

MOOREBANK PRECINCT WEST (SSD 7709)

Stage 2: Summary of Monitoring Results

January – December 2021

08 JUNE 2022

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Table of Contents

| | |
|---|-----------|
| Table of Contents | 3 |
| 1. Introduction..... | 5 |
| 1.1 Background | 5 |
| 1.2 Moorebank Logistics Park Overview | 5 |
| 1.3 The MPW Stage 2 Development | 5 |
| 1.4 Purpose and Scope..... | 6 |
| 2. Environmental Performance..... | 7 |
| 2.1 Air Quality and Dust..... | 7 |
| 2.2 Water Quality | 7 |
| 2.3 Noise and Vibration | 9 |
| 2.4 Traffic..... | 10 |
| 2.5 Biodiversity | 10 |
| 2.6 Heritage | 13 |
| 2.7 Community Engagement | 13 |
| 2.8 Community Complaints..... | 13 |
| 3. Non-Compliances | 14 |
| 4. Statement of Compliance | 15 |

Tables

| | |
|--|----|
| Table 1: Air quality results | 7 |
| Table 2: Water Quality Monitoring Requirements and Results | 8 |
| Table 3: Noise and Vibration Monitoring Requirements and Results | 9 |
| Table 4: Traffic Monitoring Requirements and Results..... | 10 |
| Table 5: Biodiversity Monitoring..... | 10 |
| Table 6: Non-compliances Identified in the Reporting Period | 14 |

Acronyms

| Acronym | Meaning |
|---------|--|
| CAQMP | Construction Air Quality Management Plan |
| CEMP | Construction Environmental Management Plan |
| CFFMP | Construction Flora and Fauna Management Plan |
| CNVMP | Construction Noise and Vibration Management Plan |
| CoC | Conditions of Consent |
| CSWMP | Construction Soil and Water Management Plan |
| DPE | Department of Planning and Environment (formerly the Department of Planning, Industry and Environment) |
| EPA | NSW Environment Protection Authority |
| EPL | Environment Protection Licence |
| ESC | Erosion and Sediment Control |
| IMT | Multi-purpose intermodal terminal |
| IPC | NSW Independent Planning Commission (formerly the NSW Planning Assessment Commission) |
| MLP | Moorebank Logistics Park |
| MPE | Moorebank Precinct East |
| MPW | Moorebank Precinct West |
| NTU | Nephelometric Turbidity unit |
| NMLs | Noise Management Levels |
| OSD | Onsite Detention |
| REMMs | Revised Environmental Mitigation Measures |
| SIMTA | Sydney Intermodal Terminal Alliance |
| SSD | State significant development |
| SSFL | Southern Sydney Freight Line |
| TSS | Total suspended solids |

1. Introduction

1.1 Background

This Moorebank Precinct West (MPW) Stage 2 Summary of Monitoring Results Report (this Report) has been prepared by Aspect Environmental Pty Limited on behalf of Sydney Intermodal Terminal Alliance (SIMTA) for the 2021 reporting period. This report has been prepared in accordance with condition of consent (CoC) C21 of the MPW Stage 2 SSD 7709 development consent dated 11 November 2019, as modified.

1.2 Moorebank Logistics Park Overview

In 2017, SIMTA and Moorebank Intermodal Company entered into an agreement to develop the Moorebank Precinct East (MPE) MPE Project and MPW Project into the Moorebank Logistics Park (MLP).

When completed, the MLP will move 1.55 million shipping containers annually by rail instead of road. It will also feature Australia's largest purpose-built warehouse and distribution precinct serviced by the latest automated technology which will see driverless shuttle carriers collect and transport containers around the precinct to be processed, unpacked and stored on site prior to distribution.

Construction activities are underway across the MLP, for both the MPW and MPE developments.

1.3 The MPW Stage 2 Development

SIMTA received consent for the construction and operation of Stage 2 of the MPW Project on 11 November 2019, being the second stage of development under the MPW Concept Approval (SSD 5066, as modified). The consent instrument is Development Consent SSD 7709.

SSD 7709 has been subject to the following modifications:

- MPW Stage 2 Modification 1 (SSD 7709- MOD 1), approved on 24 December 2020 by NSW Independent Planning Commission (IPC) and
- MPW Stage 2 Modification 2 (SSD 7709- MOD 2), approved on 30 September 2021 by IPC.

