

# MOOREBANK PRECINCT EAST (SSD 7628)

Stage 2: Annual Review #02

January – December 2019

29 JULY 2020

# Moorebank Precinct East

## Stage 2: Annual Environmental Review – #02

January - December 2019

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# Acronyms

Acronym	Meaning
CEMP	Construction Environmental Management Plan
CFFMP	Construction Flora and Fauna Management Plan
CoC	Conditions of Consent
CSWMP	Construction Soil and Water Management Plan
CTP	Compliance Tracking Program
DPIE	Department of Planning, Industry and Environment (formerly Department of Planning and Environment)
EEC	Ecologically Endangered Community
EPBC	Environmental Protection and Biodiversity Act 1999
EPL	Environment Protection Licence
ER	Environment Representative
IPC	NSW Independent Planning Commission, formerly the NSW Planning Assessment Commission
MLP	Moorebank Logistics Park
MPE	Moorebank Precinct East
MPW	Moorebank Precinct West
NCR	Non-conformance report
NOHSC	National Occupational Health and Safety Commission
OAQMP	Operational Air Quality Management Plan
OEMP	Operational Environmental Management Plan
OFFMP	Operational Flora and Fauna Management Plan
ONVMP	Operational Noise and Vibration Management Plan
OTAMP	Operational Traffic Management Plan
PAC	NSW Planning Assessment Commission (now the Independent Planning Commission)
PFAS	Per & Polyfluoroalkyl Substances
REMMs	Revised Environmental Mitigation Measures
RfMA	Request for Minor Amendment

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SIMTA	Sydney Intermodal Terminal Alliance
SSD	State significant development

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# 1. Introduction

## 1.1 Background

The annual review has been prepared by Aspect Environmental Pty Limited on behalf of SIMTA in accordance with condition of consent (CoC) C10 of the Moorebank Precinct East (MPE) Stage 2 (SSD 7628) development consent, dated 31 January 2018.

## 1.2 Moorebank Logistics Park Overview

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

When completed, the MLP will move 1.5 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 or distributed in smaller consignments

Construction and operational activities are underway across the MLP, for both the MPW and MPE developments (Stage 1 – SSD 6766 and Stage 2 – SSD 7628).

## 1.3 Scope of Works

The key components of the MPE Stage 2 development include:

- Earthworks, including the importation of 600,000 m<sup>3</sup> of fill and vegetation clearing.
- construction of 300,000 m<sup>2</sup> gross floor area (GFA) of warehousing and ancillary offices
- freight village - 8,000 m<sup>2</sup> GFA of ancillary retail, commercial and light industrial land uses
- internal road network and hardstand across the site
- ancillary supporting infrastructure within the site, including:
  - stormwater, drainage and flooding infrastructure
  - utilities relocation/installation
  - fencing, signage, lighting, and landscaping
- Moorebank Avenue Upgrade Works (MAUW)
- intersection upgrades along Moorebank Avenue including:
  - Moorebank Avenue/MPE Stage 2 access
  - Moorebank Avenue/MPE Stage 1 northern access
  - Moorebank Avenue/MPE Stage 2 central access
  - Moorebank Precinct West (MPW) Southern Access/MPE Stage 2 southern emergency access.

These works are progressing across the MPE Site. Figure 1 shows the construction footprint for MPE Stage 2.

**MPE Stage 2 Annual Environmental Review**



- LEGEND**
- MPE Site
  - MPE Stage 2 construction area
  - Warehouse 1 Precinct
  - Existing railway
  - Watercourse

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 Aerial imagery supplied by GeoEye (2013, 2014)





Figure 1 The extent of the MPE Stage 2 construction footprint (Arcadis 2019)

### 1.3.1 Works phasing

Construction on MPE Stage 2 development commenced in March 2018 and is anticipated to take approximately 24 to 36 months, with construction generally divided into the following three overlapping works phases:

- **Early Works**, which includes the following works:
  - importation, stockpiling and placement of up to 60,000 m<sup>3</sup> of imported clean general fill
  - clearing of non-native vegetation
  - stabilisation of areas where topsoil has been stripped with imported clean hard fill
  - removal of asbestos from heating equipment and fire-resistant building elements (e.g. fire doors)
  - hazardous material cleaning and decontamination in Buildings 67, 69, 81 and 83
  - heritage salvage works in Buildings 37, 75 and 80
  - establishment of a site access point at the existing MPE Site northern access
  - establishment of temporary site fencing, a site compound(s) and temporary car parking areas.
- **Construction Phase A**, which includes the following key components:
  - completion of site preparation activities
  - importation, stockpiling and placement of up to 600,000 m<sup>3</sup> of imported clean general fill
  - installation of on-site detention (OSD) and drainage infrastructure
  - construction of retaining walls
  - construction and internal fit-out of warehousing
  - installation of road furniture and pavement construction.
- **Construction Phase B**, which includes the following key components:
  - construction of Moorebank Avenue Diversion Road
  - bulk earthworks and relocation and installation of utilities
  - pavement works along Moorebank Avenue.

