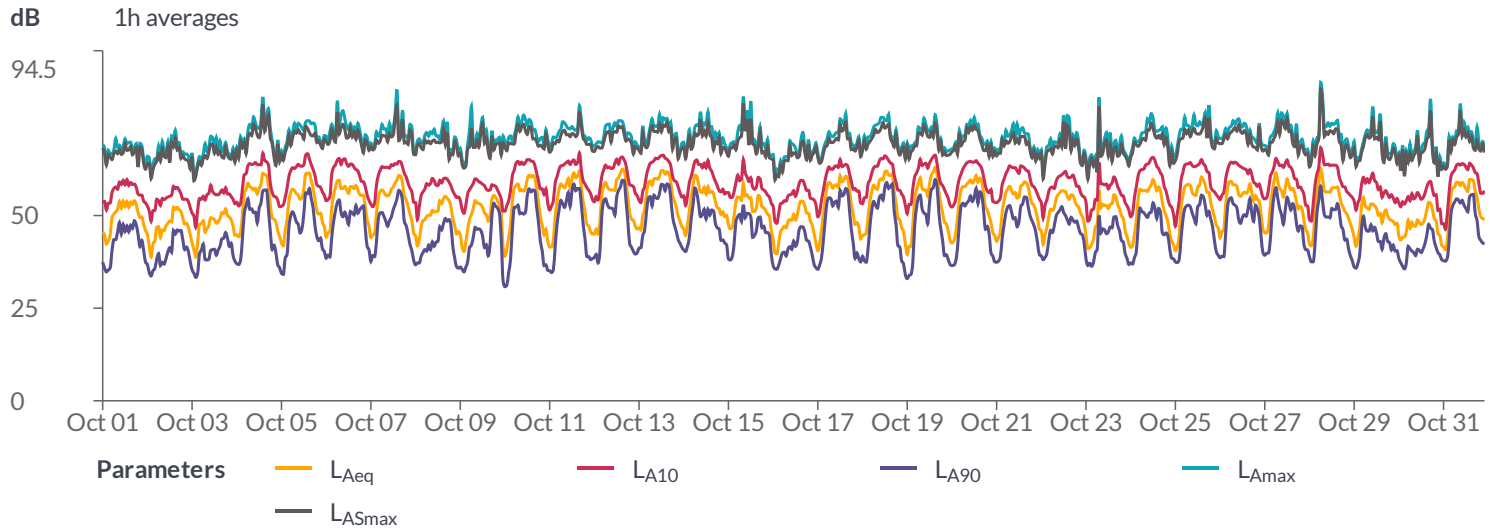
Oct 1 2022 - Oct 31 2022





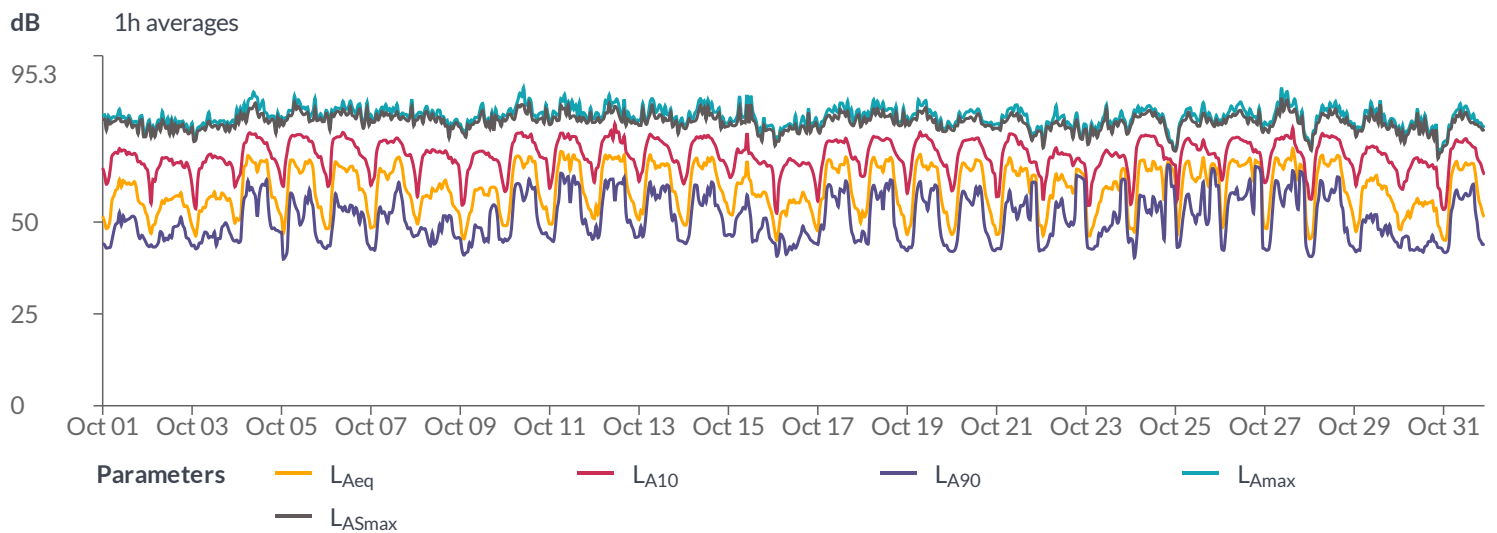
LO6 West Neighbours

Oct 1 2022 - Oct 31 2022



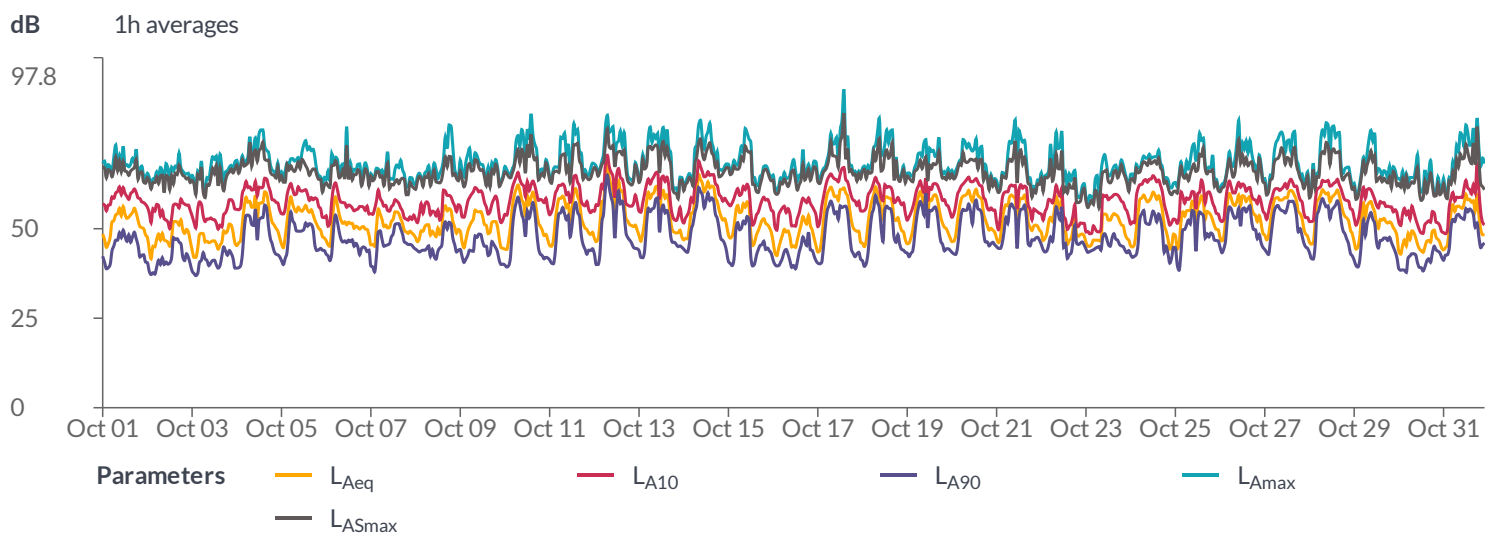
LO5 Site Gate

Oct 1 2022 - Oct 31 2022



LO4 South end

Oct 1 2022 - Oct 31 2022



10Appendix D

Quarterly Dust Monitoring Review

MEMORANDUM

Subject Aspect Industrial Estate: Quarterly Dust Monitoring Report
Date 18/11/2022
Revision 2
Reference Aug – Oct 2022

INTRODUCTION

The Aspect Industrial Estate (AIE) is required to comply with the Development Consent (SSD-10448) Condition of Approval (CoA). To address CoA D56, SLR Consulting Australia Pty Ltd (SLR) was engaged by Mirvac Projects Pty Ltd (Mircac) to prepare a Construction Air Quality Management Plan (CAQMP) for works associated with the construction of the AIE. The CAQMP includes a construction air quality monitoring program and associated reporting requirements.

This report has been prepared in accordance with the AIE CAQMP to report on the construction air quality monitoring undertaken by Western Earthmoving (WEM) during the period from August to October 2022.

Construction activities being undertaken during reporting period

Construction during August to October 2022 included the following activities:

- WEM mobilised on site on the 18 August including the installation of temporary site sheds and hardstand of a parking area.
- Construction commenced on the 5 September following the approval of the CEMP.
- Demolition of existing buildings (houses and sheds) commenced following approval of the CEMP and was completed on the 21 October
- Vegetation removal and dewatering of the existing farm dams was completed in September.
- Bulk earthworks commenced across the entire site and is ongoing.

Weather conditions during reporting period

Weather observations from the nearest Bureau of Meteorology weather station at Horsely Park are provided in Attachment A.

Rainfall was low in August (11.8mm), moderate in September (85.2mm) and high in September (150.8mm). Relative humidity was moderate throughout all three months. Wind speeds were also moderate to high with frequent days exceeding 6m/s.

METHODS

Dust Monitoring Program

WEM have established a real time dust monitoring system (SiteHive) with six unattended air particulate monitoring devices located around the site:

- LO1 North Boundary
- LO2 North east End
- LO3 East Boundary
- LO4 South end
- LO5 Site Gate (Western site perimeter)
- LO6 West Neighbours

The particulate criterion for the SiteHive loggers is as follows:

- PM₁₀ - 50 µg/m³ (24-hr average).
- PM_{2.5} - 25 µg/m³ (24-hr average).

The devices were deployed on the 22 August and have been running continuously thereafter (with the exception of LO3 which has had some technical issues). The SiteHive devices measure PM₁₀ and PM_{2.5} (ug/m³) in 15 minute increments 24hrs a day. The data is relayed to an online portal and provides notifications when the 1hr averaging period dust criteria (190µm/m³) is exceeded, allowing WEM to investigate and mitigate the causes of elevated dust generation in real time.

Background Air Quality

The AIE is located within a development precinct with numerous sources of particulate air pollution including Mamre Road and other industrial development on Mamre Road to the northwest of the site. Differentiating between the impact of the AEI construction works and the 'ambient' background dust levels is not possible. As such, the results should be interpreted with reference to these background particulate air quality.

RESULTS

The daily cumulative PM₁₀ and PM_{2.5} results for each SiteHive device during the reporting period is presented in the table below. Records exceeding the daily criteria are highlighted in red.

Daily Cumulative PM_{2.5} and PM₁₀ Results

Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Aug												
22-Aug	5	7	1	4			1	10	3	30	1	4
23-Aug	9	11	1	6			1	5	2	19	2	9
24-Aug	10	13	2	5			2	7	3	17	2	7
25-Aug	10	21	3	15			4	17	6	55	4	23
26-Aug	9	13	4	11			4	12	4	22	3	13
27-Aug	26	828	54	1849			35	517	12	495	20	746
28-Aug	49	1225	62	1563			47	1002	22	638	29	798
29-Aug	46	756	58	1212			35	354	15	170	30	557
30-Aug	31	293	30	377			46	407	21	349	35	395
31-Aug	11	22	5	15	9	24	5	18	6	32	5	19
Sep												
1-Sep	16	174	22	393	17	104	15	59	12	41	12	64
2-Sep	28	816	62	1340	16	348	22	374	9	127	13	293
3-Sep	8	9	6	14	3	7	3	6	6	18	5	13
4-Sep	14	18	4	13	4	9	5	15	5	14	4	11
5-Sep	11	63	4	20	3	11	4	24	6	32	0	0
6-Sep	11	18	6	28	3	9	4	16	5	30	0	0
7-Sep	14	194	18	376	0	1	18	241	6	111	0	0
8-Sep	26	454	35	502	7	77	6	54	8	51	0	0
9-Sep	8	12	3	11	4	11	4	13	4	16	0	0
10-Sep	9	14	1	4	1	3	1	4	1	6	0	0

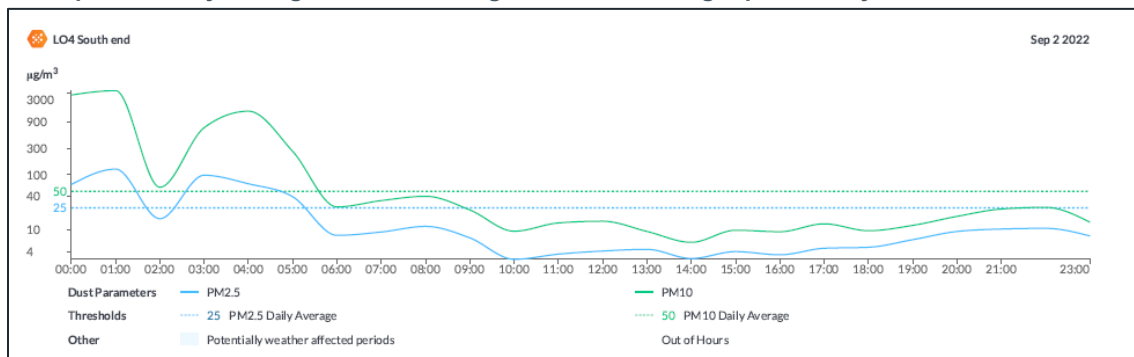
Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
11-Sep	8	10	2	6	3	5	2	6	2	7	0	0
12-Sep	11	19	3	10	3	10	4	29	6	59	0	0
13-Sep	12	32	3	12	3	11	4	15	6	69	0	0
14-Sep	10	19	4	17	5	15	4	23	4	34	0	0
15-Sep	13	28	7	17			10	24	5	11	0	0
16-Sep	16	210	16	422			28	539	10	252	0	0
17-Sep	8	12	2	6			3	20	3	9	0	0
18-Sep	8	9	1	3			1	3	1	4	0	0
19-Sep	10	20	4	25			5	45	4	34	0	0
20-Sep	11	21	4	20			9	108	6	49	0	0
21-Sep	15	41	9	38			12	69	10	66	0	0
22-Sep	15	22	13	52			24	63	9	20	0	0
23-Sep	19	32	21	54			25	51	17	39	0	0
24-Sep	49	731	1	4			54	921	38	482	0	0
25-Sep	34	939	34	1764			55	1427	22	1069	0	0
26-Sep	14	38	12	197			7	25	6	47	0	0
27-Sep	25	313	30	640			18	175	8	162	0	0
28-Sep	15	57	9	42			3	10	5	25	0	0
29-Sep	15	19	2	7			2	7	3	11	0	0
30-Sep	17	25	10	25			9	23	10	34	0	0
Oct												
1-Oct	15	25	8	23			9	26	9	25	0	0
2-Oct	11	16	3	14			3	13	3	10	0	0

Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
3-Oct	26	1119	38	2641			26	1365	6	404	0	0
4-Oct	16	44	8	78			7	98	5	46	0	0
5-Oct	21	35	14	35			18	43	8	18	0	0
6-Oct	16	26	10	25			7	17	9	22	0	0
7-Oct	22	454	18	556			1	3	14	384	0	0
8-Oct	44	702	47	1209			52	1070	24	792	0	0
9-Oct	11	14	2	6			2	7	2	7	0	0
10-Oct	15	25	6	23			7	25	7	32	0	0
11-Oct	15	26	5	21			5	23	5	32	0	0
12-Oct	12	25	5	23			6	43	6	37	6	30
13-Oct	14	65	7	29			8	50	8	43	8	38
14-Oct	12	20	4	16			6	49	3	9	4	13
15-Oct	11	25	4	21			6	71	4	29	4	18
16-Oct	13	23	5	23			5	16	5	16	5	18
17-Oct	14	29	6	18	8	15	6	24	8	51	7	29
18-Oct	16	30	6	26			7	34	8	57	7	41
19-Oct	15	26	7	25			11	87	9	52	9	44
20-Oct	15	26	8	27			9	28	9	34	9	33
21-Oct	14	24	8	26			11	36	9	25	10	29
22-Oct	15	35	7	57			12	51	7	28	7	38
23-Oct	16	21	5	15			5	15	5	15	5	15
24-Oct	13	19	5	19			8	25	5	17	6	18
25-Oct	31	456	32	982			51	569	27	251	23	428

Site	LO1 North Boundary		LO2 North east End		LO3 East Boundary		LO4 South end		LO5 Site Gate		LO6 West Neighbours	
Measure	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10
Criteria	25	50	25	50	25	50	25	50	25	50	25	50
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
26-Oct	6	15	2	12			2	9	2	10	2	9
27-Oct	9	16	1	9			2	11	2	10	1	6
28-Oct	10	20	2	13			1	8	2	10	2	7
29-Oct	8	15	2	9			1	7	2	9	1	7
30-Oct	9	13	2	8			2	7	2	7	2	9
31-Oct	8	22	3	19			4	35	4	23	3	21

The SiteHive devices reported exceedances of the daily dust criteria at one or more locations on 31 days during the reporting period. However, a review of the daily profile of hourly PM₁₀ and PM_{2.5} averages on each day identified that the daily exceedance was solely as a result of exceedance outside of construction hours on 24 days (refer to example graph below). The daily graphs for all devices on each day with a reported daily exceedance are provided in Attachment B.

Example of hourly average data illustrating exceedance in night period only



Advice from SiteHive on this trend was that their aerosol monitors are susceptible to misreading condensation as dust which will result in a falsely elevated cumulative daily level. As such, the days on which the daily PM₁₀ and/or PM_{2.5} level exceeded the criteria during the night period only, and the PM₁₀ and PM_{2.5} was maintained below the criteria during the construction hours, have been interpreted as being below the daily dust target criteria.

Six remaining days were identified from the dataset when the daily target was exceeded as a result of exceedance primarily during the construction hours, as summarised in the following table. This indicated that the PM₁₀ target was exceeded on four days at the site gate and twice on the southern boundary. The PM_{2.5} criteria was maintained throughout the construction period. These exceedances have are likely to be primarily as a result of construction activities on the AEI site.

Daily exceedance of dust criteria attributes to AEI construction activities

Date	Device	*PM _{2.5}	*PM ₁₀
Criteria		25ug/m3	50ug/m3
25 Aug	LO5 Site Gate	6	55
8 Sept	LO5 Site Gate	8	51
12 Sept	LO5 Site Gate	6	59
13 Sept	LO5 Site Gate	6	69
4 Oct	LO4 South end	7	98
15 Oct	LO4 South end	6	71

* 24hr averaging period

Given the scale of the earthworks and other contributing activities to local dust levels (Mamre Road and other construction works in the precinct) these results reflect good performance by WEMs to control dust during the demolition works, topsoil stripping and commencement of bulk earthworks.

COMPLAINTS

No community complaints were received by the AIE project during the reporting period.

