



7 June 2023

Ref: 2103.S1\_QR04.1

Department of Planning and Environment (DPE)

**Environmental Representative (ER) Quarterly Report**  
**Project: SSD-10448 – Aspect Industrial Estate Stage 1**  
**Period: March 2023 to May 2023**

Condition C31(k) of the Conditions of Approval for the Project requires the ER to prepare and submit to the Secretary and other relevant regulatory agencies, for information, an Environmental Representative Quarterly Report.

The attached report details the activities undertaken by the ER for the nominated period, in accordance with the Environmental Representative Protocol, May 2020.

Yours sincerely,

Maurice Pignatelli  
*Environmental Representative for Aspect Industrial Estate Stage 1*  
*OptimE Pty Ltd*



## Environmental Representative (ER) Quarterly Report

Project: SSD-10448 – Aspect Industrial Estate

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### Key construction activities Estate Works (WEM)

- Bulk earthworks with excavation for cut occurring at the southern end of the site (Lot 9) with dozers ripping rock and excavators loading dump trucks (moxy).
- Place and compact fill within pad 9 to lift it to new design FSL
- Hammering rock in lot 9
- Excavation of lot 9 swales
- Extension of Dam 03 for final placement of remaining UEF material
- Completion of placement of UEF material within Lot 7 Dam Extension
- Detailed excavation and formation of the riparian corridor on the northern boundary of Lot 2 and 3.
- Relocation of topsoil stockpile from Lot 3 to Riparian corridor adjacent to Lot 1
- Install 1500 stormwater line on Road 3
- Importation of sandstone

### Lot 1 building works (Richard Crookes)

- Stormwater and fire services installation
- Pad footing construction
- Steel erection
- Retaining wall construction along Mamre Rd

### Lot 3 building works

- Nil
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### Upcoming construction activities Estate Works (WEM)

- Construction of retaining walls
- Installing soil nails and shotcrete stabilisation
- Fill and trimming of Lot 3
- Relocation of topsoil from Lot 3
- Importation and crushing of sandstone
- Installation of culverts on western side of site
- Install 1500 line on Road 3
- Electrical trenching across Mamre Road and frontage
- Install sewer along Road 4
- Riparian construction
- Road 1 Phase 1 pavement construction

### Lot 1 Works (Richard Crookes)

- Stormwater and fire services installation
  - Steel erection
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	<ul style="list-style-type: none"> <li>Retaining wall construction along Mamre Rd</li> </ul>
<b>ER Activities (site inspections and audits)</b>	<ul style="list-style-type: none"> <li>6/03/23 Site inspection with ER, Mirvac, WEM and RCC (M Pignatelli)</li> <li>13/03/23 Site inspection with ER, Mirvac, WEM (M Pignatelli)</li> <li>20/03/23 Site inspection with ER, Mirvac, WEM and RCC (M Pignatelli)</li> <li>27/03/23 Site inspection with ER, Mirvac, WEM and RCC (M Pignatelli)</li> <li>03/04/23 Site inspection with ER, Mirvac, WEM (B Bracken)</li> <li>17/04/23 Site inspection with ER, Mirvac, WEM and RCC (M Pignatelli)</li> <li>01/05/23 Site inspection with ER, Mirvac, WEM and RCC (M Pignatelli and B Bracken)</li> <li>15/05/23 Site inspection with ER, Mirvac, WEM (B Bracken)</li> <li>22/05/23 Incident site inspection with ER, Mirvac, WEM (M Pignatelli)</li> <li>29/05/23 Site inspection with ER, Mirvac, WEM and RCC (M Pignatelli)</li> </ul>
	<p><b>Lot 3 works</b></p> <ul style="list-style-type: none"> <li>The CEMP and sub plans will be submitted to DPE for approval. Building work on Lot 3 is proposed to commence in the coming quarter.</li> </ul>
<b>Complaints received by project</b>	No complaints were recorded during the reporting period however the ER was advised by the Project of an observation made by TfNSW relating to dust on Mamre Road on 22/05/23. WEM addressed the observation as a priority.
<b>Environmental Incidents</b>	<p>One incident was recorded during the reporting period relating to a minor release of sediment laden water. The incident was reported to DPE. DPE determined not to take any further action in relation to the matter.</p> <p>The ER also assessed the incident and documented its findings in the form of a site inspection report dated 22/5/23. Improvement opportunities identified in relation to the incident have been closed out.</p>
<b>Environmental non-compliances</b>	Nil
<b>Lessons learnt/ Opportunities for Improvement</b>	NIL
<b>Changes to Project Plans/ Approvals</b>	NIL
<b>Meetings attended by ER</b>	<ul style="list-style-type: none"> <li>Refer to site inspections</li> <li>Mirvac Aspect Industrial Estate - Community Consultation Meeting dated 17/03/2023</li> </ul>

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**Documents  
received by ER  
for review**

- SSD-10448 MOD 3 dated 02/03/2023
- AIE complaints register summary sheet (29 May 2023)