Figure 2 shows the construction footprint and the progressive development areas for warehousing, the freight village and Moorebank Avenue Upgrade Works for the reporting year.

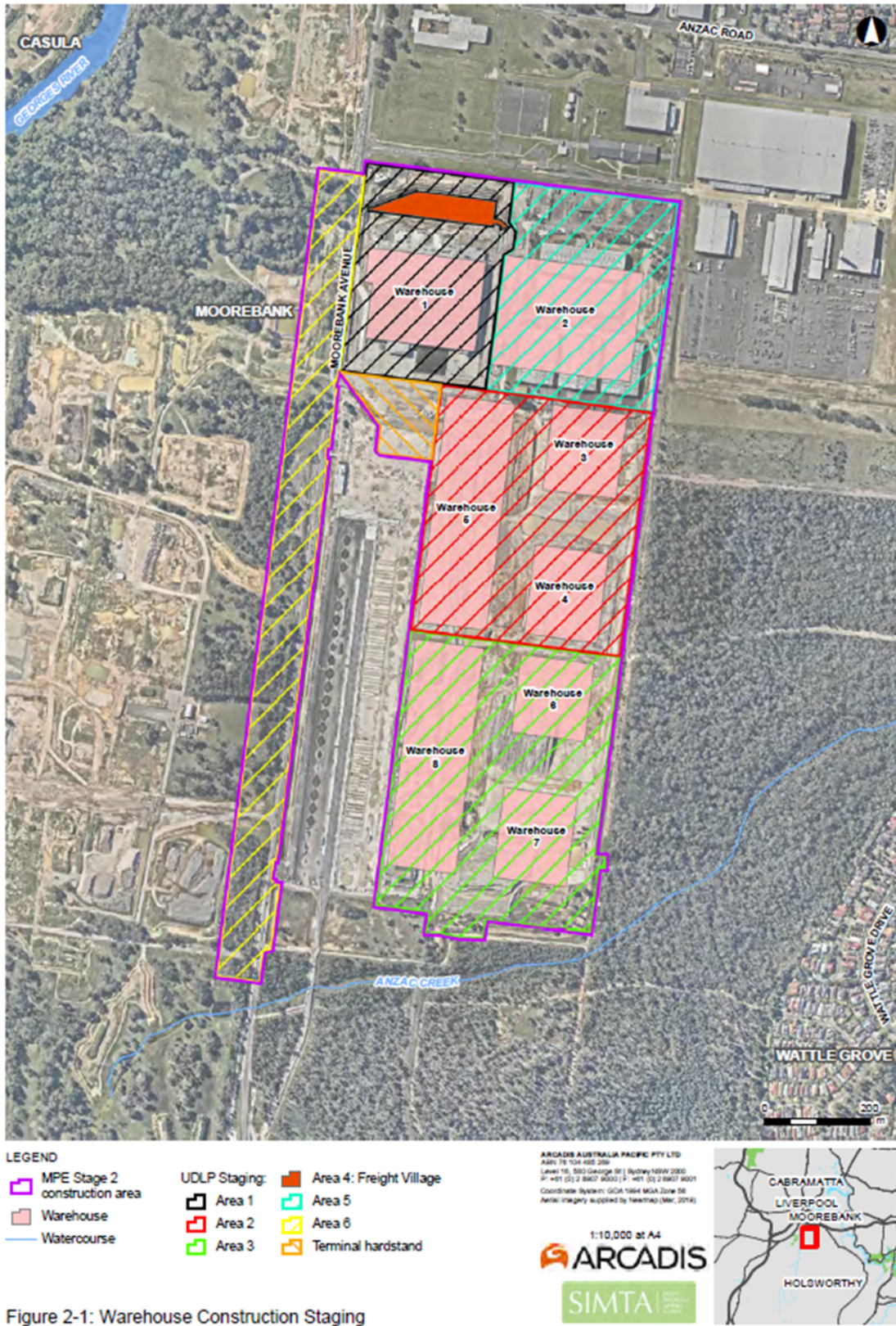


Figure 2 MPE Stage 2 Warehouse Construction Progression (Arcadis 2019)

To date, a number of contractors have been engaged to undertake the MPE Stage 2 development scope of works. The scope of works applicable to each contractor is described in more detail in Table 1.