Environmental monitoring and reporting, and compliance reporting took place in accordance with the consent and can be found on the SIMTA Website (www.simta.com.au).

The SSD 7709 development consent (as modified) enables the construction and operation of a multi-purpose intermodal terminal (IMT) facility, rail link connection, warehousing, freight village, and upgrades to the Moorebank Avenue and Anzac Road intersection at Moorebank in western Sydney. Construction activities as part of the Development commenced in December 2020.

1.4 Purpose and Scope

This Report has been prepared to address CoC C21 of the MPW Stage 2 SSD 7709 Development Consent that requires:

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

vi. 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;

vii. A comprehensive summary of the monitoring results of the development, reported in accordance with the specification in any conditions of this consent, or any approved plans and programs.

This Report satisfies the requirements of CoC C21(a)(vi) and (vii) by providing a summary of the environmental monitoring, undertaken under CoC C20:

C20. *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.*

2. Environmental Performance

This section provides a summary of the monitoring results and associated environmental outcomes for the reported period, against the requirements of the relevant statutory requirements, limits or performance measures/criteria and requirements of any plan or program required under the SSD 7709 development consent.

2.1 Air Quality and Dust

Table 1 provides the air quality requirements defined by conditions on consent and results for reporting period.

Table 1: Air quality results

| Monitoring Type/ Trigger Levels/ Requirements | Source/ Methodology | Results |
|--|--|---|
| Compliance Monitoring: Must ensure dust generated by the development do not cause exceedance of the following criteria at private property not associated with the development: (a) 2g/m ² /month maximum increase in deposited dust level; and (b) 4g/m ² /month maximum deposited dust level. | CoC B46 MPW 2 Dust deposition gauges. | 12-month average of deposited dust were recorded below the 4g/m ² /month |

2.2 Water Quality

Table 2 provides the water quality requirements defined by the Environment Protection Licence (EPL) and Construction Soil and Water Management Plan (CSWMP) and results for the reporting period.

Table 2: Water Quality Monitoring Requirements and Results

| Monitoring Type/ Trigger Levels/ Requirements | Source/ Methodology | Results |
|--|---|--|
| EPL 21054 discharge criteria: pH: 6.5-8.5 Turbidity <25 NTU TSS <50 mg/L PFOS 0.13 µg/L PFHxS 2 µg/L PFOA 10 µg/L PFOS and PFHxS total 2 µg/L | EPL L2.4: Monitoring prior to discharge or basin specification are exceeded | Required monitoring were undertaken and results showed 2 exceedances of EPL discharge criteria at discharge point (DP) 3. Uncontrolled water discharge occurred twice at DP3. A 320 mm rainfall event in the period 19-20 March 2021 and 64 mm rainfall event in the period 24-25 August caused the uncontrolled water discharges. Laboratory results identified that EPL discharge criteria had been exceeded for TSS and turbidity. Reports were provided to the EPA on the 26 March and 3 September and the EPA advised no further action was required. |
| Water discharge performance: - Rainfall data - Water quality data - Dates of rainfall - Dates of sampling, results - Dates of release. | Section 3.6 Construction Soil and Water Management Plan (CSWMP): Bi-monthly monitoring | Weather conditions were monitored, sampling was undertaken, and discharge permits were issued as necessary. |
| Site inspection of every sediment control device includes: - Condition and maintenance requirements of each sediment control device and - Volume of sediment removed from each sediment retention system where applicable - Sediment disposal location. | Section 3.6 CSWMP: Weekly and post rainfall event monitoring | In accordance with CoC B32, monthly site inspections were undertaken by a Certified Professional in Erosion and Sediment Control to report on the implementation of the CSWMP and provide improvement recommendations. Erosion and Sediment Control (ESC) inspections were also conducted pre and post rain events and weekly to verify controls were in place and effective. Overall sediment controls were effective, free of excessive sediment deposition and batters had appropriate controls in place. No non-conformances were identified during the period and erosion and sediment controls were consistent with the approved CSWMP and suitable to manage ESC risk. |

2.3 Noise and Vibration

Table 3 provides noise and vibration monitoring requirements defined by the Construction Noise and Vibration Management Plan (CNVMP) and results for the reporting period.