CONCLUSION

WEM have established real time air quality monitoring system at the locations specified in the CAQMP. The devices have indicated that construction air quality levels are generally being maintained at acceptable levels during the reporting period. In recognition of the instances where the dust criteria was not achieved, WEM will continue to monitor performance and seek measures to further improve their dust control during the construction of the AIE.

Prepared by Peter Monsted,

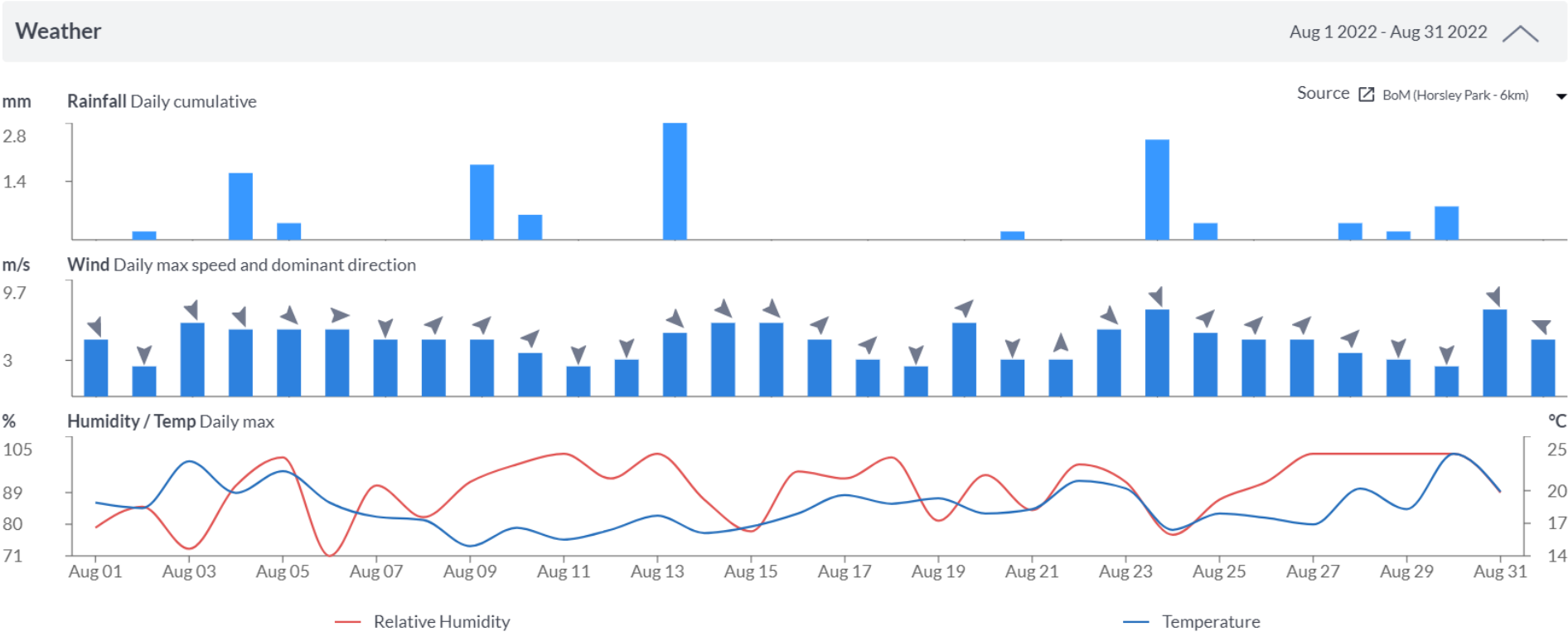
A handwritten signature in blue ink, appearing to read 'P. Monsted'.

WEM's Contractors Environmental Representative

Peter@leneco.net.au

Mob. 0437 685 224

Attachment A – Weather conditions during reporting period



Horsley Park, New South Wales

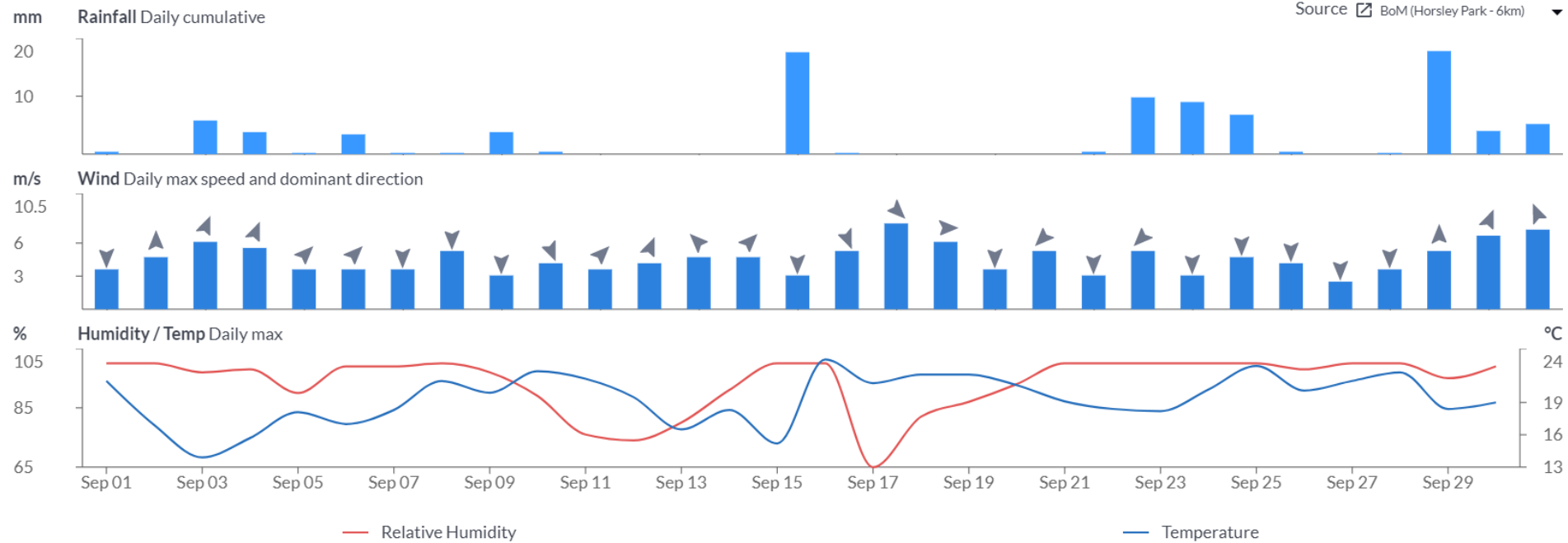
August 2022 Daily Weather Observations

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am					3 pm						
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP
1	Mo	5.7	19.4	0			WNW	37	13:32	12.0	76		N	6		18.9	30		W	11	
2	Tu	4.1	19.0	0			NNW	15	12:47	11.1	64		NNE	2		18.3	27		NNE	6	
3	We	8.6	22.8	0.2			N	37	13:51	11.1	71		NW	6		21.8	46		N	20	
4	Th	11.0	20.0	0			NNW	43	13:00	17.4	71		N	11		19.5	67		NNW	9	
5	Fr	12.9	21.9	2.0			WNW	41	18:16	15.2	79		NW	6		21.7	32		NW	19	
6	Sa	10.2	19.1	0			W	33	15:09	15.6	44		WNW	11		18.1	33		W	15	
7	Su	5.7	18.1	0			SW	30	10:41	12.7	63		WSW	7		16.7	43		SW	7	
8	Mo	7.3	18.4	0			SSW	30	09:24	11.8	68		SW	13		17.3	44		S	9	
9	Tu	7.2	15.2	0			SSW	30	14:12	10.5	68		SW	13		14.8	58		S	15	
10	We	8.1	17.0	2.4			ESE	26	16:35	11.1	70		SW	13		16.5	59		E	9	
11	Th	6.7	15.8	0			N	20	13:35	9.9	98		Calm			14.8	67		N	9	
12	Fr	9.8	17.3	0			N	20	15:56	14.1	67		N	9		15.6	67		NNE	7	
13	Sa	9.8	18.6	2.8			WNW	30	15:24	12.1	89		NNW	7		17.3	49		WSW	2	
14	Su	7.0	16.5	0			NW	41	14:42	13.5	54		NW	9		15.8	44		NW	22	
15	Mo	8.2	17.5	0			W	44	13:19	13.2	48		NW	13		16.2	45		WNW	22	
16	Tu	4.6	18.5	0			W	39	12:53	11.9	66		NW	6		15.9	39		SW	13	
17	We	5.7	19.8	0			SW	20	09:55	12.2	62		WSW	11		19.6	36		Calm		
18	Th	5.4	19.1	0			N	13	13:11	9.8	90		Calm			18.4	46		NNW	4	
19	Fr	9.7	20.2	0			SW	44	15:55	15.7	54		NW	13		16.7	58		WSW	11	
20	Sa	3.4	18.0	0.2			WSW	31	17:05	12.2	56		NW	6		16.5	46		N	6	
21	Su	9.6	18.7	0			SSW	19	08:30	12.5	53		SW	7		18.3	41		NNW	4	
22	Mo	5.3	21.5	0			W	39	16:07	11.9	68		N	6		20.2	31		W	20	
23	Tu	9.4	20.9	0			S	46	14:59	17.1	49		NNW	13		9.3	88		S	20	
24	We	6.0	16.7	2.8			SW	33	09:45	10.6	54		SSW	15		16.4	33		WSW	11	
25	Th	4.1	18.1	0			SW	26	10:02	12.4	61		WNW	2		16.3	48		ESE	6	
26	Fr	8.9	17.9	0			SE	30	16:53	13.4	65		SW	13		16.6	58		SSE	13	
27	Sa	8.8	17.4	0.4			ENE	20	12:32	13.1	81		W	6		15.2	74		E	13	
28	Su	7.1	21.2	0			ENE	19	17:30	12.9	86		W	4		19.4	53		ENE	6	
29	Mo	9.5	18.5	0.2			ESE	17	11:01	13.3	100		NNW	2		17.8	68		WNW	4	
30	Tu	11.7	23.9	0.8			N	46	11:48	17.4	70		N	13		22.1	56		N	19	
31	We	7.5	20.7	0			ESE	26	15:07	15.3	61		SW	11		18.6	65		ESE	13	
Statistics for August 2022																					
Mean		7.7	19.0							13.0	67			8		17.4	50			11	
Lowest		3.4	15.2	0						9.8	44		Calm			9.3	27		Calm		
Highest		12.9	23.9	2.8			#	46		17.4	100		SSW	15		22.1	88		#	22	
Total				11.8																	

IDCJDW2062.202208 Prepared at 13:00 UTC on Thursday 3 November 2022

Weather

Sep 1 2022 - Sep 30 2022 



Horsley Park, New South Wales

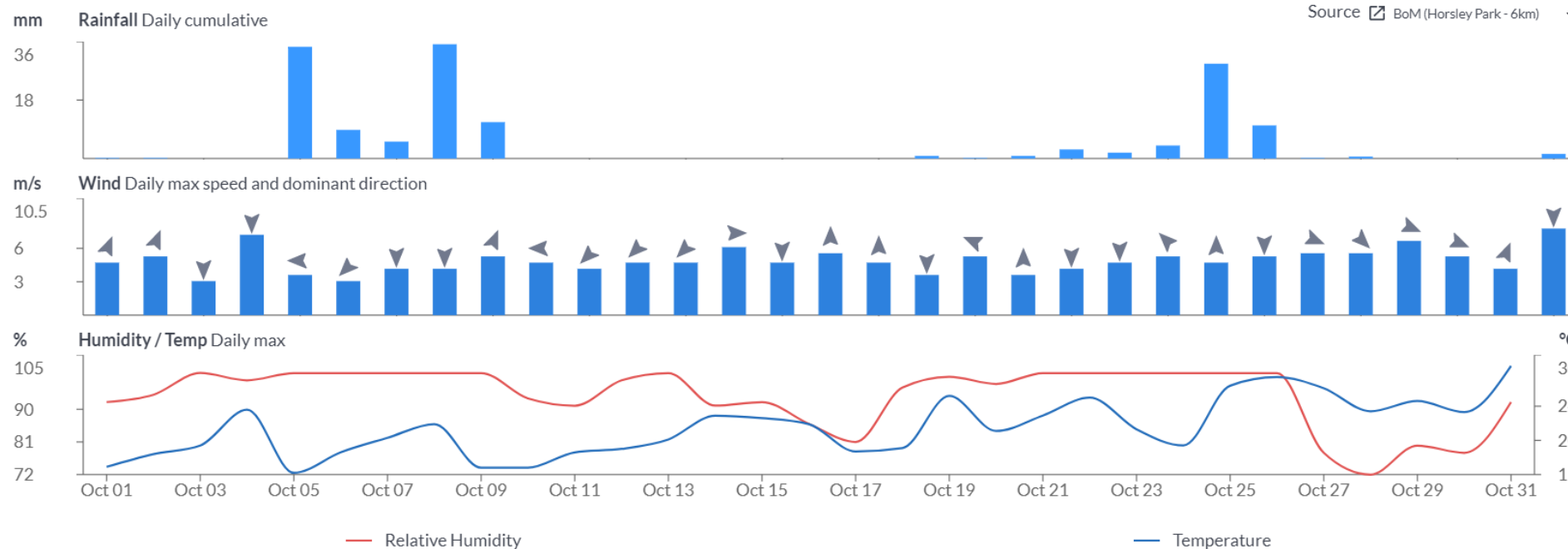
September 2022 Daily Weather Observations

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am					3 pm						
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP
		°C	°C				mm	mm	hours	km/h	local	°C	%	g th	km/h	hPa	°C	%	g th	km/h	hPa
1	Th	12.4	21.4	0.2			N	22	11:27	15.3	88		WNW	4		21.0	45		NNE	6	
2	Fr	11.2	17.2	0.2			S	37	23:04	15.3	72		SSW	7		14.9	66		SSE	17	
3	Sa	9.7	14.1	0.8			S	44	12:30	10.1	90		SSW	17		13.9	77		SSW	13	
4	Su	9.9	16.5	7.8			SSW	39	13:16	12.0	97		SW	15		14.2	71		S	17	
5	Mo	6.0	18.5	1.0			SSE	30	15:44	13.5	62		SW	9		17.1	53		ESE	11	
6	Tu	7.6	17.1	0.2			SSE	22	08:53	13.8	64		SSW	9		15.2	64		ESE	11	
7	We	6.6	19.1	3.6			NE	20	17:09	13.8	75		NW	2		17.8	54		NE	11	
8	Th	9.4	21.7	0			ENE	30	16:25	15.0	76		NNE	7		19.8	57		ENE	17	
9	Fr	13.4	21.0	2.8			NNE	28	15:31	13.7	96		NNE	4		18.3	62		NNW	7	
10	Sa	10.7	22.6	1.4			NNW	30	11:25	16.9	70		N	7		20.2	46		WSW	15	
11	Su	9.0	21.4	0.2			WSW	28	11:00	14.9	50		W	7		21.0	30		WNW	2	
12	Mo	6.3	19.9	0			SW	26	16:13	13.0	53		W	7		19.5	35		WSW	9	
13	Tu	7.5	17.1	0			ESE	28	14:47	13.2	70		SSE	9		14.8	48		ESE	15	
14	We	7.8	18.5	0			ENE	24	16:38	13.2	64		WSW	4		16.5	53		ESE	11	
15	Th	8.7	16.7	1.0			N	26	12:02	11.9	88		NW	4		12.8	96		NNE	9	
16	Fr	10.3	23.1	16.6			NW	33	15:00	16.5	74		N	7		22.9	27		NW	20	
17	Sa	12.4	21.3	0.2			W	48	16:25	18.8	48		NW	11		20.5	37		W	11	
18	Su	8.1	22.0	0			W	39	15:52	16.6	42		W	11		21.6	29		W	13	
19	Mo	8.0	22.3	0			SSW	30	14:55	15.3	53		NNW	2		21.4	25		SW	13	
20	Tu	6.7	21.1	0			ENE	28	16:10	14.0	53		W	4		20.4	40		NE	11	
21	We	10.3	19.5	0			N	20	10:28	17.2	76		N	9		18.4	66		Calm		
22	Th	13.7	18.6	10.0			E	33	08:42	15.5	88		ENE	15		17.8	70		ENE	9	
23	Fr	13.8	18.6	4.8			NE	30	14:00	16.1	91		NE	2		16.9	88		ENE	7	
24	Sa	14.0	21.2	4.6			SSW	33	10:59	18.5	82		W	4		17.1	76		E	13	
25	Su	7.4	22.5	6.8			ESE	22	17:29	12.0	100		NNW	2		22.0	31		W	2	
26	Mo	10.0	20.5	0.2			ENE	17	17:46	14.0	75		W	4		20.1	52		N	6	
27	Tu	11.5	21.9	0			NNE	24	15:10	14.9	96		Calm			20.9	61		NNE	13	
28	We	12.3	22.3	0.6			SSW	31	18:00	16.8	74		SSW	4		19.4	62		SE	15	
29	Th	11.5		20.2						17.2	68		SSW	19		15.8	81		S	22	
30	Fr	13.2	19.6	2.0			SSE	46	13:56	16.1	67		S	19		16.8	69		S	20	
Statistics for September 2022																					
Mean		10.0	19.9							14.8	73			7		18.3	55			11	
Lowest		6.0	14.1	0						10.1	42		Calm			12.8	25		Calm		
Highest		14.0	23.1	20.2			W	48		18.8	100		#	19		22.9	96		S	22	
Total				85.2																	