Table 1: Contractors' scope of works for MPE Stage 2

Contractor	Scope of Works
Liberty Industrial	Demolition of existing warehouses and hardstands to clear the site, prior to establishing the land to allow the warehousing and infrastructure works to commence Works were completed in August 2019
Fulton Hogan	Bulk earthworks (including placement of imported fill and undertaking cut to fill), installation of drainage and utilities and pavement works
Hansen Yuncken	Warehouse 1 construction and fitout Warehouse 3 and 4 construction and fitout (including drainage infrastructure works in Area 3 and 5 which will support Area 2 warehouse construction)
Qanstruct	Warehouse 5 construction and fitout (works did not commence during this reporting period)
BMD	Detailed design and construction for Moorebank Avenue Upgrade and associated drainage
CARAS	Independent material verification

- **Pre-Operation and Commissioning for Staged Operations:**

The notice of commencement of operations was issued on the 18 June 2019 and acknowledged by the DPIE on the 21 June 2019. The notice referenced that the occupation and commencement would be “staged” as previously communicated and approved by the DPIE in the programme for Operational Phase Documentation (POPD) on 21 May 2019. Initial works in the second half of 2019 included the commissioning trials of equipment and the initiation of operations for Warehouse 1.

The progressive operation of Moorebank Precinct East, including MPE Stage 2, will continue in 2020. The construction and operation of additional warehouses and the freight village will occur progressively in different areas of the MPE reflective of market requirements.

#### 1.4 Scope and Purpose

This Annual Environmental Review has been prepared to address condition of consent (CoC) C10 of the MPE Stage 2 (SSD 7628) Development Consent. Table 2 outlines the requirements of CoC C10 and where within this document these have been addressed.

Table 2: Compliance Matrix - CoC C10

Condition requirement	Section reference
<p>The review must:</p> <p>(a) describe the development that was carried out in the previous calendar year, and the development that is proposed to be carried out over the next year;</p>	Section 2 of this report
<p>(b) include a comprehensive review of the monitoring results and complaints records from the previous year, including a comparison of these against the:</p>	Section 3 and Table 3 of this report
<p>i. the relevant statutory requirements, limits or performance measures/criteria;</p>	Section 3 and Table 3 of this report
<p>ii. requirements of any plan or program required under this consent;</p>	Section 3 and Table 3 of this report
<p>iii. the monitoring results of previous years; and</p>	Section 3 and Table 3 of this report
<p>iv. the relevant predictions in the EIS, Submissions Report, Consolidated assessment clarification responses; Modification Assessment, or conditions of this consent;</p>	Section 3 and Table 3 of this report
<p>(c) identify any non-compliance over the previous year, and describe what actions were (or are being) taken to ensure compliance;</p>	Section 4 of this report
<p>(d) identify any trends in the monitoring data over the life of the development;</p>	Section 5 of this report
<p>(e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and</p>	Section 5 of this report
<p>(f) describe what measures will be implemented over the next year to improve the environmental performance of the development.</p>	Section 6 of this report
<p>The Applicant must ensure that copies of the Annual Review are submitted to Council and are available to the CCC and any interested person upon request.</p>	Noted

## 2. Summary of activities

### 2.1 Introduction

This section describes the development that was carried out in the calendar year January 2019 to December 2019, while subsequent sections provide a forecast for activities (construction and operations) to be carried out over the next calendar year, 2020.

### 2.2 Development activities for reporting period – 2019

#### 2.2.1 MPE Stage 2 planning activities

As part of activities undertaken in association with the MPE Stage 2 Development during the reporting period, the following general activities relating to planning and environmental approvals were completed.

- MPE Stage 2 (SSD 7628) Partial Development Consent for subdivision of the MPE Site was issued by the Independent Planning Commission (IPC) on 5 April 2019.
- Subdivision works to establish Lots 12, 13, 21, 22, 23, and 26 completed
- Biobanking Agreement 341, executed on 31 January 2019
- MPE Stage 2 – Modification 1 (SSD 7628\_MOD 1) application was lodged with DPIE on 24 January 2019 – pending approval
- MPE Stage 2– Modification 2 (SSD 7628\_MOD 2) application was lodged with DPIE on 13 March 2019. SSD 7628\_MOD 2 was approved by DPIE on 31 January 2020.