Table 3: Noise and Vibration Monitoring Requirements and Results

| Monitoring Type/ Trigger Levels/ Requirements | Source/ Methodology | Results |
|--|---|---|
| Construction noise and vibration management levels | Section 4.3 CNVMP Monthly monitoring reports | Results of noise and vibration monitoring were summarised in monthly reports with no non-conformances identified. |
| Continuous vibration monitoring for construction works within 100 m of the relevant ABB building. | Sections 4.4.6.1 CNVMP | Vibration and attended noise monitoring was conducted for works within 50 m of the ABB boundary. Results identified no vibration impacts and noise levels were in accordance with the approved levels defined in the CNVMP. |
| Continuous vibration monitoring construction works within 100 m of Kitchener House | Sections 4.4.6.1 CNVMP | N/A no work was conducted with in the vicinity of Kitchener House. |
| Attended noise measurements within 28 days of significant equipment arriving on site to establish the actual noise levels and to confirm that the operating levels comply with table 30 CNVMP. | Sections 5.1.1 CNVMP | The Project engaged an acoustic consultant and completed the required assessment on 18 October 2021. All results were compliant with the CNVMP requirements. |
| Attended community noise monitoring | Sections 5.1.2 CNVMP | Following the receipt of a community noise complaint and in accordance with the CNVMP, attended noise monitoring was completed. The construction noise levels during the measurement period were below the project construction noise management levels at all nearby noise sensitive receiver locations. No additional review of construction mitigation and management measures from these construction works was required. |

2.4 Traffic

Table 4 provides traffic monitoring requirements defined by the Construction Traffic and Access Management Plan (CTAMP) and results for the reporting period.

Table 4: Traffic Monitoring Requirements and Results

| Monitoring Type/ Trigger Levels/ Requirements | Source/ Methodology | Results |
|---|--|--|
| Monitoring incident/complaints for: <ul style="list-style-type: none"> - Road Safety - Network efficiency - Heavy vehicle route plan - Access and parking arrangement - Traffic on Moorebank Avenue during peak period | Section 4-1 CTAMP Bi-monthly Complaints Register Incident Register Contractor Vehicle Tracking Report | No incident and/or complaint was registered. |

2.5 Biodiversity

Table 5 provides biodiversity monitoring requirements defined by the Construction Flora and Fauna Management Plan (CFFMP) and Koala Management Plans and the results for the reporting period.

Table 5: Biodiversity Monitoring

| Monitoring Type/ Trigger Levels/ Requirements | Source/ Methodology/ Frequency | Results |
|--|--|---|
| Nest box monitoring in compliance with Nest Box Monitoring Strategy (NBS) - Annually during spring | Section 3.2.4 CFFMP/ CoC D21(d)(ii)(b) and Revised Environmental Mitigation Measures (REMM) 6AA under MPW Concept Plan Development Consent (SSD 5066). | 2021 annual nest box monitoring was conducted in spring. The report was not finalised at the time this report was being prepared. |

| Monitoring Type/ Trigger Levels/ Requirements | Source/ Methodology/ Frequency | Results |
|--|--|---|
| <p>Inspect the delineation of “NO-GO” areas to ensure that the clearing boundary is intact and clearly visible</p> <p>Inspect areas immediately adjoining the clearing boundary to ensure no material stockpiling, plant or equipment storage is located within a “NO-GO” area</p> | <p>Section 4.1 CFFMP</p> <p>Daily monitoring by Site Supervisor</p> | <p>Daily site inspections were conducted that identified minor repairs to flagging no-go areas. Flagging was repaired and the action closed out.</p> |
| <p>Inspection of sediment control measures (sediment fencing) to ensure all measures are intact and functioning properly, to avoid indirect impacts on adjoining areas</p> | <p>Section 4.1 CFFMP</p> <p>Weekly, and as soon as practical following rainfall monitoring by Contractor’s EM/ Site Supervisor</p> | <p>Weekly and wet weather inspections were carried out. Basins and swales were operating effectively.</p> |
| <p>Inspection of cleared and disturbed areas, to confirm that appropriate stabilisation measures have been implemented.</p> <p>Inspection of cleared and disturbed areas, to identify the presence of establishing weeds</p> | <p>Section 4.1 CFFMP</p> <p>Weekly monitoring by Contractor’s EM</p> | <p>Weekly inspections were conducted that identified minor weeds outbreaks on stockpiles. Weeds were treated and removed periodically.</p> <p>Long term stockpiles were stabilised.</p> |
| <p>Inspect Project site to determine weeds, vermin and pest species are not present in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area</p> | <p>Section 4.1 CFFMP</p> <p>No less than every three months monitoring by Contractor’s EM</p> | <p>Quarterly inspections were completed. No significant numbers were identified.</p> |
| <p>Inspection of macroinvertebrate communities undertaken upstream and downstream of the proposed impact at the Georges River Bridge and reference locations to assist identify any changes in aquatic communities</p> | <p>Section 4.1 CFFMP</p> <p>Prior to, during and following construction monitoring by Contractor’s EM</p> | <p>Sampling took place on the 13 April 2021. A total of 10 family groups were collected across all monitoring locations. The family groups ranged from tolerant to sensitive species. The abundance of animals collected was relatively low, which may be associated with heavy rains (299.6mm in the two weeks prior to sampling).</p> |