IDCJDW2062.202209 Prepared at 16:00 UTC on Wednesday 16 November 2022

Weather

Oct 1 2022 - Oct 31 2022



Horsley Park, New South Wales

October 2022 Daily Weather Observations

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am					3 pm						
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP
		°C	°C					km/h	local	°C	%	g th		km/h	hPa	°C	%	g th		km/h	hPa
1	Sa	11.1	17.9	5.2			SE	31	14:39	13.7	76		S	11		14.3	70		SSE	13	
2	Su	8.2	19.0	0.2			SE	31	13:36	12.0	81		WSW	6		17.3	62		SE	17	
3	Mo	7.0	20.1	0.2			ENE	20	17:43	12.2	83		W	7		18.4	44		NNE	6	
4	Tu	7.1	24.1	0			SE	39	16:23	13.8	76		WNW	2		23.6	37		Calm		
5	We	13.1	15.5	7.2			E	22	12:48	13.5	100		NW	4		14.3	100		NE	9	
6	Th	13.3	18.9	35.8			NE	20	14:37	14.7	100		NE	4		18.5	73		N	6	
7	Fr	12.9	20.9	0.2			N	24	10:19	16.9	88		N	6		18.4	81		N	7	
8	Sa	14.4	22.1	5.4			SE	26	14:57	17.8	94		ESE	4		19.4	92		NNE	4	
9	Su	10.2	17.4	45.8			SSW	35	08:17	11.2	74		S	19		16.1	55		S	9	
10	Mo	10.2	17.0	0.2			E	24	16:03	13.2	75		S	7		15.9	62		E	13	
11	Tu	11.3	18.9	0			E	22	16:39	14.4	80		Calm			17.6	60		NE	7	
12	We	10.1	19.7	0			NE	30	16:49	14.7	81		Calm			18.8	64		E	11	
13	Th	11.3	20.6	0			NE	31	17:12	17.2	75		NNE	7		19.8	62		ENE	15	
14	Fr	15.5	23.5	0			NW	46	09:52	18.8	74		N	19		21.8	30		W	11	
15	Sa	8.4	23.0	0			ENE	30	16:03	16.9	58		SW	11		22.6	35		S	4	
16	Su	11.8	23.3	0			SE	33	16:04	16.6	58		SW	11		20.7	54		ESE	15	
17	Mo	14.2	19.2	0			S	31	05:39	14.8	78		S	11		18.7	62		SE	15	
18	Tu	10.7	19.6	0			NNE	20	12:39	16.6	76		ESE	6		18.1	83		E	7	
19	We	15.2	25.9	0.8			ESE	33	13:38	18.1	83		NW	4		22.6	64		SE	17	
20	Th	15.9	21.5	0.2			E	22	16:15	18.7	86		SSE	9		19.9	92		SE	9	
21	Fr	17.6	22.9	2.6			ENE	28	13:57	19.3	96		NE	2		19.5	80		ENE	19	
22	Sa	15.4	25.2	1.6			NNE	28	13:07	20.2	81		N	4		22.0	81		Calm		
23	Su	18.0	21.5	1.2			SE	31	14:05	19.0	86		NNE	4		20.1	80		SE	17	
24	Mo	15.5	19.9	8.6			SSW	26	12:12	17.3	100		S	9		19.1	92		WSW	11	
25	Tu	15.3	26.7	25.8			NW	59	14:47	18.2	96		N	7		26.4	52		NE	11	
26	We	14.7	27.6	9.0			NW	37	16:06	22.2	62		WNW	7		26.9	40		WSW	9	
27	Th	16.6	27.1	0.2			W	43	11:14	21.8	50		NW	9		24.3	41		NW	17	
28	Fr	14.4	23.8	0.6			WNW	46	15:42	19.2	41		WNW	20		23.4	29		WNW	20	
29	Sa	10.7	25.2	0			NW	33	17:00	18.5	39		W	17		24.1	21		NW	15	
30	Su	10.5	23.8	0			E	24	15:08	17.1	50		SW	13		23.3	34		NNE	6	
31	Mo	14.2	28.7	0			NW	50	11:36	20.6	54		N	11		24.4	64		N	6	
Statistics for October 2022																					
Mean		12.7	22.0							16.7	75			8		20.3	61			10	
Lowest		7.0	15.5	0						11.2	39		Calm			14.3	21		Calm		
Highest		18.0	28.7	45.8			NW	59		22.2	100		WNW	20		26.9	100		WNW	20	
Total				150.8																	

IDCJDW2062.202210 Prepared at 13:00 UTC on Monday 14 November 2022

Attachment B – Site Hive Daily Summary Graphs for days exceeding the target criteria

Download CSV

Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO4 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

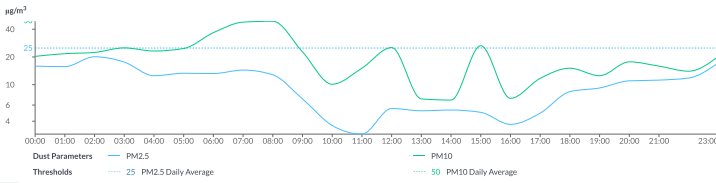
Explained events
Unexplained events

Hourly averages

Settings

LO1 North Boundary

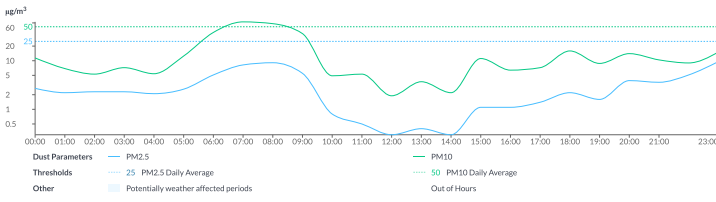
Aug 25 2022



Aspect Industrial Estate Aspect Dust Aug 25 2022 - Aug 25 2022

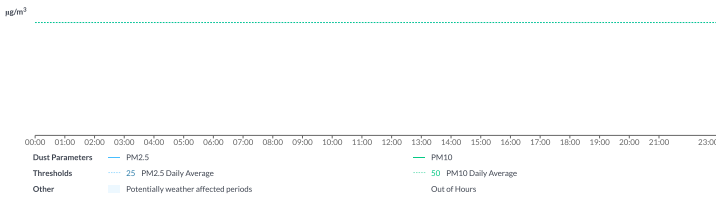
LO2 North east End

Aug 25 2022



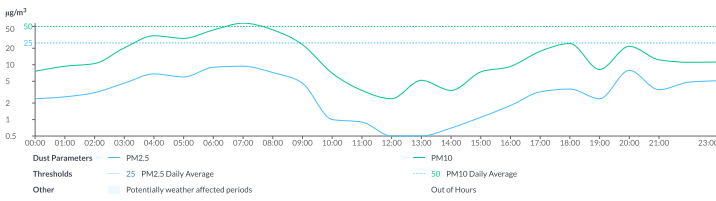
LO3 East Boundary

Aug 25 2022



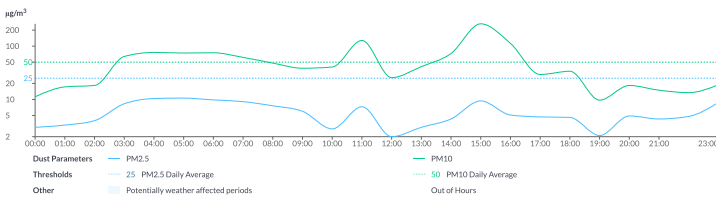
LO4 South end

Aug 25 2022



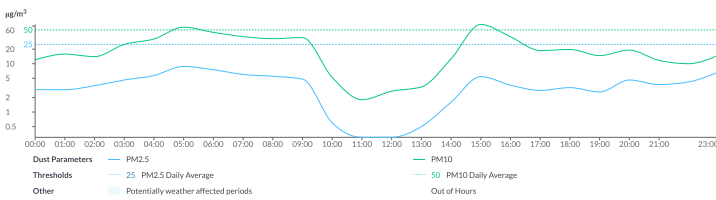
LOS Site Gate

Aug 25 2022



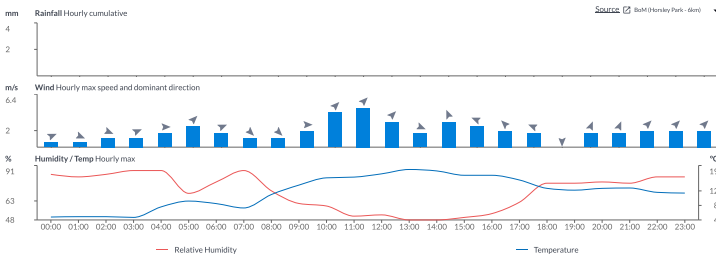
LO4 West Neighbours

Aug 25 2022



Weather

Aug 25 2022 - Aug 25 2022



Download CSV

Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North-east End
LO3 East Boundary
LO4 South end
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

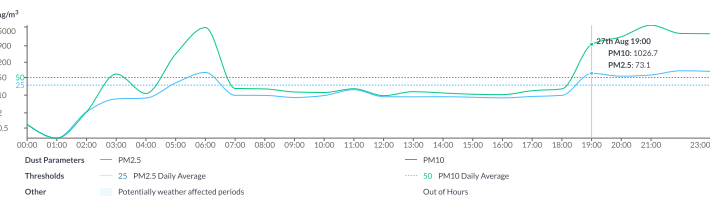
Select events shown

Explained events
Unexplained events

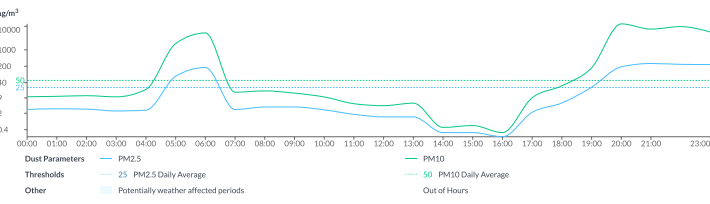
Hourly averages

Settings

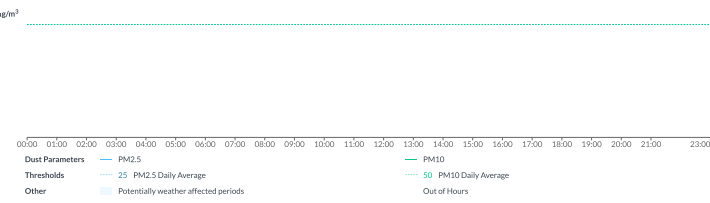
LO1 North Boundary



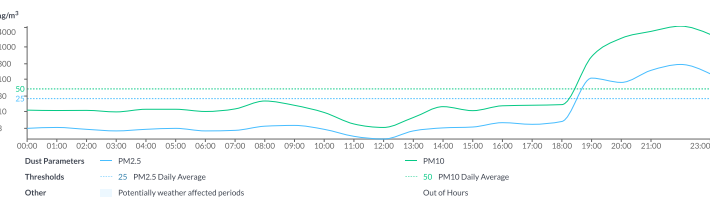
LO2 North east End



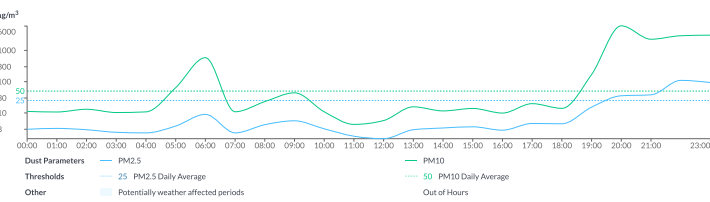
LO3 East Boundary



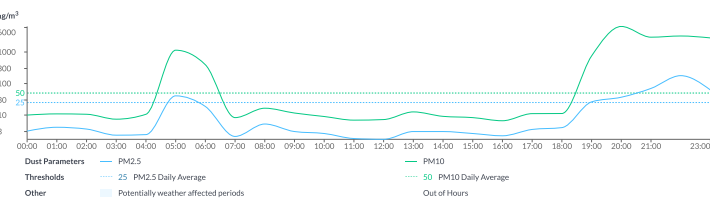
LO4 South end



LOS Site Gate

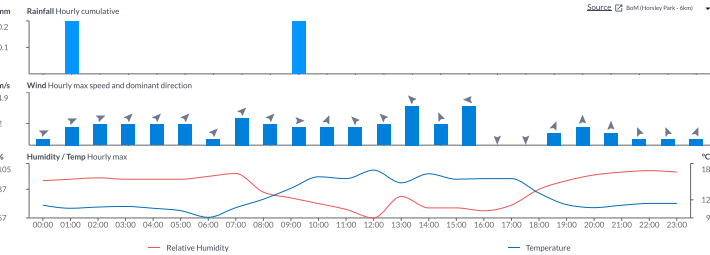


LO6 West Neighbours



Weather

Aug 27 2022 - Aug 27 2022



Download CSV

Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North-east End
LO3 East Boundary
LO4 South-east
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

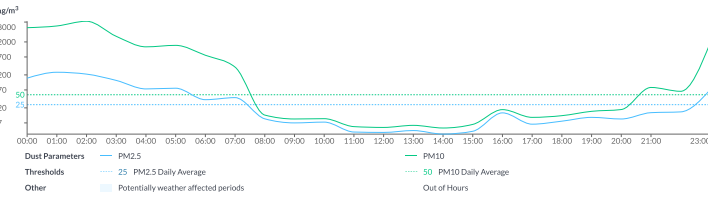
Explained events
Unexplained events

Hourly averages

Settings

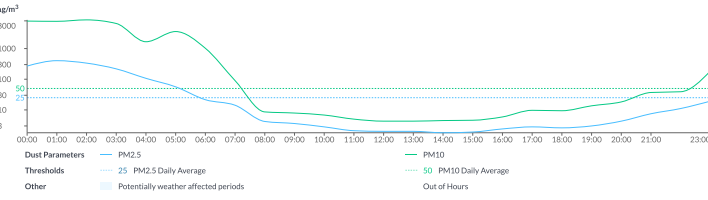
LO1 North Boundary

Aug 28 2022



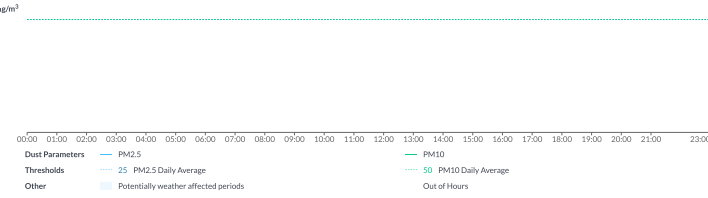
LO2 North-east End

Aug 28 2022



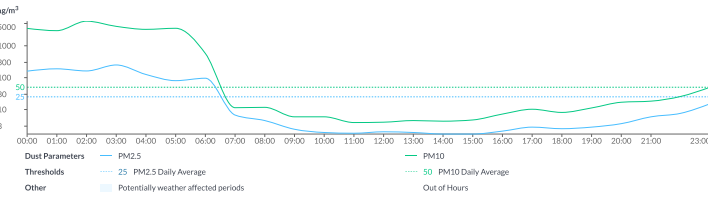
LO3 East Boundary

Aug 28 2022



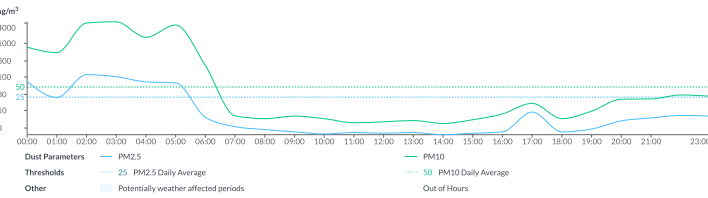
LO4 South-end

Aug 28 2022



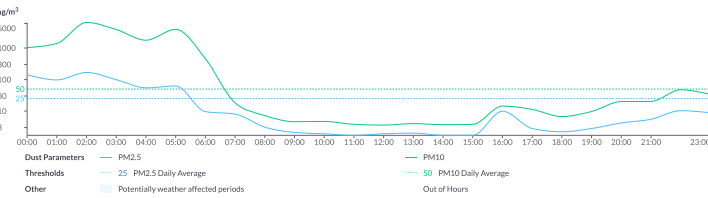
LOS Site Gate

Aug 28 2022



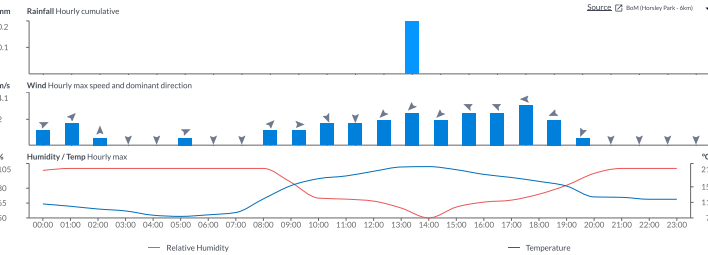
LO6 West Neighbours

Aug 28 2022



Weather

Aug 28 2022 - Aug 28 2022



Download CSV

Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North-east End
LO3 East Boundary
LO4 South-east
LO5 Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

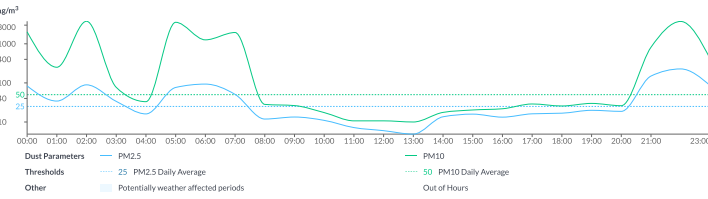
Explained events
Unexplained events

Hourly averages

Settings

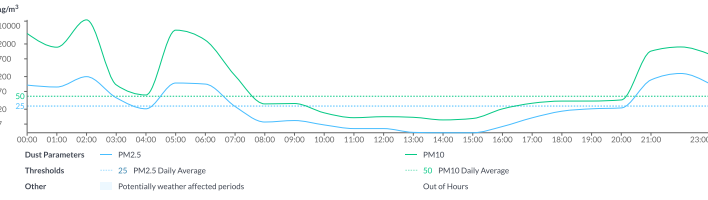
LO1 North Boundary

Aug 29 2022



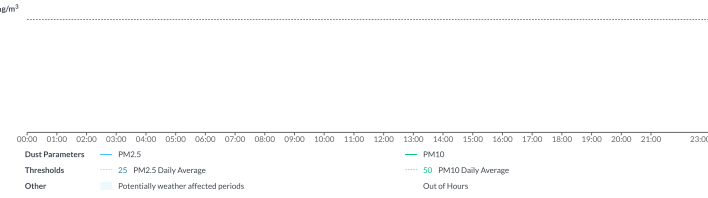
LO2 North-east End

Aug 29 2022



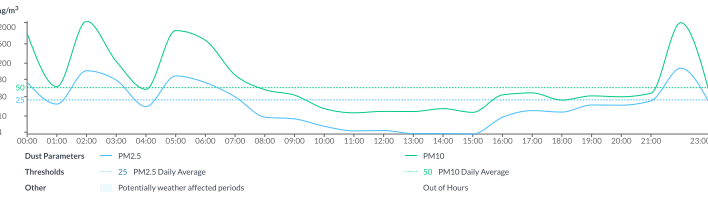
LO3 East Boundary

Aug 29 2022



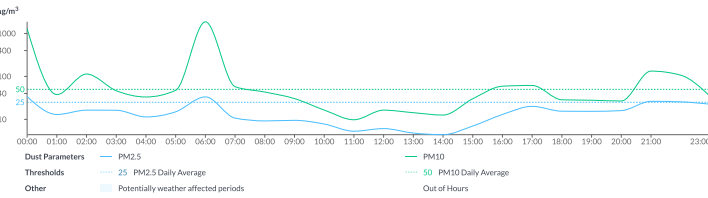
LO4 South end

Aug 29 2022



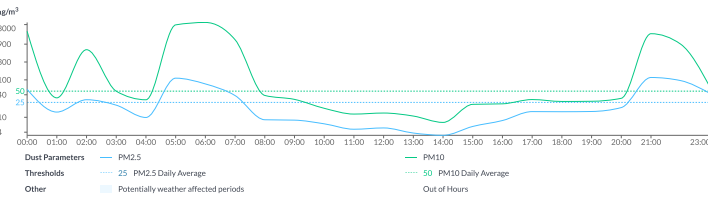
LO5 Site Gate

Aug 29 2022



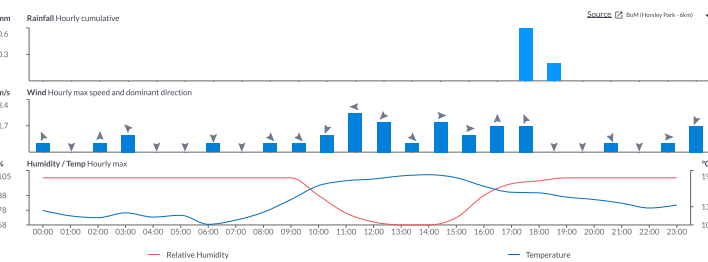
LO6 West Neighbours

Aug 29 2022



Weather

Aug 29 2022 - Aug 29 2022



Download CSV

Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North east End
LO3 East Boundary
LO4 South end
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