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](http://www.simta.com.au))

#### 2.2.2 MPE Stage 2 construction activities

##### Early Works

- demolition of weighbridge access road
- disconnection and excavation of water mains
- off-site disposal of asbestos waste
- demolition of access road concrete pavement
- removal of stormwater pipes
- pulverising demolished concrete
- demolition of former Resource Co yard concrete pavement
- excavation of lead contaminated hotspot
- soil compaction of topsoil in the future Warehouse 7 area
- clearing of vegetation and stockpiling of topsoil in the future Warehouse 7 area
- laying of topsoil around tenanted warehouses
- decontamination and demobilisation of plant

- lead-in utilities excavations including backfilling
- rail removal at the southern end of the site
- installation of silt fencing

### **Construction Activities**

The following construction activities were undertaken during the 2019 reporting period:

- stockpiling of imported engineered fill
- earthworks across the site
- construction of on-site detention (OSD) basin 9
- independent material verification
- placement of imported engineered fill
- crushing of concrete from the demolition of existing building slabs for reuse
- heavily bound pavement, heavily bound base and asphalt placement for the Warehouse 1 Precinct
- warehouse construction, internal fit-out, and landscaping of Warehouse 1 Precinct
- construction of internal roads, paths and kerbs for Warehouse 1 Precinct
- bulk earthwork preparation works, including placement of imported sandstone, for warehouses 3 - 8
- construction of warehouses 3 and 4
- vegetation removal
- establishment of MAUW compound
- preparation works for construction of MAUW
- commencement of construction of Moorebank Avenue Diversion Road

#### 2.2.3 MPE operation activities

Operational capability and commissioning work for the import-export (IMEX) terminal and rail link and for Warehouse 1 was undertaken during Q3-Q4 2019. This is in line with the programme for Operational Phase Documentation (POPD), approved by DP&E on 21<sup>st</sup> May 2019 for Area 1.

### 2.3 Next Reporting Period (forecast) – 2020

This section provides a high-level summary of the construction and operational activities that will be carried out during the 2020 reporting period as part of the MPE Stage 2 Development.

### 2.3.1 Construction

Construction activities associated with MPE Stage 2 Development proposed to be undertaken during the 2020 reporting period include, but are not limited to, the following.

#### Early Works

- clearing of vegetation and stockpiling of topsoil in the future Warehouse 6, 7 and 8 area
- soil compaction of topsoil in the future Warehouses 6, 7 and 8 area
- laying of topsoil around warehouses, as completed
- progressive decontamination and demobilisation of plant
- lead-in utilities excavations including backfilling
- rail spur removal at the southern end of the site
- installation of silt fencing and other environmental controls

#### Construction Activities

- stockpiling of imported engineered fill
- earthworks across the southern portion of the site
- placement of imported engineered fill
- construction and commissioning of site stormwater infrastructure, including on-site detention (OSD) basins and the East-West Channel (following progressive repairs)
- crushing of concrete from the demolition of previous building slabs for reuse
- installation and commissioning of the MPE weather station
- foundation preparation works for the Freight Village
- construction and commissioning of the Freight Village, including internal fitout, landscaping, internal roads, carparking, paths and kerbs
- heavily bound pavement, heavily bound base and asphalt placement for Warehouses 3, 4 and 5
- warehouse construction, internal fitout, and landscaping of Warehouses 3, 4 and 5
- construction of internal roads, paths and kerbs for Warehouses 3, 4 and 5
- construction of Warehouse 5
- foundation preparation works, including placement of imported sandstone, for warehouses 6, 7 and 8
- progressive clearing activities within roadworks footprint
- preparation works for construction of MAUW
- construction of Moorebank Avenue Diversion Road
- commencement of construction of MAUW

- establishment of an East West Channel diversion channel
- refurbishment of the east west channel and drop structure.

### 2.3.2 Operations

Warehouses 3, 4 and 5 will commence operations at 24 hours per day, seven days per week. Maintenance and management of MPE operational areas will commence with operational reporting being progressively completed as required by the CoC.



### 3. Environmental performance

This section provides a review 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; requirements of any plan or program required under the SSD 7628 consent.