| Monitoring Type/ Trigger Levels/ Requirements | Source/ Methodology/ Frequency | Results |
|---|-------------------------------------|---|
| Monitoring Bootland and Moorebank Offset | Section 9.1 Koala Management Plan | 2020 spring monitoring was conducted. The report was not finalised at the time of drafting this report. |
| Habitat monitoring | Section 9.1.3 Koala Management Plan | 2020 spring monitoring was conducted. The report was not finalised at the time of drafting this report. |

2.6 Heritage

No unexpected finds were identified in the reporting period.

2.7 Community Engagement

The following community engagement activities were completed during the reporting period:

- The Moorebank Intermodal website (<https://simta.com.au/>) was updated with relevant project documentation, including the Construction Environmental Management Plan (CEMP), associated Sub-plans and monitoring results.
- Complaints and enquiries were managed via an independent contractor and details were recorded in a community complaint register, which is available on the website.
- Three newsletters were published during the reporting period, in April 2021, October 2021 and December 2021. The newsletters were posted to residents and uploaded to the Project website.
- The Community Consultative Committee met on four occasions during the reporting period, however these meetings were in a virtual format due to the ongoing COVID-19 pandemic. The Community Consultative Committee meetings cover the entire MLP precinct and meeting minutes are publicly available on the SIMTA website.

2.8 Community Complaints

The summary of the community complaints received, and the actions completed are available on the SIMTA Website (www.simta.com.au).

3. Non-Compliances

There were three non-compliances during the reporting period (Table 6).

Table 6: Non-compliances Identified in the Reporting Period

| CoC Ref | Detail | Proposed or Completed Action | Status |
|---------|--|---|--------|
| B43 | Stockpiles generated under MPW2 were being maintained as per MPW1 consent conditions. | The report set out a process to manage stockpiles going forward based on the requirements of their consent of origin. B43 was modified 30 September 2021. This allows for geotechnical advice regarding batter slope. | Closed |
| B138 | Noise assessment for mechanical plant and other noisy equipment had not been submitted to the DPE prior to the commencement of construction of the JN Warehouse. | An acoustic consultant was engaged to conduct the noise assessment and the completed assessment was submitted to DPE on 18 October 2021. DPE advised no further comment on 15 December 2021. | Closed |
| A3 | Precast stormwater pipes were stored within the site boundary but outside the construction boundary. | The pipes were relocated to inside the construction boundary and the disturbed area was reinstated. | Closed |

4. Statement of Compliance

In accordance with CoC C21(a) (vi) and (vii) of the MPW Stage 2 SSD 7709 Development Consent, SIMTA must review the environmental performance of the development and make the report publicly available on its website on a regular basis.

This Summary of Monitoring Results has been prepared to address the requirements of CoC C21(a) (vi) and (vii) and has provided a comprehensive summary of the monitoring results of the development. The report is prepared in accordance with the CoC C20 and reporting requirements under approved plans and programs.

The overall assessment of environmental performance for this reporting period demonstrated compliance with the relevant development conditions and commitments.

Additional detail regarding the environmental performance of the MPW Stage 2 development is provided in the compliance reports in accordance with CoC C14, which are available on the SIMTA website (www.simta.com.au).