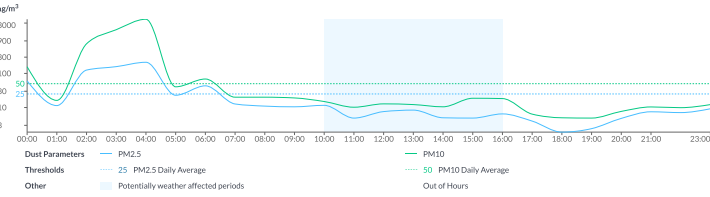
Explained events
Unexplained events

Hourly averages

Settings

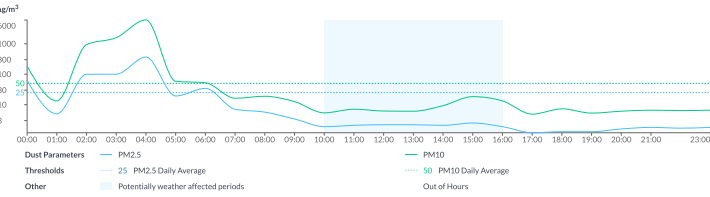
Aug 30 2022

LO1 North Boundary



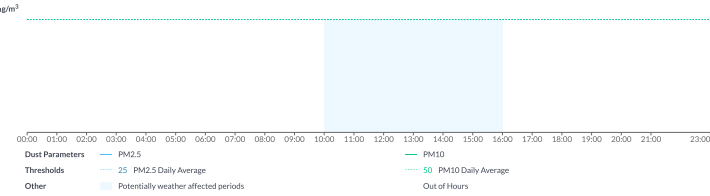
LO2 North east End

Aug 30 2022



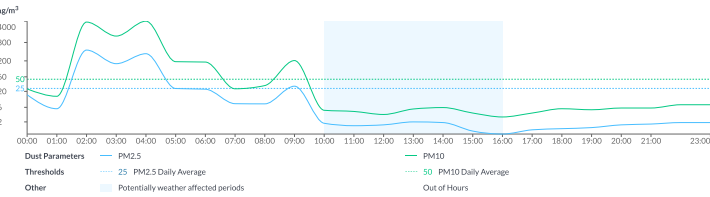
LO3 East Boundary

Aug 30 2022



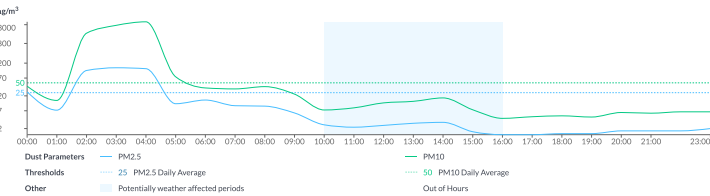
LO4 South end

Aug 30 2022



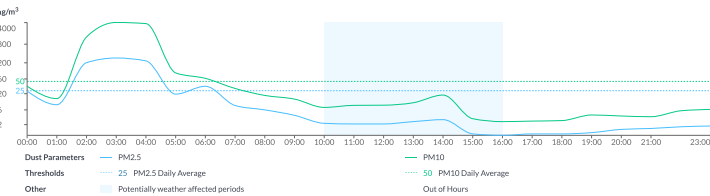
LOS Site Gate

Aug 30 2022



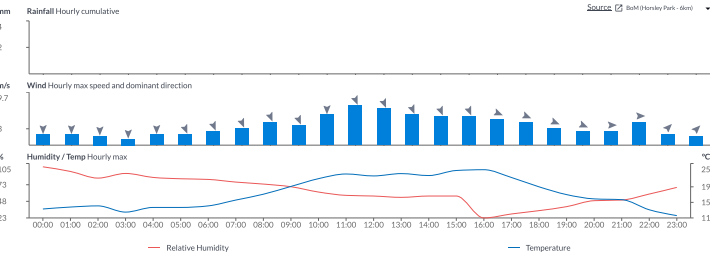
LO6 West Neighbours

Aug 30 2022



Weather

Aug 30 2022 - Aug 30 2022



Download CSV

Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

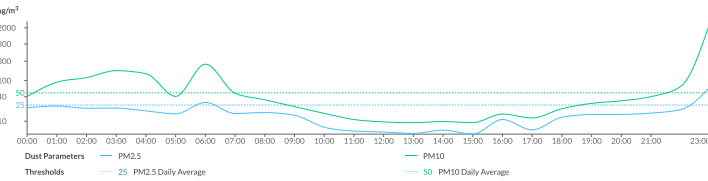
Select events shown

Explained events
Unexplained events

Hourly averages

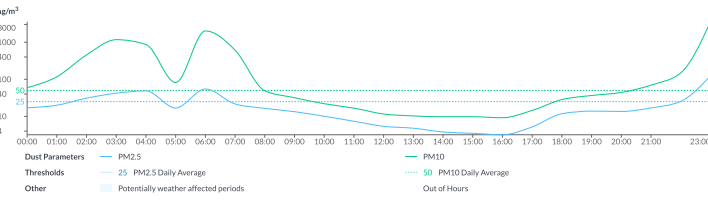
Settings

LO1 North Boundary

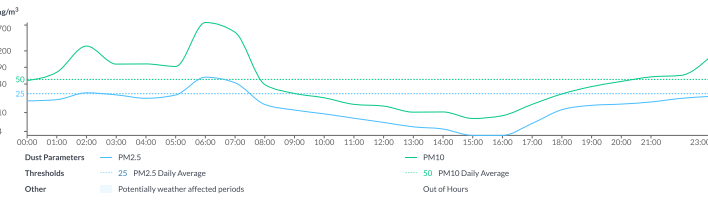


Aspect Industrial Estate Aspect Dust Sep 1 2022 - Sep 1 2022

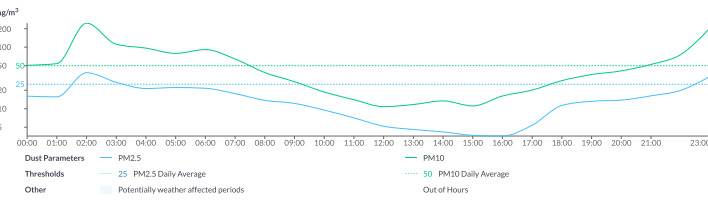
LO2 North east End



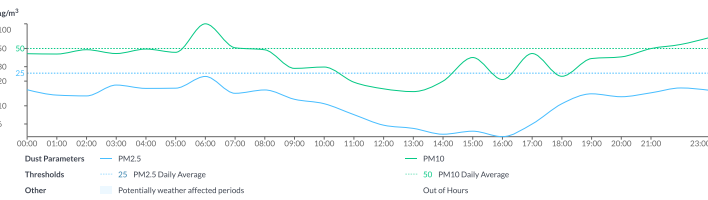
LO3 East Boundary



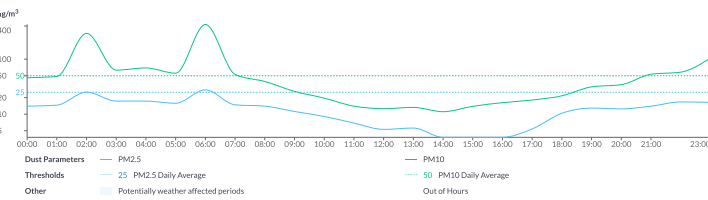
LO4 South end



LOS Site Gate

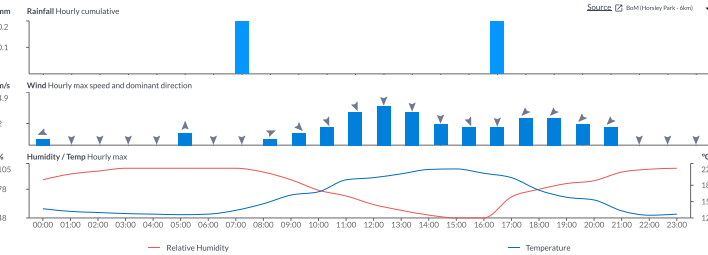


LO6 West Neighbours



Weather

Sep 1 2022 - Sep 1 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

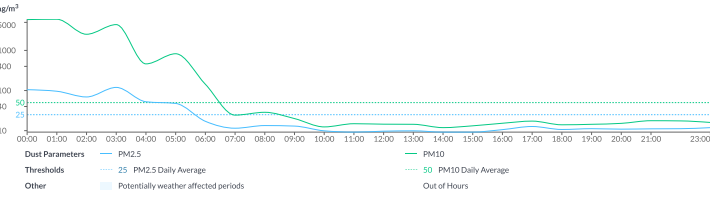
Explained events
Unexplained events

Hourly averages

Settings

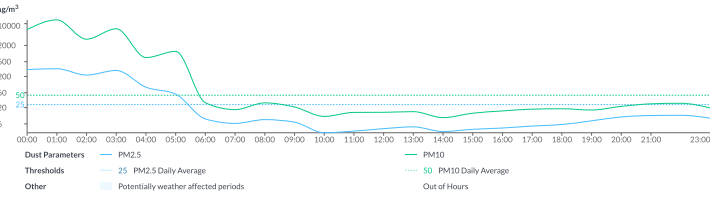
Sep 2 2022

LO1 North Boundary



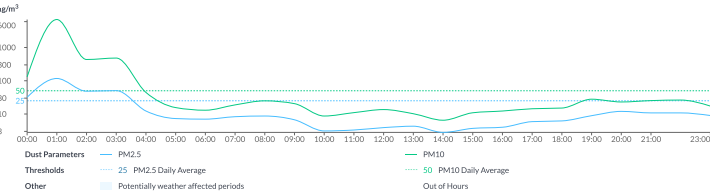
LO2 North east End

Sep 2 2022



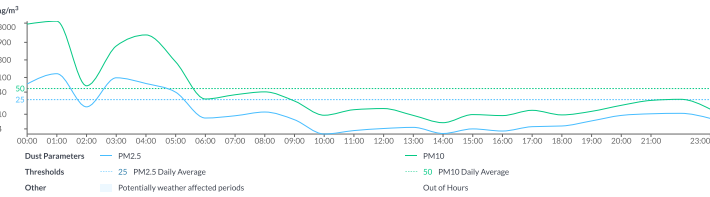
LO3 East Boundary

Sep 2 2022



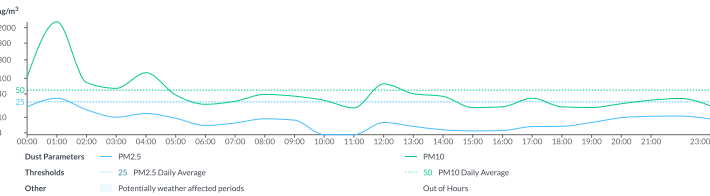
LO4 South end

Sep 2 2022



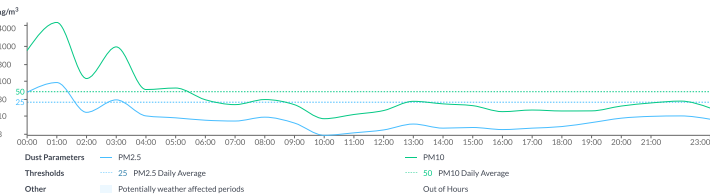
LOS Site Gate

Sep 2 2022



LO6 West Neighbours

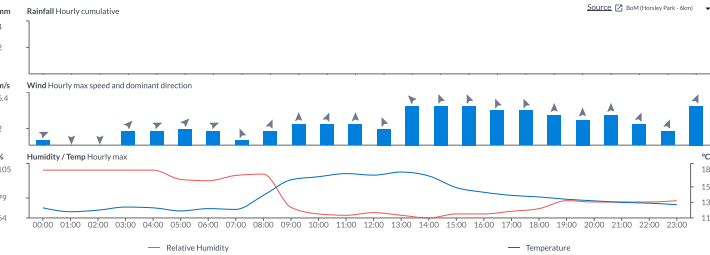
Sep 2 2022



Weather

Sep 2 2022 - Sep 2 2022

Source: BSM (Bosley Park - dm)



Download CSV

Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North-east End
LO3 East Boundary
LO4 South-east
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

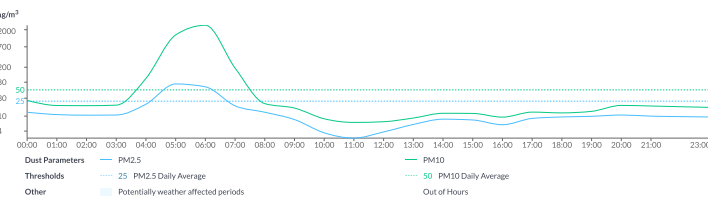
Explained events
Unexplained events

Hourly averages

Settings

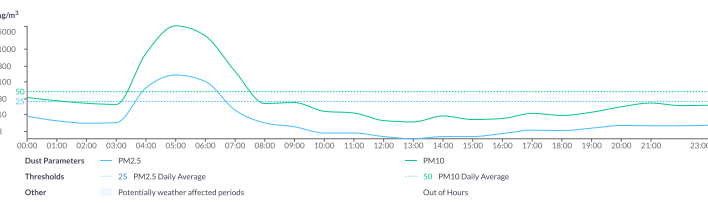
Sep 7 2022

LO1 North Boundary



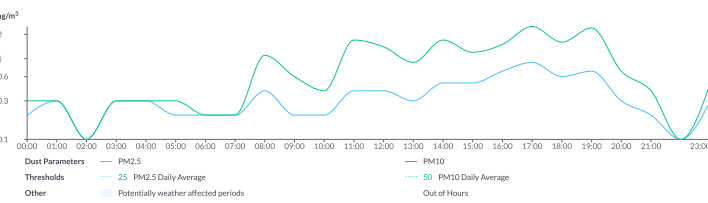
LO2 North east End

Sep 7 2022



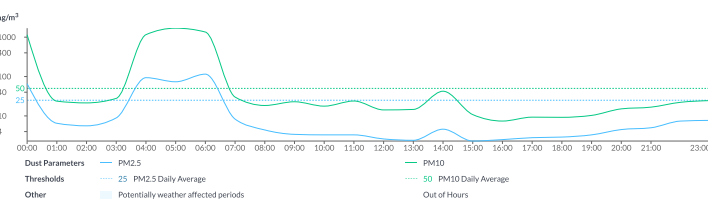
LO3 East Boundary

Sep 7 2022



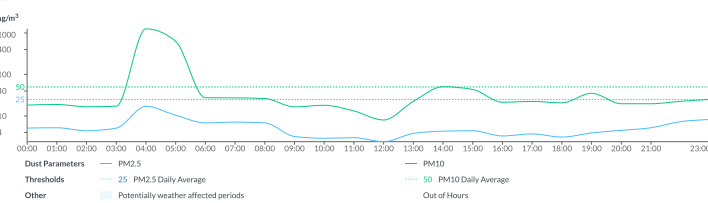
LO4 South end

Sep 7 2022



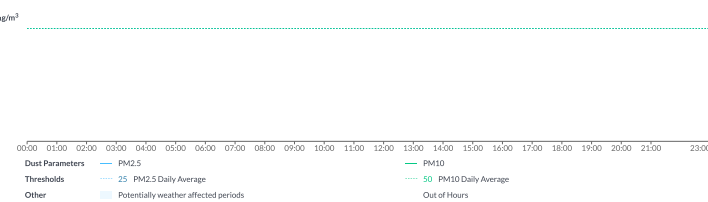
LOS Site Gate

Sep 7 2022



LO6 West Neighbours

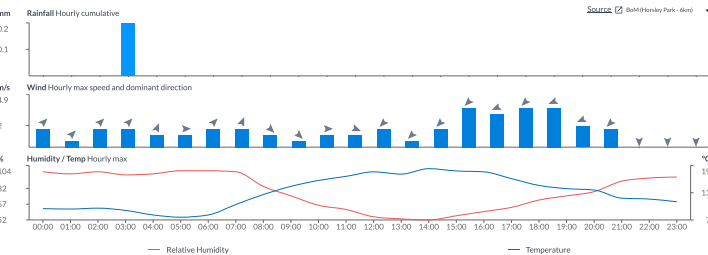
Sep 7 2022



Weather

Sep 7 2022 - Sep 7 2022

Source: [Icon] BSH (Hemel Hempstead - Hem)



Download CSV

Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North-east End
LO3 East Boundary
LO4 South-east
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

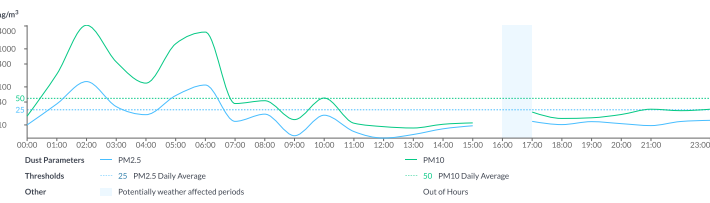
Explained events
Unexplained events

Hourly averages

Settings

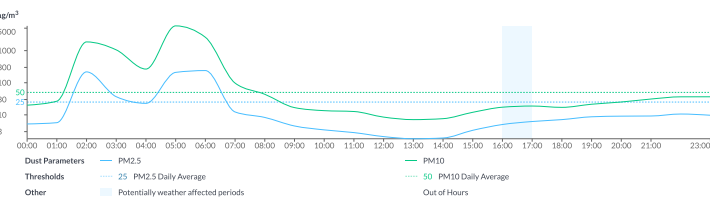
Sep 8 2022

LO1 North Boundary



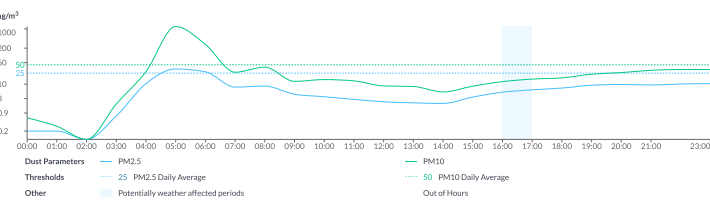
LO2 North-east End

Sep 8 2022



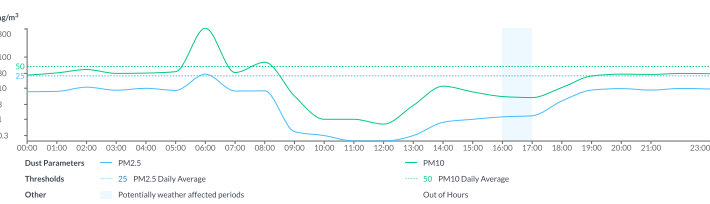
LO3 East Boundary

Sep 8 2022



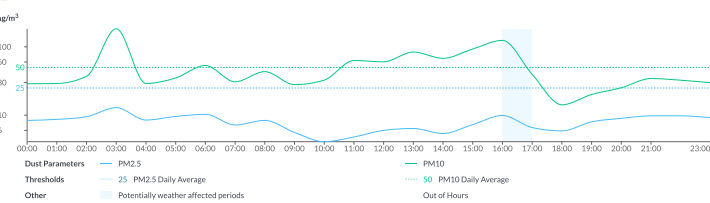
LO4 South end

Sep 8 2022



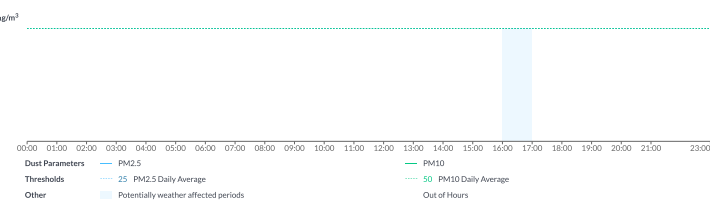
LOS Site Gate

Sep 8 2022



LO6 West Neighbours

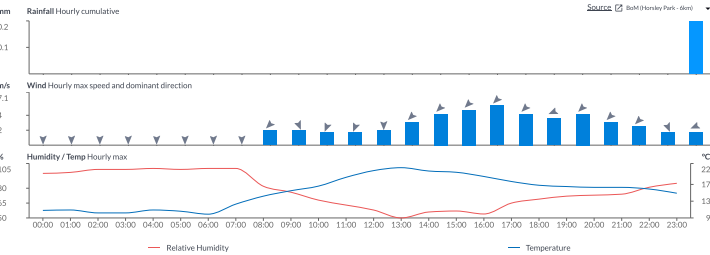
Sep 8 2022



Weather

Sep 8 2022 - Sep 8 2022

Source: BOM (Bomby Park - dm)