Correspondence sighted relating to the reported incident 17/5/23:

- Mirvac Email to ER dated 18/5/23 advising of a potential incident identified on 17/5/23 and intention to notify DPE.
- Mirvac Email to ER dated 22/5/23 advising that DPE attended the site regarding the reported incident.
- SEEC letter dated 22/5/23 - Review of Potential Pollution Incident: Aspect Industrial Estate Stage 1 (SSD10448), Kemps Creek; May 2023
- Mirvac email to DPE dated 24/5/23 - Notification of Event – Release of site water and sediment.
- DPE email to Mirvac dated 24/5/23 acknowledging receipt of the incident notification.
- DPE Letter to Mirvac dated 31/05/23 - Incident Notification - Water discharge (SSD-10448)

**Estate Works (WEM)**

- 2023 February CER Dust Deposition Monitoring report
- 2023 February CER Dust Monitoring report
- 2023 February CER Noise Monitoring report
- 2023 March CER Dust Deposition Monitoring report
- 2023 March CER Dust Monitoring report
- 2023 March CER Noise Monitoring report
- 2023 April CER Dust Deposition Monitoring report
- 2023 April CER Dust Monitoring report
- 2023 April CER Noise Monitoring report

**Lot 1 Works (Richard Crookes)**

- EMS23 0426 Dust deposition monitoring results 7/3/23 to 5/4/23 dated 14/4/23
- EMS23 0427 Particulate dust monitoring results 23/3/23 to 12/4/23 dated 14/4/23
- EMS23 0428 Noise monitoring report 7/3/23 to 5/4/23
- EMS23 0555 Dust deposition monitoring results 5/4/23 to 5/5/23 dated 12/5/23
- EMS23 0556 Particulate dust monitoring results 13/4/23 to 10/5/23 dated 12/5/23
- EMS 23 0557 Noise monitoring report 11/4/23 to 15/5/23

**Lot 3 works**

CEMP and subplan reviews undertaken by Alternate ER (Ben Bracken):

- Construction Environmental Management Plan - Building Works Lot 3, Reference 630.30613.00000-R01, Revision R01v0.5 and v07, dated 19/04/2023 and 19/04/2023
  - Construction Air Quality Management Plan – Warehouse 3, Reference 630.30613-R01, Revision v0.1 and v0.2, dated 14/04/2023 and 12/05/2023
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- Construction Noise & Vibration Management Plan - Warehouse 3, Reference 630.30613.CNVMP-R02, Revision v1.0 and v1.1, dated 04/05/2023 and 16/05.2023
- Construction Traffic Management Plan – Warehouse 3, Reference 630.30613-R01, Revision v0.5, v1.1, and v1.2, dated 04/05/2023 and 17/05/23 and 01/06/2023.

**Documents issued by ER**

**Estate Works (WEM)**

- ER inspection reports see above
- 2103.04 AIE Quarterly Report December-February 2022

**Lot 1 Works (Richard Crookes)**

- ER inspection reports see above

**Lot 3 works**

ER documents prepared by Alternate ER (Ben Bracken):

- CEMP and sub-plans ER Review Comments Register, Review No. 1, dated 08/05/2023; and Review No. 2, dated 26/05/2023
- CTMP ER Review Comments Register, Review No. 1, dated 08/05/2023; and Review 2, dated 29/05 2023

**Requests or CARs issued by ER**

The following non-compliance was raised during the reporting period:

NIL

The following corrective actions were raised during the reporting period as detailed below. All corrective action were closed out in a timely manner.

CA 230306-01 Estate works	Provide bunding for Chemical substances adjacent to works. Ensure spill kits are available on site (Site - Bakers Lane).
CA 230306-02 Estate works	Correctly install sediment fences by digging them into the ground in accordance with the blue book (Site - Bakers Lane).

**Review of monitoring results by ER**

This report summarises the data available at the time of drafting this report in the tables below and flags, by exception, elevated levels against the criteria outlined in the management plans.

It is noted that monitoring data presented below lags by one month as monitoring data for the last month of the reporting period is generally not available when this report falls due (within 7 days of the end of the month).

## Estate Works (WEM)

The WEM monitoring program comprises:

- real time noise monitoring and particulate matter monitoring network (SiteHive) with six locations around the site and have been running continuously during the reporting period.
- Attended noise monitoring
- Vibration monitoring
- A network of dust deposition gauges has been established to monitor for nuisance dust.