Download CSV

Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

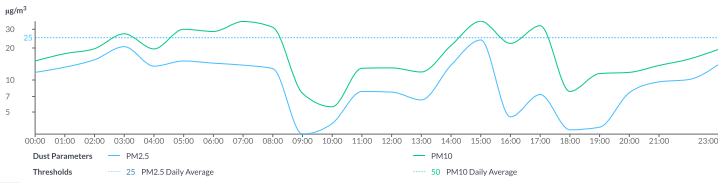
Explained events
Unexplained events

Hourly averages

Settings

LO1 North Boundary

Sep 12 2022



Aspect Industrial Estate Aspect Dust Sep 12 2022 - Sep 12 2022

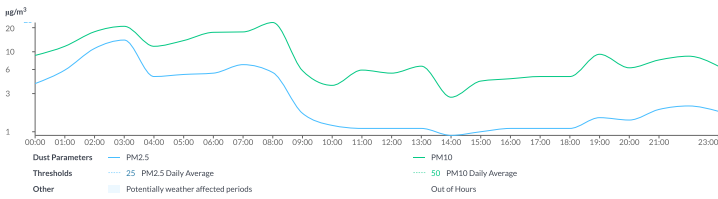
LO2 North east End

Sep 12 2022



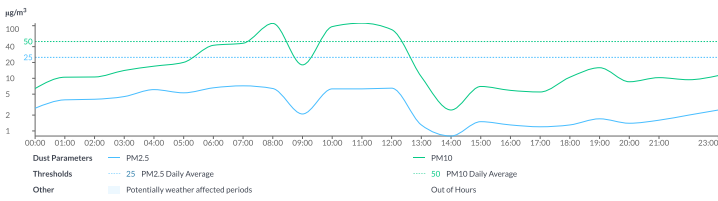
LO3 East Boundary

Sep 12 2022



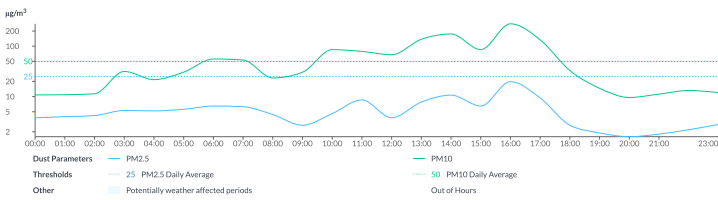
LO4 South end

Sep 12 2022



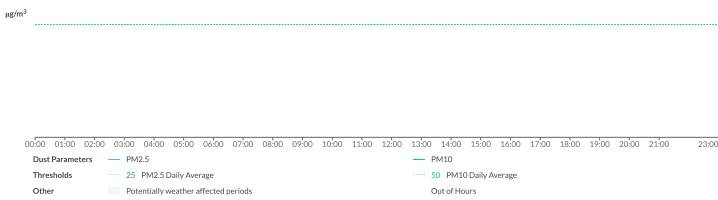
LOS Site Gate

Sep 12 2022



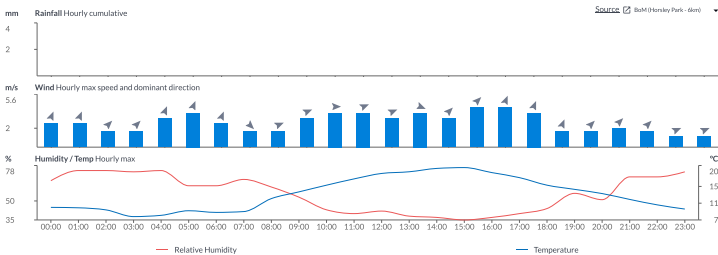
LO6 West Neighbours

Sep 12 2022



Weather

Sep 12 2022 - Sep 12 2022



Download CSV

Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

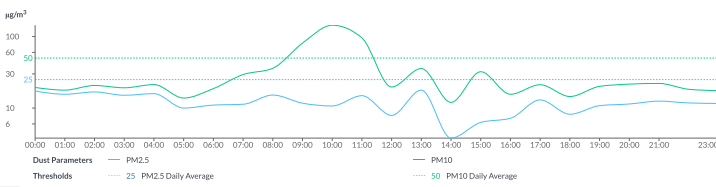
Explained events
Unexplained events

Hourly averages

Settings

Sep 13 2022

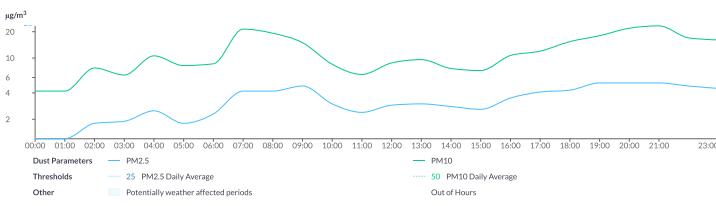
LO1 North Boundary



Aspect Industrial Estate Aspect Dust Sep 13 2022 - Sep 13 2022

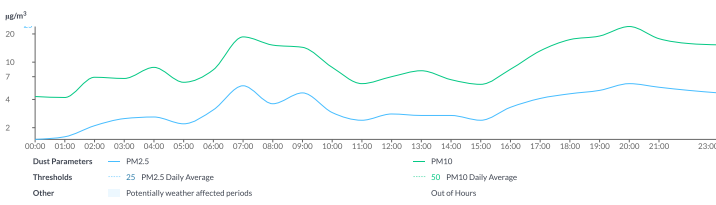
LO2 North east End

Sep 13 2022



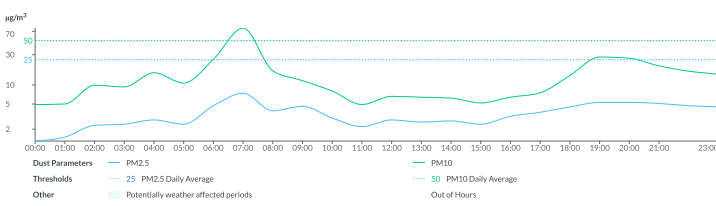
LO3 East Boundary

Sep 13 2022



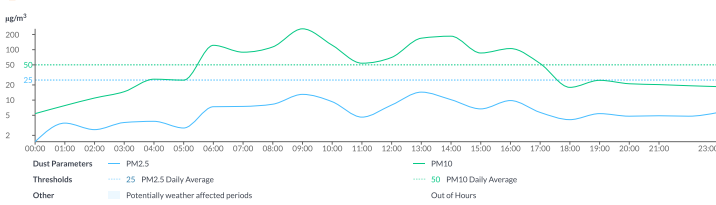
LO4 South end

Sep 13 2022



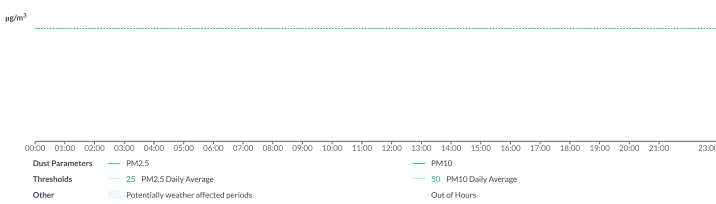
LOS Site Gate

Sep 13 2022



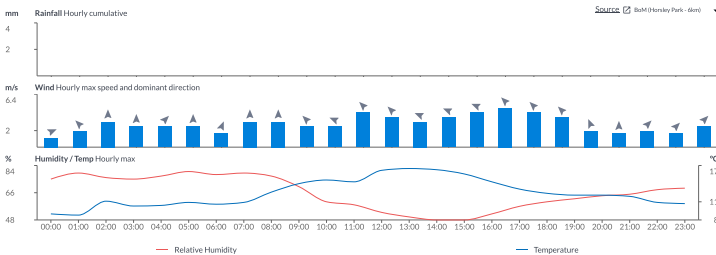
LO6 West Neighbours

Sep 13 2022



Weather

Sep 13 2022 - Sep 13 2022



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Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North-east End
LO3 East Boundary
LO4 South-east
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

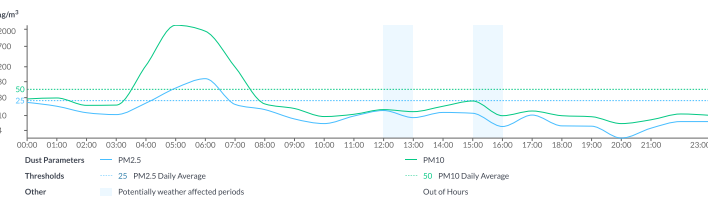
Select events shown

Explained events
Unexplained events

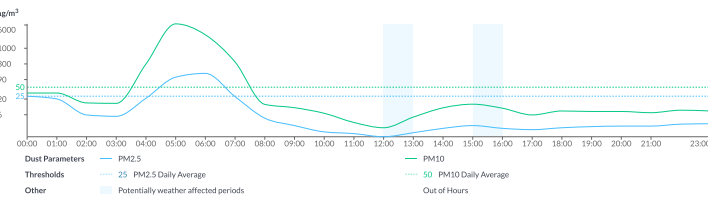
Hourly averages

Settings

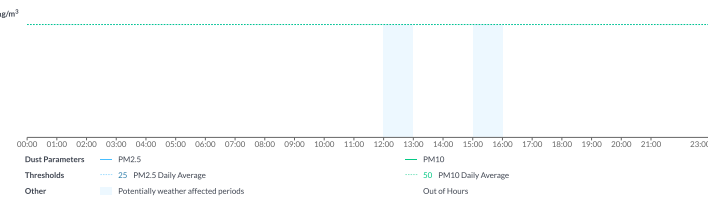
LO1 North Boundary



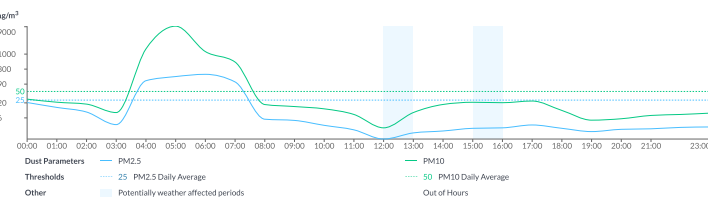
LO2 North east End



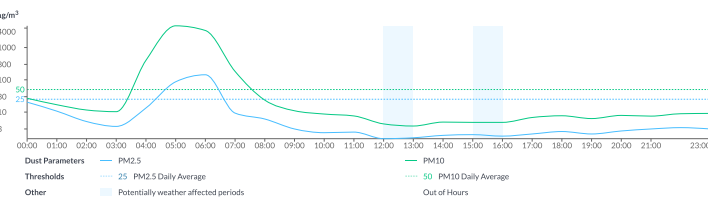
LO3 East Boundary



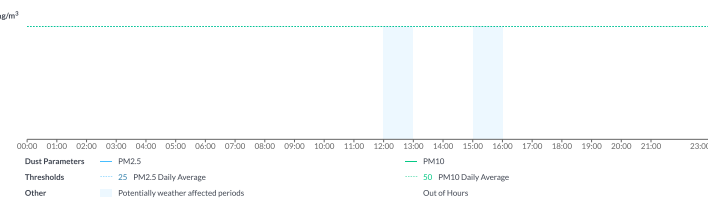
LO4 South end



LOS Site Gate

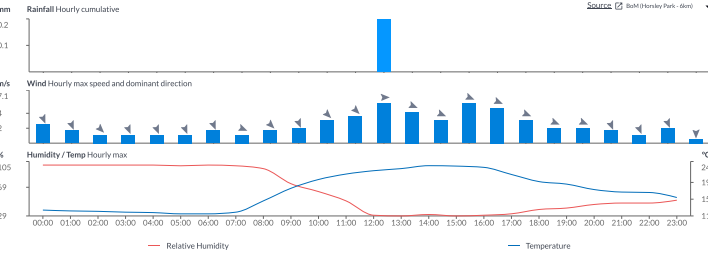


LO6 West Neighbours



Weather

Sep 16 2022 - Sep 16 2022



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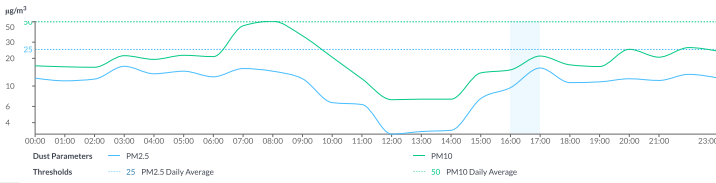
Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Hourly averages

LO1 North Boundary

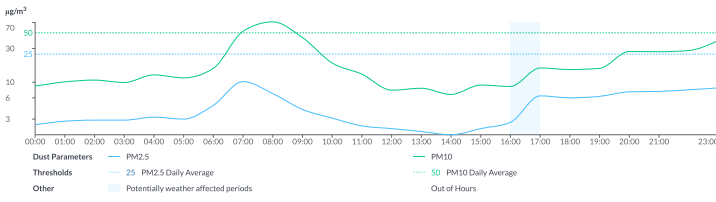


Sep 20 2022

Settings

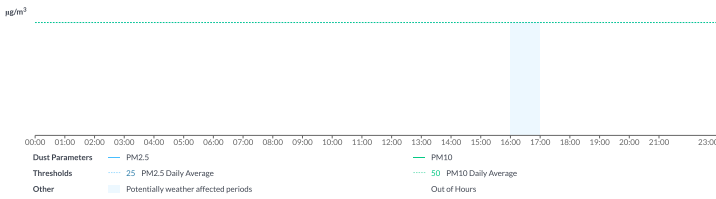
Aspect Industrial Estate Aspect Dust Sep 20 2022 - Sep 20 2022

LO2 North east End



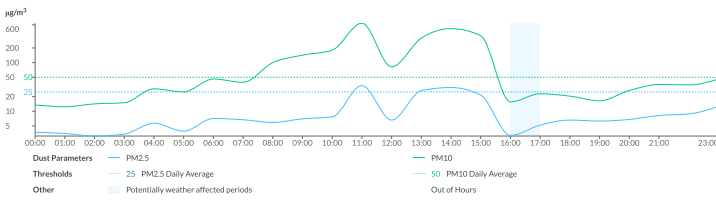
Sep 20 2022

LO3 East Boundary



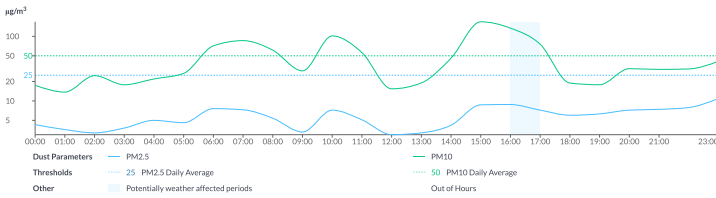
Sep 20 2022

LO4 South end



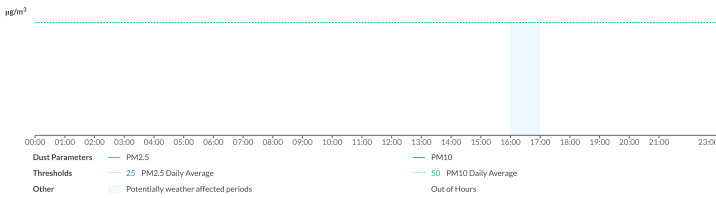
Sep 20 2022

LOS Site Gate



Sep 20 2022

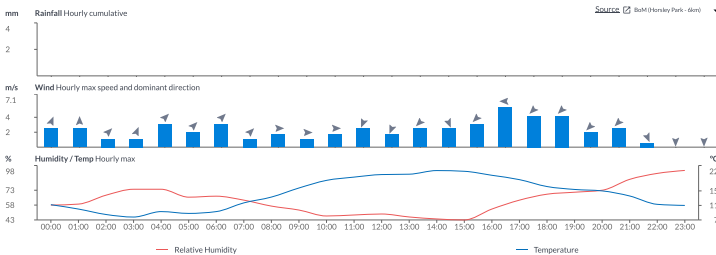
LO6 West Neighbours



Sep 20 2022

Weather

Sep 20 2022 - Sep 20 2022



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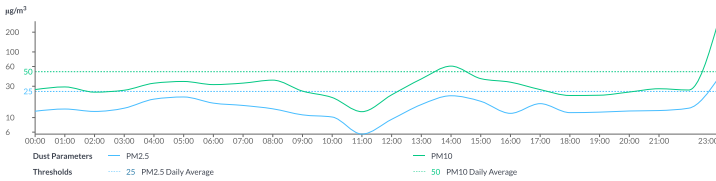
Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

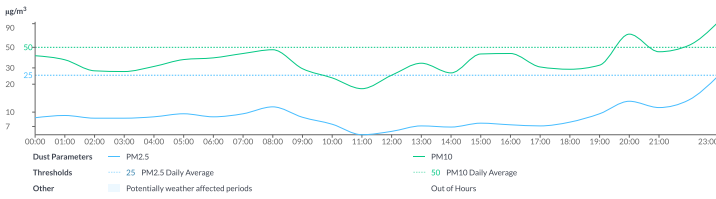
Hourly averages

LO1 North Boundary

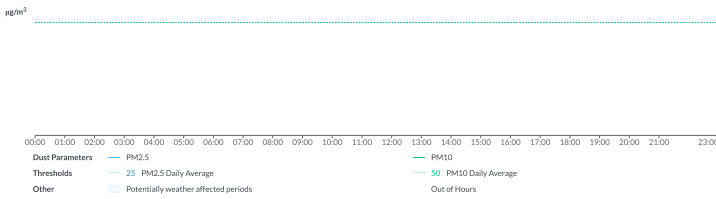


Aspect Industrial Estate Aspect Dust Sep 21 2022 - Sep 21 2022

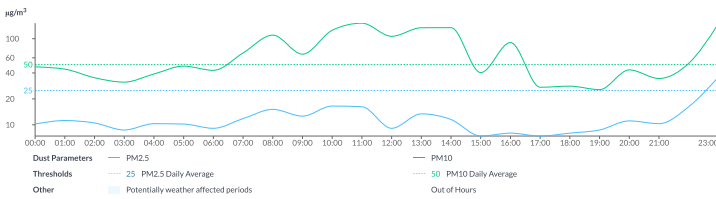
LO2 North east End



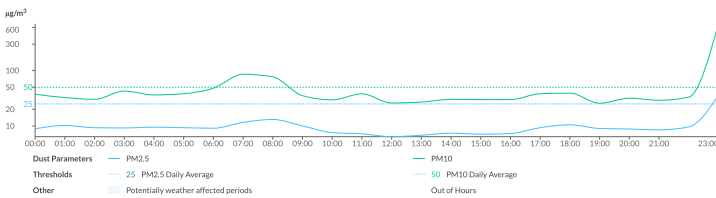
LO3 East Boundary



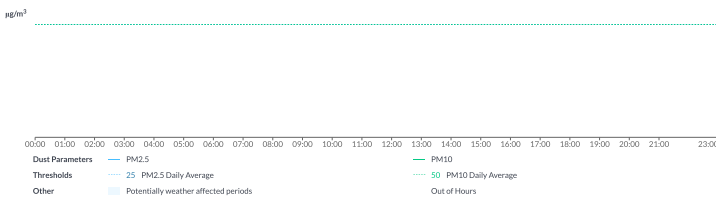
LO4 South end



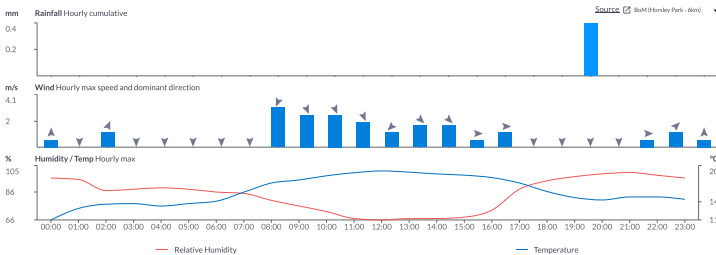
LOS Site Gate



LO6 West Neighbours



Weather



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

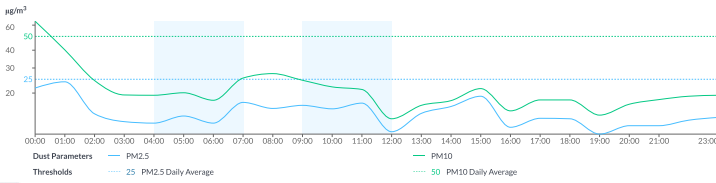
Explained events
Unexplained events

Hourly averages

Settings

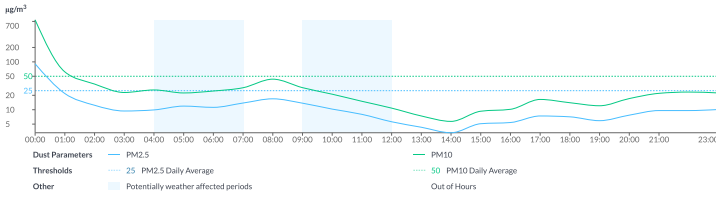
LO1 North Boundary

Sep 22 2022



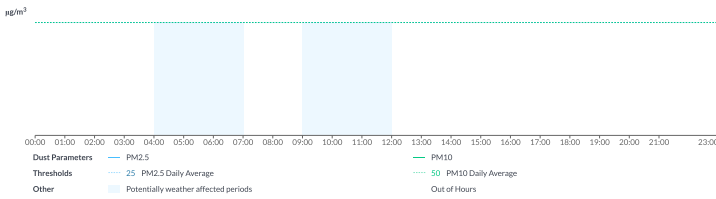
LO2 North east End

Sep 22 2022



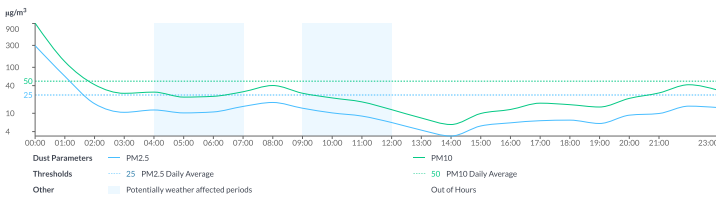
LO3 East Boundary

Sep 22 2022



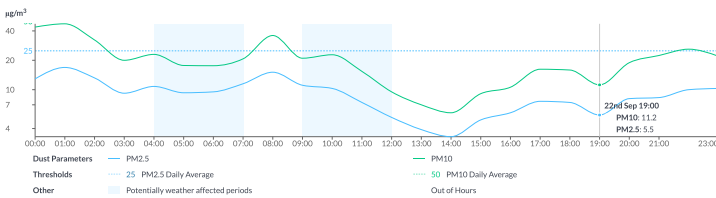
LO4 South end

Sep 22 2022



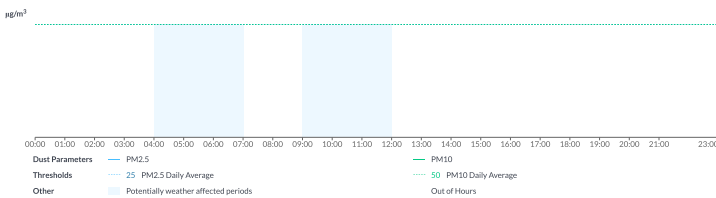
LOS Site Gate

Sep 22 2022



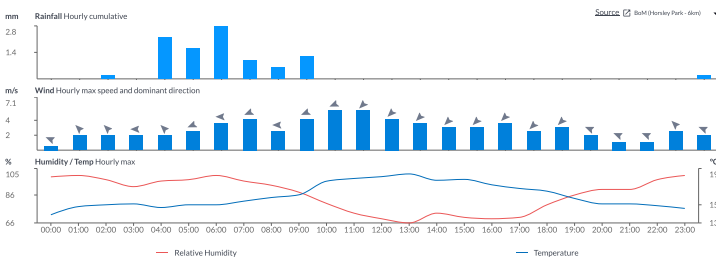
LO6 West Neighbours

Sep 22 2022



Weather

Sep 22 2022 - Sep 22 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

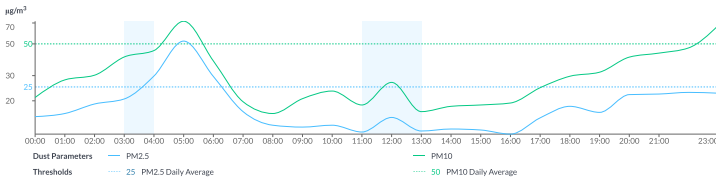
Explained events
Unexplained events

Hourly averages

Settings

LO1 North Boundary

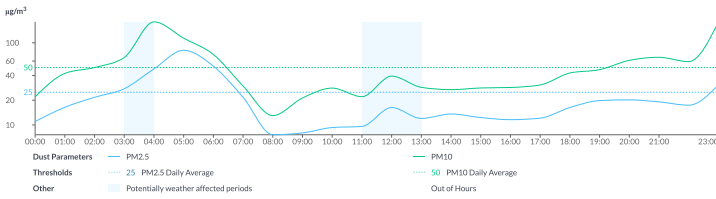
Sep 23 2022



Aspect Industrial Estate Aspect Dust Sep 23 2022 - Sep 23 2022

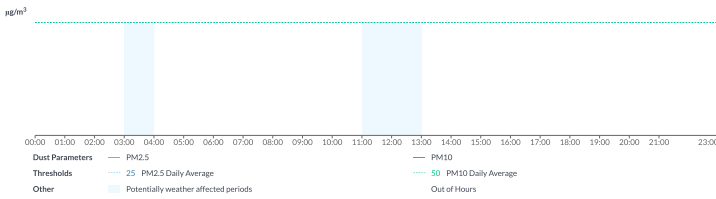
LO2 North east End

Sep 23 2022



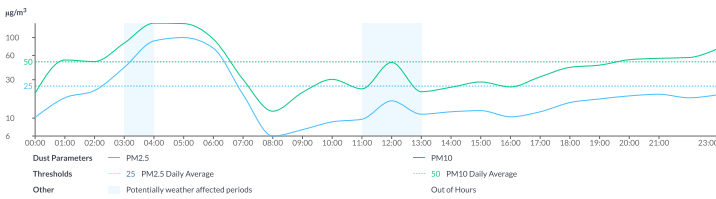
LO3 East Boundary

Sep 23 2022



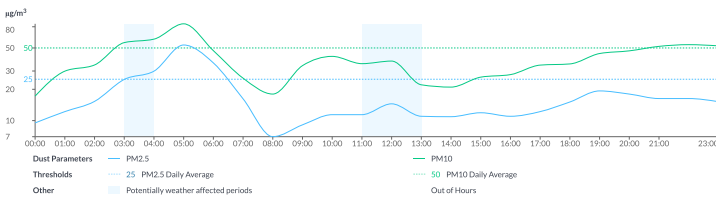
LO4 South end

Sep 23 2022



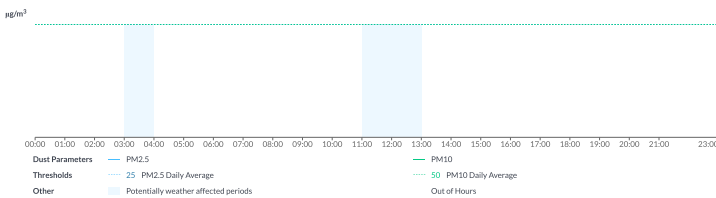
LOS Site Gate

Sep 23 2022



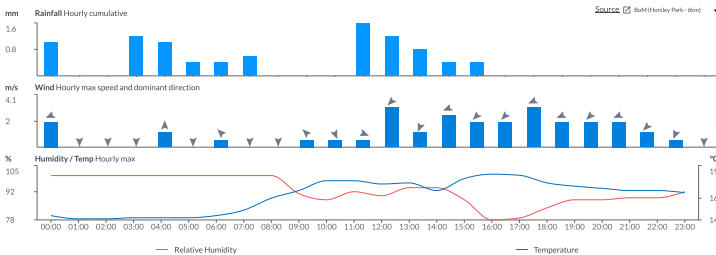
LO6 West Neighbours

Sep 23 2022



Weather

Sep 23 2022 - Sep 23 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

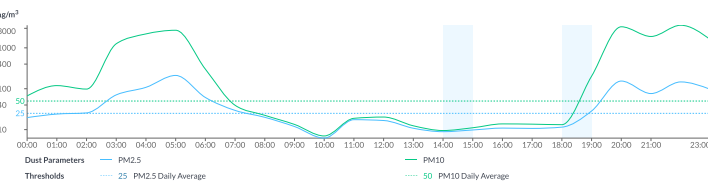
Explained events
Unexplained events

Hourly averages

Settings

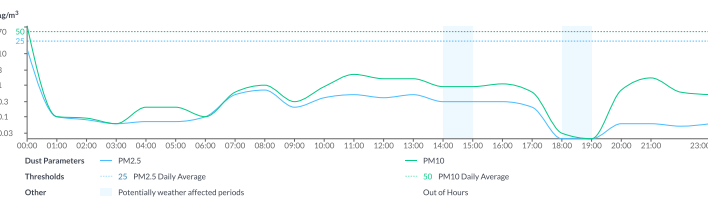
LO1 North Boundary

Sep 24 2022



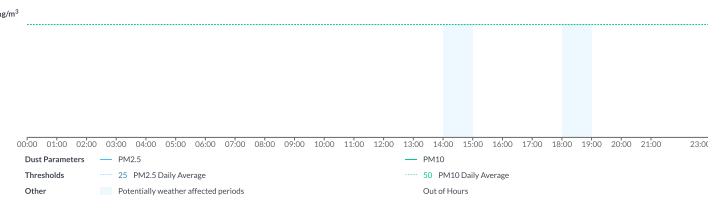
LO2 North east End

Sep 24 2022



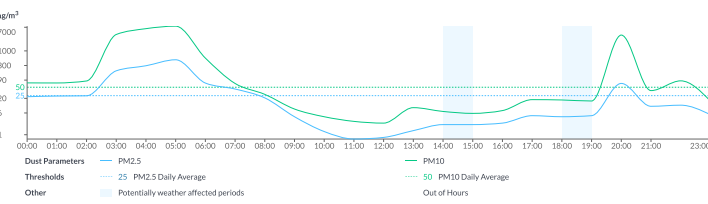
LO3 East Boundary

Sep 24 2022



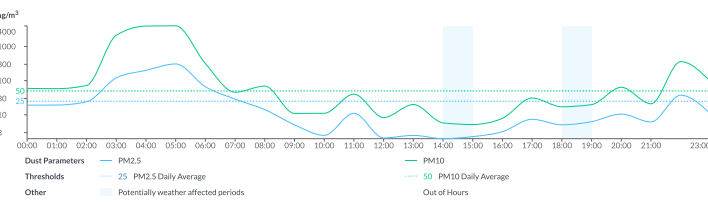
LO4 South end

Sep 24 2022



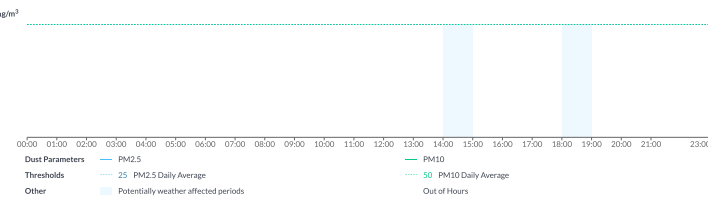
LOS Site Gate

Sep 24 2022



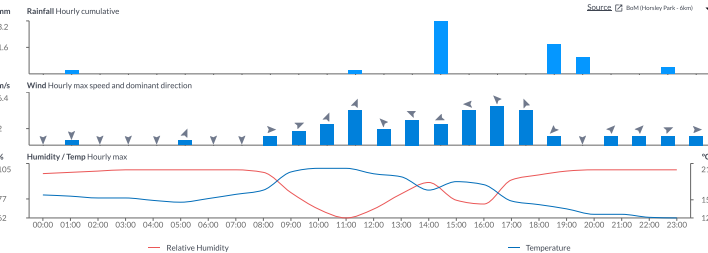
LO6 West Neighbours

Sep 24 2022



Weather

Sep 24 2022 - Sep 24 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North-east End x
LO3 East Boundary x
LO4 South-end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

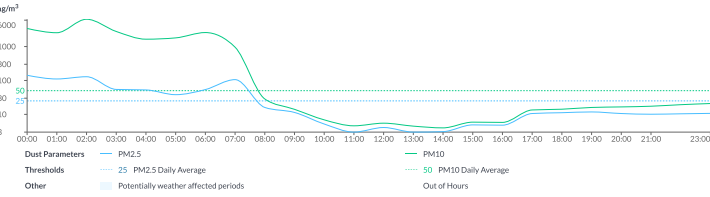
Explained events
Unexplained events

Hourly averages

Settings

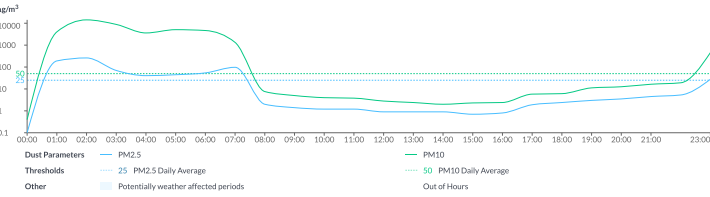
Sep 25 2022

LO1 North Boundary



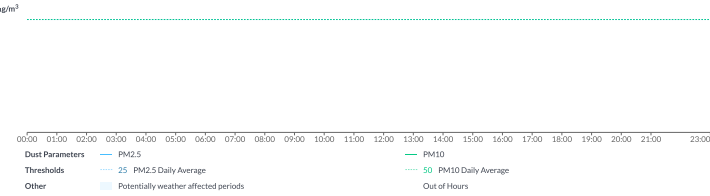
Sep 25 2022

LO2 North-east End



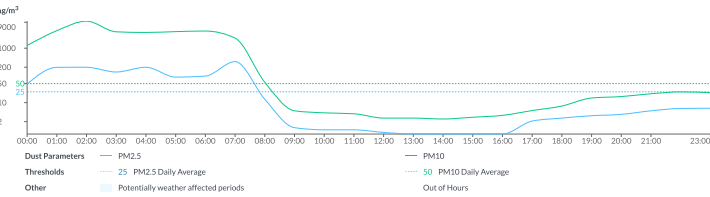
Sep 25 2022

LO3 East Boundary



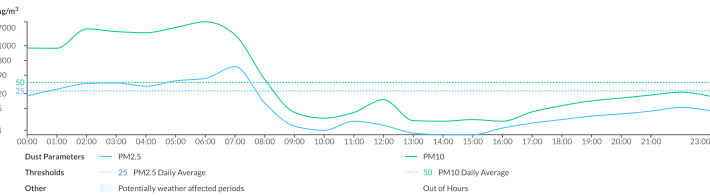
Sep 25 2022

LO4 South-end



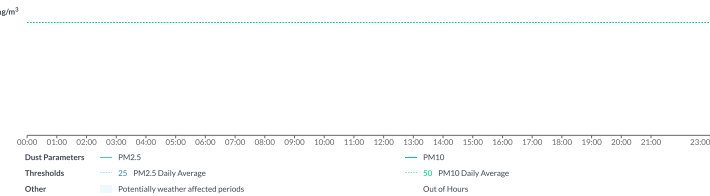
Sep 25 2022

LOS Site Gate



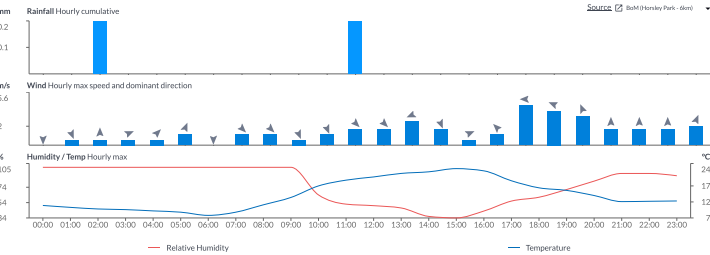
Sep 25 2022

LO6 West Neighbours



Weather

Sep 25 2022 - Sep 25 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Hourly averages

LO1 North Boundary

Select dust devices to graph

LO1 North Boundary
LO2 North east End
LO3 East Boundary
LO4 South end
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