Parameter	February 2023	March 2023	April 2023
Noise (Real time)	Nil elevated levels attributable to construction.	Nil elevated levels attributable to construction.	Three (3) elevated levels attributable to construction were records at south-western boundary (L04) <sup>1</sup>
Noise (attended)	No attended noise monitoring	No attended noise monitoring	No attended noise monitoring
Vibration	No vibration monitoring	No vibration monitoring	No vibration monitoring
Particulate matter (Real time)	Nil elevated levels attributable to construction.	Six (6) PM <sub>10</sub> exceedances at Site Gate (L05) and Northern boundary (L01) <sup>2</sup>	Nil elevated levels attributable to construction.
Dust deposition <sup>3</sup>	DD levels above the monthly criteria at location 4 <sup>4</sup>	DD levels above the monthly criteria at location 2 and location 4 <sup>5</sup>	DD levels above the monthly criteria at location 2 <sup>6</sup>

Increased work activity directly adjacent to monitoring location 2 (southern boundary) and monitoring location 4 (western boundary) have triggered localised higher dust deposition levels. The Mirvac Project ER advised that these works have concluded, and dust deposition levels are expected to settle back to below the monthly dust deposition target. It is also noted that the 12 monthly rolling average (on data available) continues to be below the NSW EPA air quality goal.

<sup>1</sup> Elevated levels attributable to earthworks along the south-western boundary prompting measures to minimise noise related impacts. There were no noise events that met the criteria for reporting. No noise complaints were received.

<sup>2</sup> Exceedances attributable to vehicle movements and wind. Traffic control and water carts triggered to control dust.

<sup>3</sup> NSW EPA criterion of 4 g/m<sup>2</sup>/month criterion is strictly for assessing the annual average dust deposition rate. Therefore, an elevated monthly level should not be considered an exceedance.

<sup>4</sup> Location 4 adjacent to main access road works. Elevated levels were attributable escalated work at the boundary.

<sup>5</sup> Location 2 and Location 4 are adjacent to Lot 9 and main access road works. Elevated levels were attributable escalated work at the boundary.

<sup>6</sup> Location 2 is adjacent to Lot 9. Elevated levels were attributable escalated work at the boundary.

### Lot 1 Works (Richard Crookes)

The RCC monitoring program comprises:

- Unattended noise monitoring
- Vibration monitoring
- A network of dust deposition gauges has been established to monitor for nuisance dust.

Parameter	February 2023	March 2023	April 2023
Noise (unattended)	N/A	7/03/23- 5/04/23 NML exceeded on most days <sup>7</sup>	5/04/23-5/05/23 NML exceeded on most days <sup>7</sup>
Particulate dust monitoring	N/A	23/03/23 -12/4/23 Nil elevated levels attributable to construction at Lot 1	13/04/23 -10/5/23 Nil elevated levels attributable to construction at Lot 1
Dust deposition <sup>8</sup>	N/A	7/03/23- 5/04/23 Nil elevated levels attributable to construction at Lot 1	5/04/23-5/05/23 Nil elevated levels attributable to construction at Lot 1

The RCC noise monitor was located at the boundary of Lot 1 (south-western corner), and within the Estate boundary. Readings from this noise monitor are not representative of noise levels at the Estate boundary. The Mirvac Project ER advised that Estate heavy vehicles working directly adjacent to the noise monitors triggered elevated noise levels. Measures were being considered to shield the noise monitors from Estate noise so they may be more representative of activities from Lot 1.

<sup>7</sup> Daytime average LAeq noise levels exceeded the noise affected NML on most site workdays at the south-western monitoring location of Lot 1. The highest LAeq, 15-minute noise levels also exceeded the noise affected NML on most site workdays. Noise levels were likely contributed to by traffic on Mamre Road and heavy earth moving attributable to the overall AIE site. Noise consultants EMS concluded that it is unlikely that works occurring within Lot 1 of the AIE would directly cause significant disturbance to residential receivers across Mamre Road.

<sup>8</sup> NSW EPA criterion of 4 g/m<sup>2</sup>/month criterion is strictly for assessing the annual average dust deposition rate. Therefore, an elevated monthly level should not be considered an exceedance.

## Photographs

### WEM – Western boundary

Sensitive works along the western boundary caused a minor breach of sediment along the western boundary. The impacted area was locally contained by Mamre Road and the heavily grassed verges.

The event was reported to DPE as an incident.

Erosion and sediment controls in the vicinity were renewed to reduce the risk of re-occurrence

(Photos 22/5/23 and 29/5/23).



Photo 22/5/23



Photo 29/5/23

### WEM – Riparian works

Sensitive riparian works were progressing along the western boundary at the interface of the temporary clean water channel and the permanent riparian channel.

Geofabric, rock armour, sediment fences and polymer was applied to upgradient slopes to reduce the risk of sediment laden water exiting the site.



Photo 22/5/23



Photo 29/5/23



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### **WEM – Temporary access road**

The CAR and its intersection with Mamre Road was in good condition with only minor dusting of surfaces present. (Photo 29/5/23)



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### **WEM – Southern boundary**

The retaining wall on the southern boundary to Pad 9 was being constructed. This involves the excavation of the embankment, drilling and installation of rock nails and shotcrete (Photos 29/5/23).



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**Richard Crookes (RC) – Pad 1**

The site compound has been established and the steel from for the warehouse is progressing.

The site is covered in DGB to provide a clean working surface and reduce the potential for tracking (Photos 29/5/23).



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End.