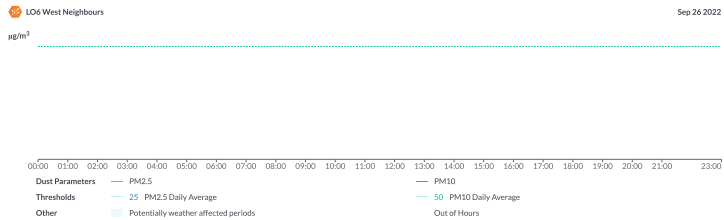
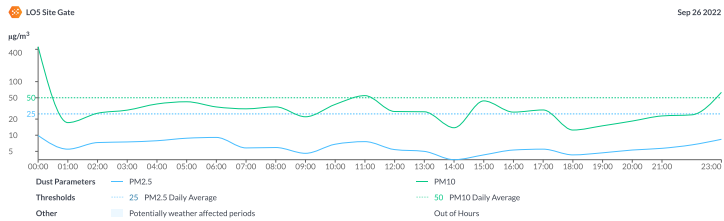
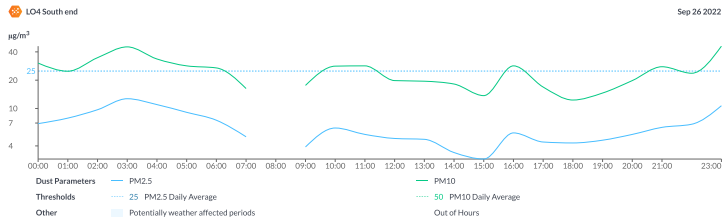
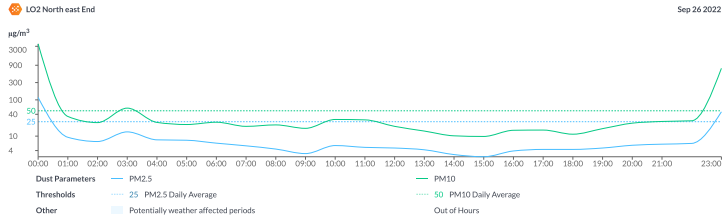
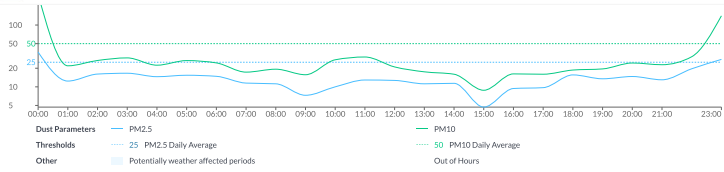
Explained events
Unexplained events

Settings
Sep 26 2022

Aspect Industrial Estate

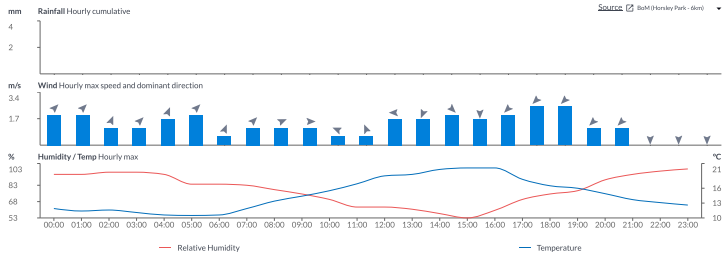
Aspect Dust

Sep 26 2022 - Sep 26 2022



Weather

Sep 26 2022 - Sep 26 2022



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Graph Data

Graph By
By Parameter
By Device

Select dust parameters
PM2.5
PM10

Select dust devices to graph

LO1 North Boundary
LO2 North east End
LO3 East Boundary
LO4 South end
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

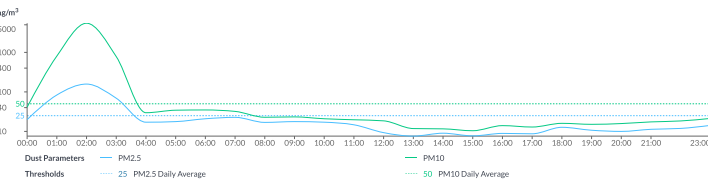
Explained events
Unexplained events

Hourly averages

Settings

Sep 27 2022

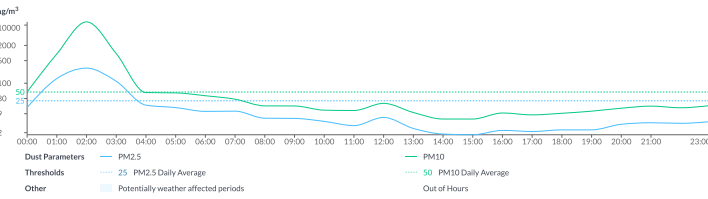
LO1 North Boundary



Aspect Industrial Estate Aspect Dust Sep 27 2022 - Sep 27 2022

LO2 North east End

Sep 27 2022



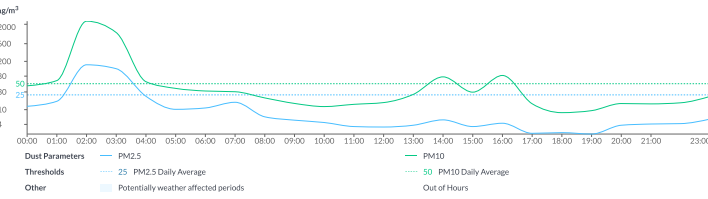
LO3 East Boundary

Sep 27 2022



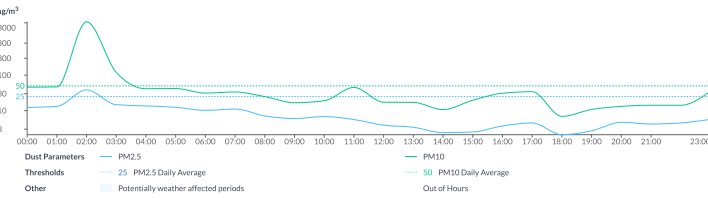
LO4 South end

Sep 27 2022



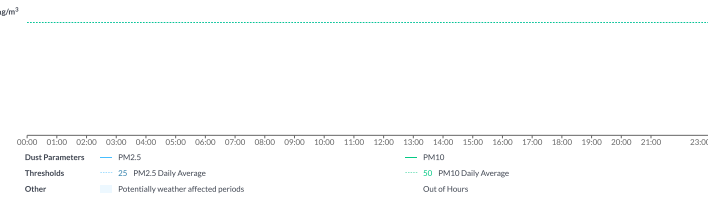
LOS Site Gate

Sep 27 2022



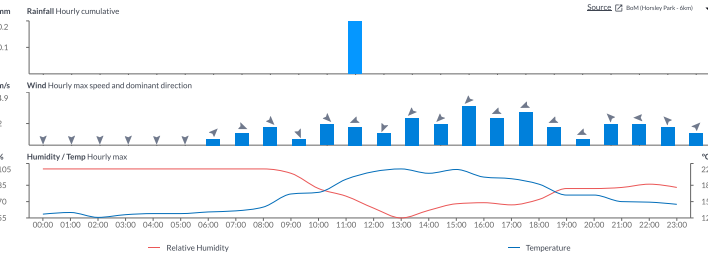
LO6 West Neighbours

Sep 27 2022



Weather

Sep 27 2022 - Sep 27 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

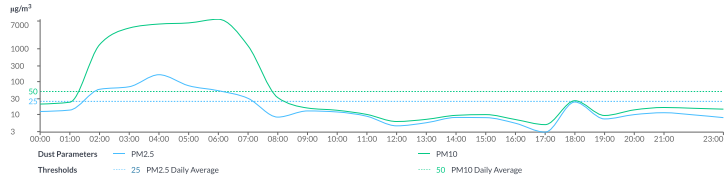
Explained events
Unexplained events

Hourly averages

Settings

Oct 3 2022

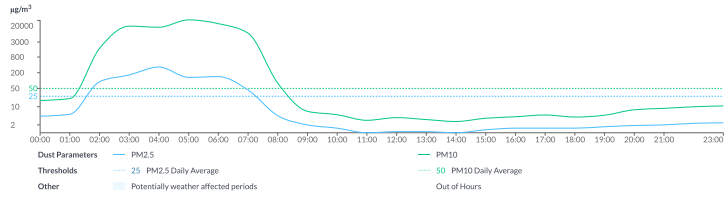
LO1 North Boundary



Aspect Industrial Estate Aspect Dust Oct 3 2022 - Oct 3 2022

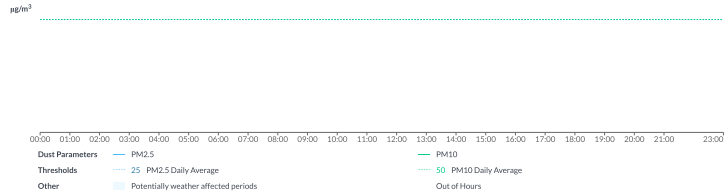
LO2 North east End

Oct 3 2022



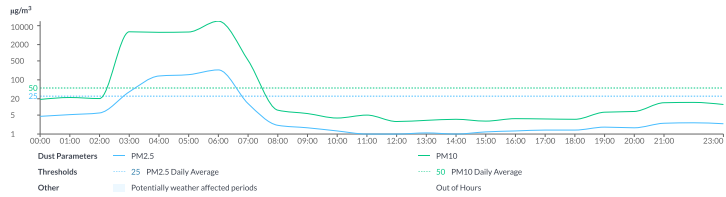
LO3 East Boundary

Oct 3 2022



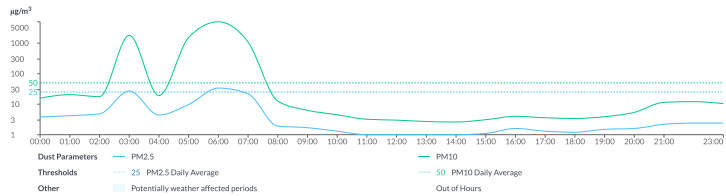
LO4 South end

Oct 3 2022



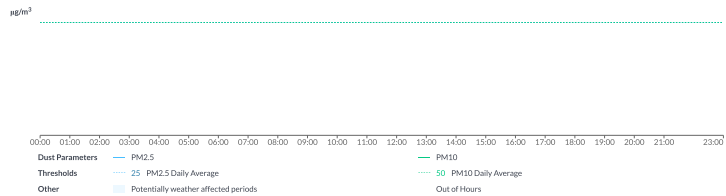
LOS Site Gate

Oct 3 2022



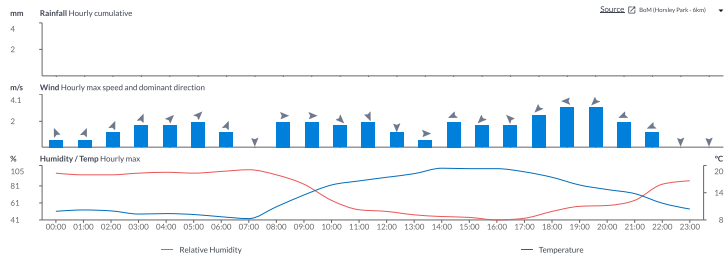
LO6 West Neighbours

Oct 3 2022



Weather

Oct 3 2022 - Oct 3 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

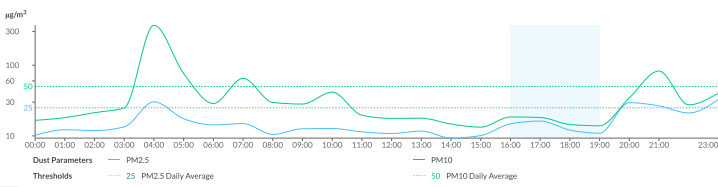
Select events shown

Explained events
Unexplained events

Hourly averages

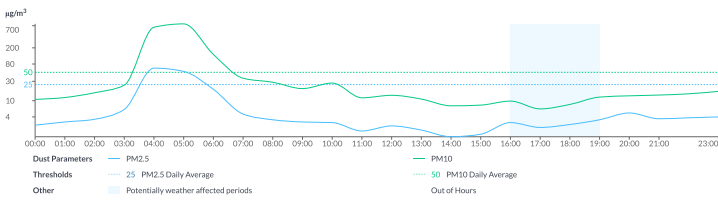
Settings

LO1 North Boundary

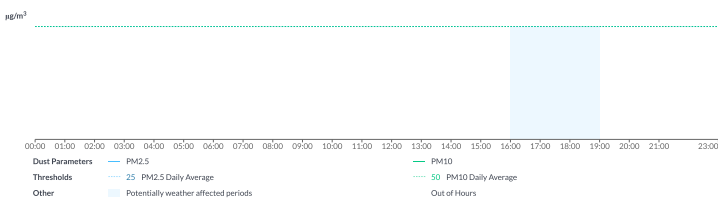


Aspect Industrial Estate Aspect Dust Oct 4 2022 - Oct 4 2022

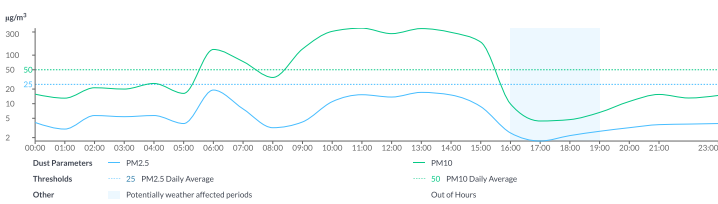
LO2 North east End



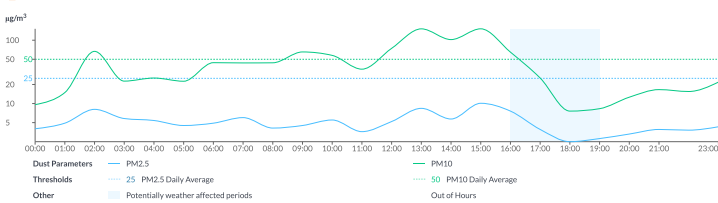
LO3 East Boundary



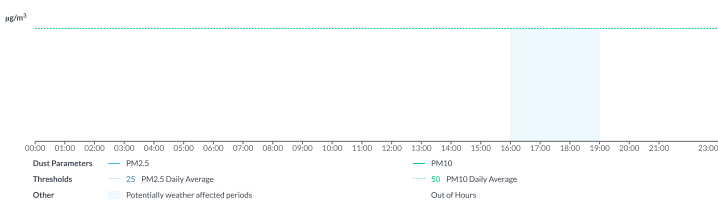
LO4 South end



LOS Site Gate

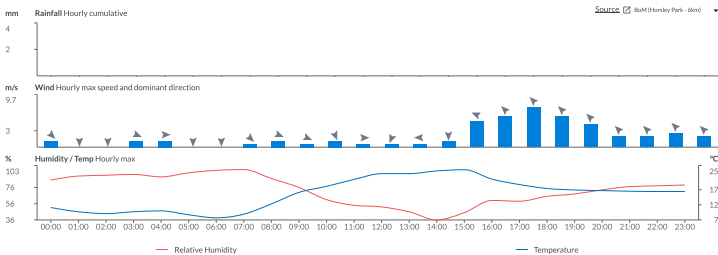


LO6 West Neighbours



Weather

Oct 4 2022 - Oct 4 2022



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Oct 7 2022 - Oct 7 2022

Graph By

By Parameter By Device

Select dust parameters

PM2.5 PM10

Select dust devices to graph

LO1 North Boundary
LO2 North east End
LO3 East Boundary
LO4 South end
LOS Site Gate
LO6 West Neighbours

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

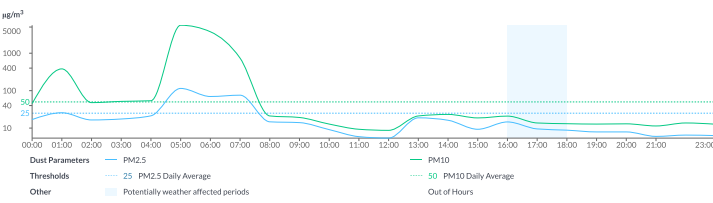
Explained events
Unexplained events

Hourly averages

Settings

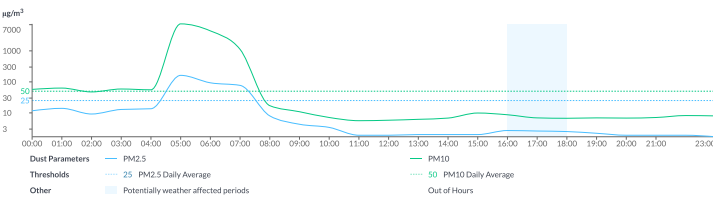
Oct 7 2022

LO1 North Boundary



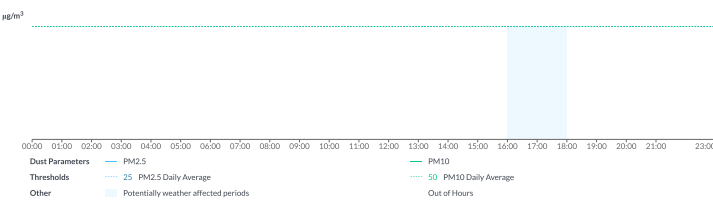
LO2 North east End

Oct 7 2022



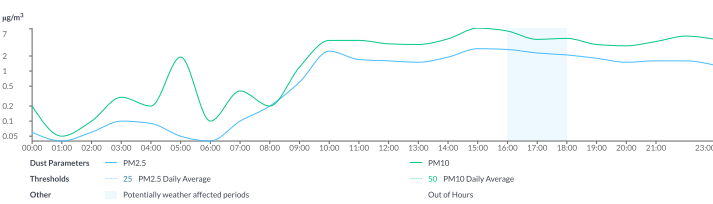
LO3 East Boundary

Oct 7 2022



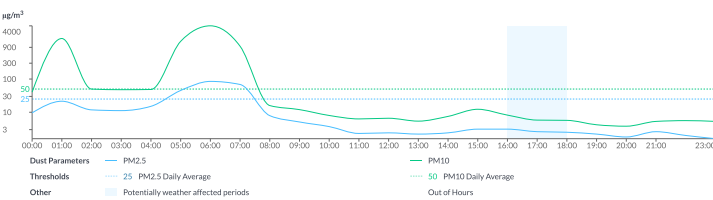
LO4 South end

Oct 7 2022



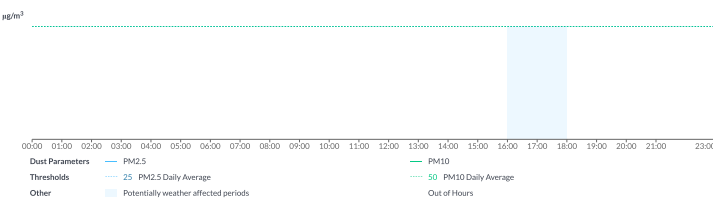
LOS Site Gate

Oct 7 2022



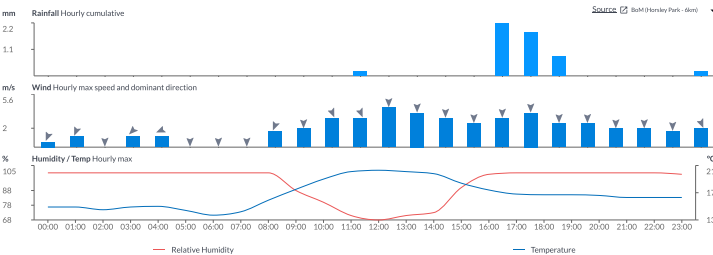
LO6 West Neighbours

Oct 7 2022



Weather

Oct 7 2022 - Oct 7 2022



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Aspect Industrial Estate

Aspect

Dist

Oct 8 2022 - Oct 8 2022

Graph By

By Parameter By Device

Select dust parameters

PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

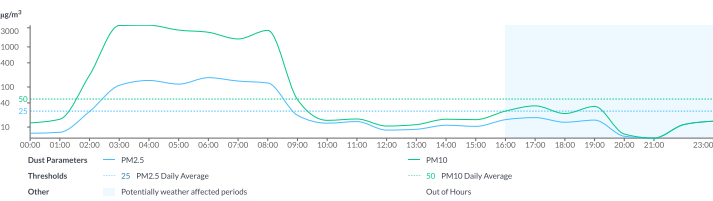
Select events shown

Explained events
Unexplained events

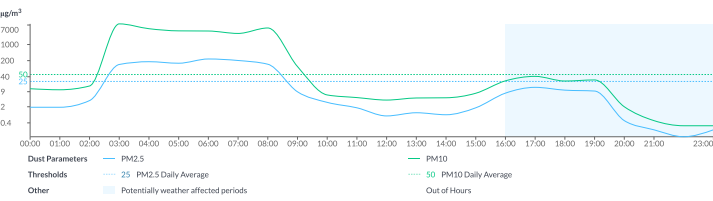
Hourly averages

Settings
Oct 8 2022

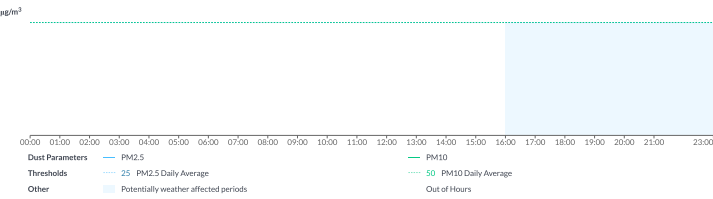
LO1 North Boundary



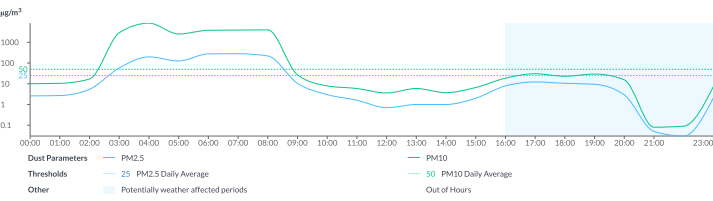
LO2 North east End



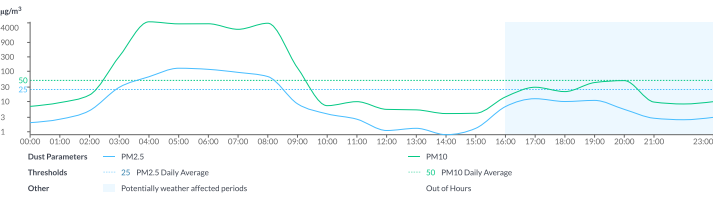
LO3 East Boundary



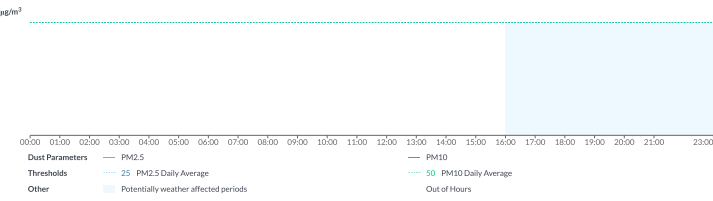
LO4 South end



LOS Site Gate

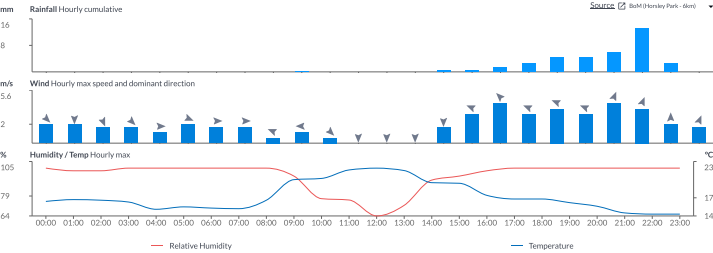


LO6 West Neighbours



Weather

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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

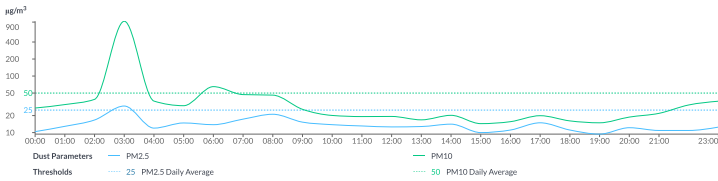
Explained events
Unexplained events

Hourly averages

Settings

Oct 13 2022

LO1 North Boundary



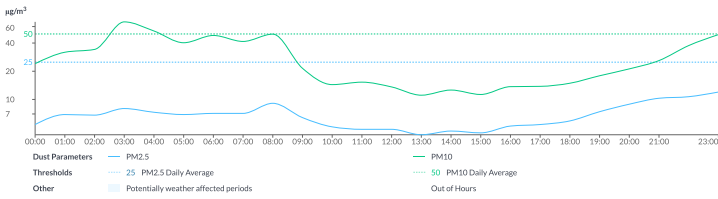
Aspect Industrial Estate

Aspect 55 Dust

Oct 13 2022 - Oct 13 2022

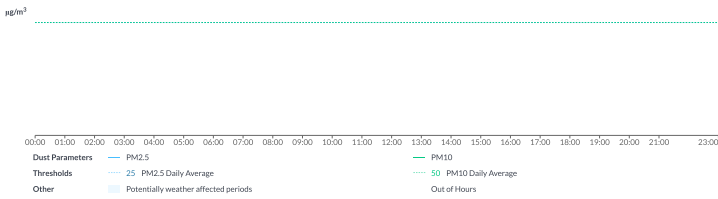
LO2 North east End

Oct 13 2022



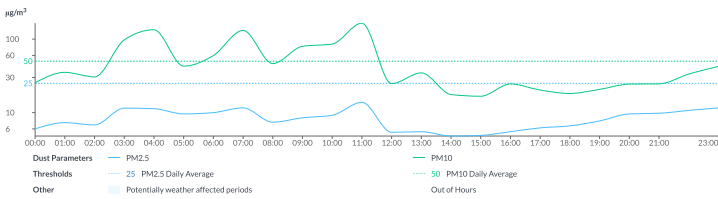
LO3 East Boundary

Oct 13 2022



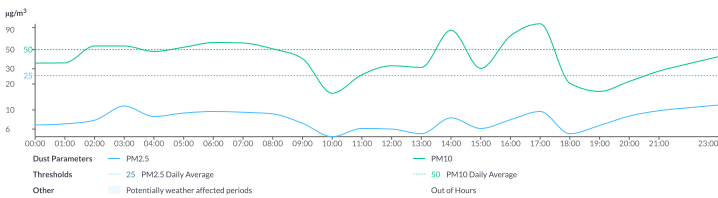
LO4 South end

Oct 13 2022



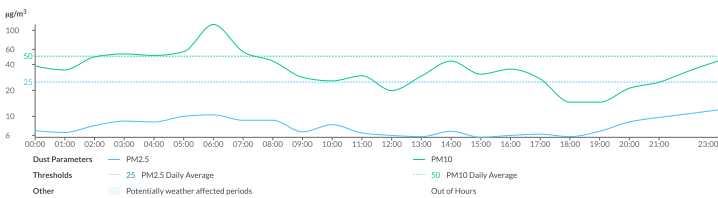
LOS Site Gate

Oct 13 2022



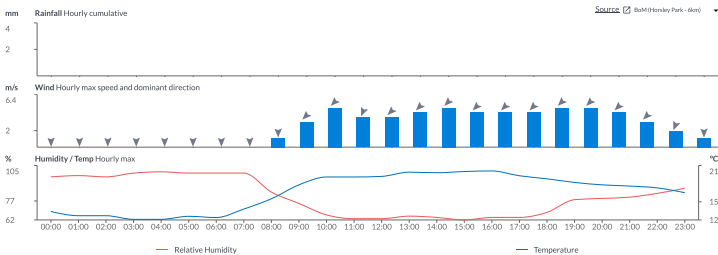
LO6 West Neighbours

Oct 13 2022



Weather

Oct 13 2022 - Oct 13 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

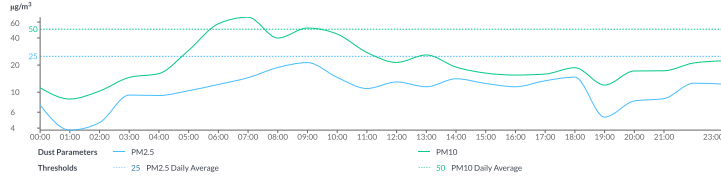
Explained events
Unexplained events

Hourly averages

Settings

LO1 North Boundary

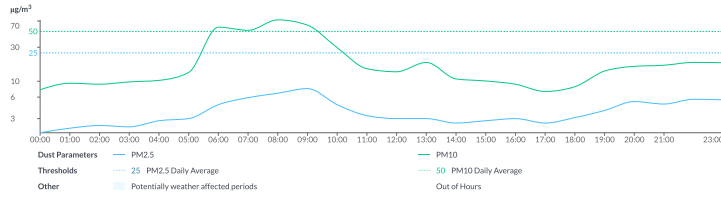
Oct 15 2022



Aspect Industrial Estate Aspect Dust Oct 15 2022 - Oct 15 2022

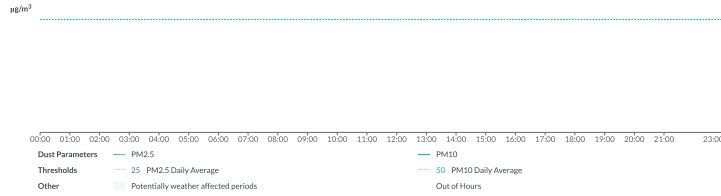
LO2 North east End

Oct 15 2022



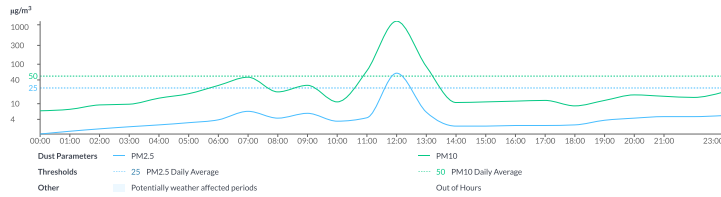
LO3 East Boundary

Oct 15 2022



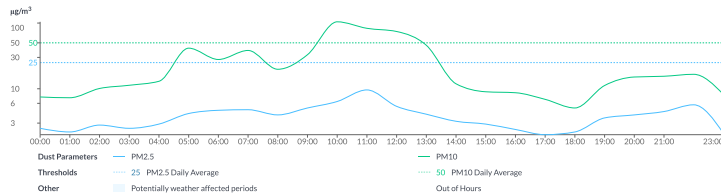
LO4 South end

Oct 15 2022



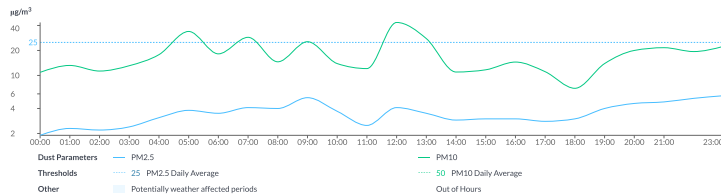
LOS Site Gate

Oct 15 2022



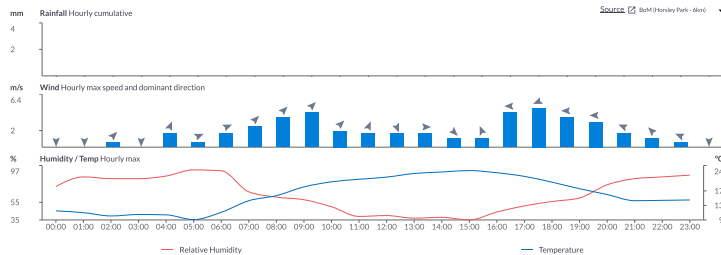
LO6 West Neighbours

Oct 15 2022



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Oct 15 2022 - Oct 15 2022



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Graph Data

Graph By
By Parameter By Device

Select dust parameters
PM2.5 PM10

Select dust devices to graph

LO1 North Boundary x
LO2 North east End x
LO3 East Boundary x
LO4 South end x
LOS Site Gate x
LO6 West Neighbours x

Select thresholds

PM2.5 Daily Average
PM10 Daily Average
PM2.5 Hourly Average
PM10 Hourly Average

Select events shown

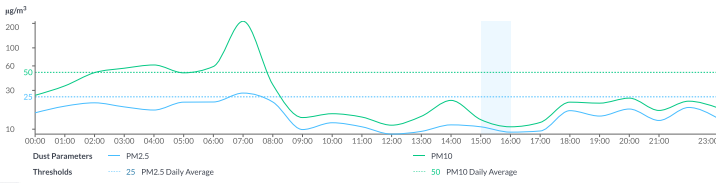
Explained events
Unexplained events

Hourly averages

Settings

Oct 22 2022

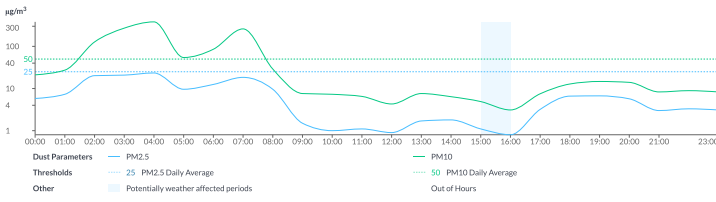
LO1 North Boundary



Aspect Industrial Estate Aspect Dust Oct 22 2022 - Oct 22 2022

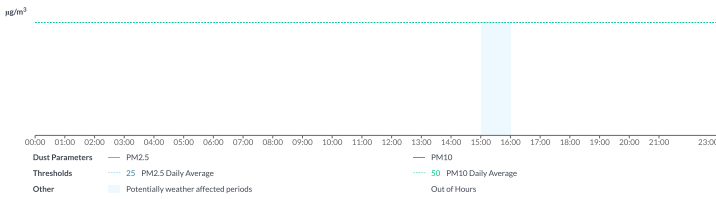
LO2 North east End

Oct 22 2022



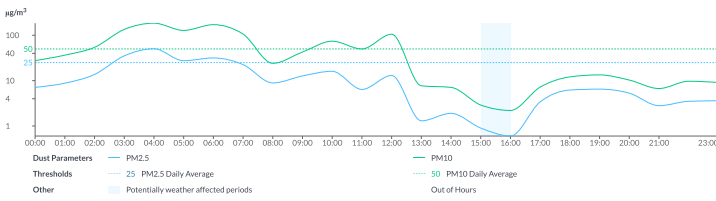
LO3 East Boundary

Oct 22 2022



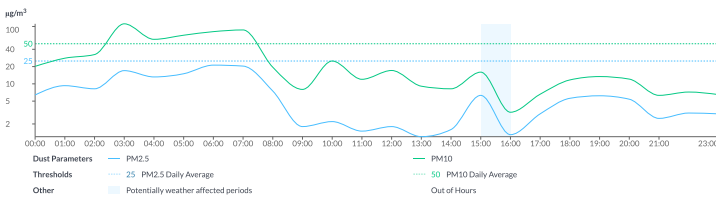
LO4 South end

Oct 22 2022



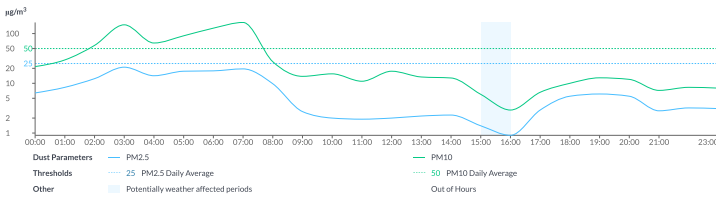
LOS Site Gate

Oct 22 2022



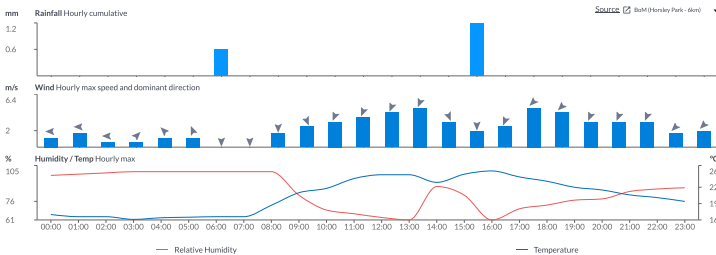
LO6 West Neighbours

Oct 22 2022



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Graph Data

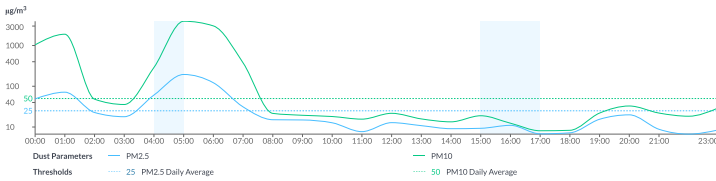
Graph By
By Parameter By Device

Select dust parameters

PM2.5 PM10

Hourly averages

LO1 North Boundary

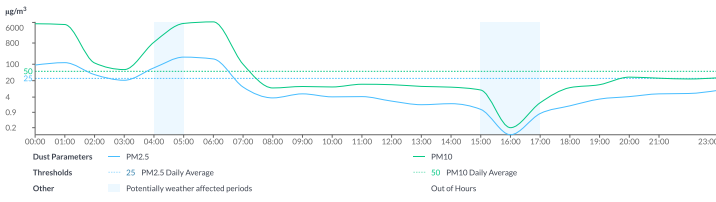


Settings

Oct 25 2022

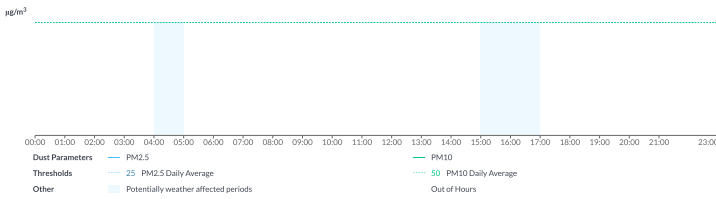
Aspect Industrial Estate Aspect Dust Oct 25 2022 - Oct 25 2022

LO2 North east End



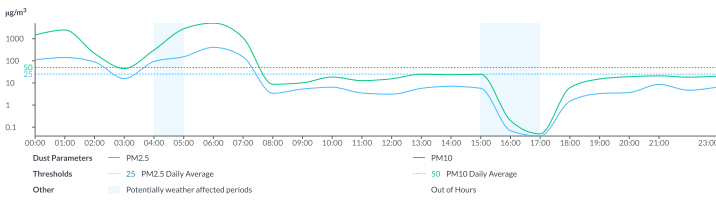
Oct 25 2022

LO3 East Boundary



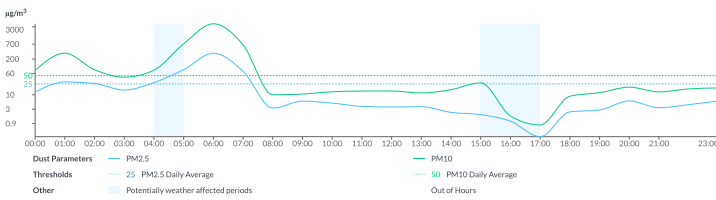
Oct 25 2022

LO4 South end



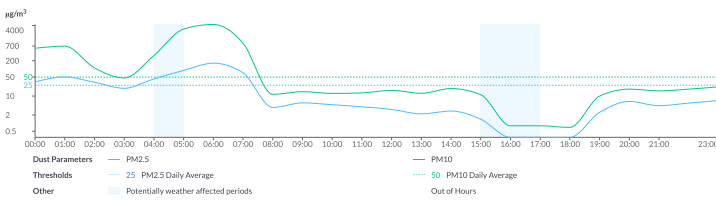
Oct 25 2022

LOS Site Gate



Oct 25 2022

LO6 West Neighbours



Oct 25 2022

Weather

Oct 25 2022 - Oct 25 2022