Table 3: Review of Environmental Performance

Aspect	Approved limit (if applicable) / EIS Prediction	Approved limit source	Monitoring outcomes during the reporting period	Comment
<b>Air Quality</b>	24 hour maximum: <ul style="list-style-type: none"> <li>PM<sub>2.5</sub> - 25 µg/m<sup>3</sup></li> <li>PM<sub>10</sub> - 50 µg/m<sup>3</sup></li> <li>Asbestos – 0.01 fibres/mL.</li> </ul> Annual average: <ul style="list-style-type: none"> <li>TSP – 90 µg/m<sup>3</sup></li> <li>Dust deposition must not exceed:</li> <li>An increase of 2g/m<sup>2</sup>/month or maximum of</li> </ul>	B55 CoC SafeWork NSW Asbestos COP (2019) Table 8 CAQMP Table 4.1 OAQMP	<ul style="list-style-type: none"> <li>Airborne asbestos fibre levels below 0.01 fibres/mL throughout the reporting period</li> <li>Total deposited dust results greater than 4g/m<sup>2</sup>/month (on average over 12 months) are analysed below:               <ul style="list-style-type: none"> <li>An elevated monthly project average of 4.7g/m<sup>2</sup>/month was recorded in February 2019. This elevated level was not attributed to construction works undertaken on the PIWE Site but was influenced by prevailing north-westerly and westerly winds that mobilised dust generated from offsite sources into the path of MPE monitors.</li> <li>In May 2019, dust deposition of 1270g/m<sup>2</sup>/month was recorded at the dust monitoring gauge on the north-western boundary of site. This anomaly has been assumed to result from fouling of the gauge as a result of adjacent earthworks directly impacting the gauge. This assumption was substantiated by the compliant readings determined for the gauge located downwind of the fouled gauge. The gauge has since been cleaned, recalibrated and moved 15 metres further north to prevent earthworks interference from reoccurrence.</li> </ul> </li> </ul>	Air quality is managed in accordance with the Air Quality Management Plan (AQMP) during construction on an ongoing basis. Continuous air quality monitoring will continue to be undertaken during construction and operation works throughout 2020. Generally, total deposited dust exceedances are caused by factors outside the direct control of the Project, such as backburning activities, and cannot be directly controlled or managed by the construction contractors. Community complaints were responded to as

Aspect	Approved limit (if applicable) / EIS Prediction	Approved limit source	Monitoring outcomes during the reporting period	Comment
	<p>4g/m<sup>2</sup>/month at the closest off-site sensitive receiver.</p> <ul style="list-style-type: none"> <li>Operational AQM limits</li> </ul>		<ul style="list-style-type: none"> <li>There were 7 exceedances of the 50µg/m<sup>3</sup>/day criteria in May 2019 that were attributed to elevated PM<sub>10</sub> levels within the region due to backburning activities. This is consistent with other monitoring results from the surrounding area. PM<sub>10</sub> levels on boundary locations of the Moorebank Precinct were recorded at a local monitoring station.</li> <li>The cause of the exceedances in June 2019 could not be established. Due to high rainfall events on the identified days, minimal construction works were being undertaken at the time of exceedances in June 2019.</li> <li>Elevated dust levels were recorded across the site in November 2019. These elevations have been attributed to the poor regional air quality associated with the bushfires taking place in the Greater Sydney region during the month. Air quality data recorded at the Liverpool air quality monitoring station during November indicated that levels of PM<sub>10</sub> and PM<sub>2.5</sub> in the area were regularly well in exceedance of the National Environmental Protection (Ambient Air Quality) Measure (AAQ NEPM) standard of 50µg/m<sup>3</sup> (24-hour average) for PM<sub>10</sub> and 25µg/m<sup>3</sup> (24-hour average) for PM<sub>2.5</sub>. Despite these elevated dust levels, the dust deposition levels were compliant with the criteria outlined in the CAQMP.</li> <li>Multiple exceedances of the 50µg/m<sup>3</sup> continuous monitoring limit were recorded during November 2019. These have been attributed to the poor regional air quality associated with the bushfires taking place in the Greater Sydney region during the month. Air quality data recorded at the Liverpool air quality monitoring station during November indicated that levels of PM<sub>10</sub></li> </ul>	<p>per the Community Communication Strategy (CCS).</p>

Aspect	Approved limit (if applicable) / EIS Prediction	Approved limit source	Monitoring outcomes during the reporting period	Comment
			<p>and PM2.5 in the area were regularly well in exceedance of the AAQ NEPM national standard during the recording month.</p>	
<b>Water Quality</b>	<ul style="list-style-type: none"> <li>• Total Suspended Solids (TSS) – 50 mg/L</li> <li>• pH – 6.5-8.5</li> <li>• oil and grease – no visible sheen</li> <li>• Turbidity- 25 NTU</li> </ul> <p>Operational water quality criteria</p>	<p>EPL dated 18/04/19 &amp; 01/08/19</p> <p>Operational water quality and stormwater monitoring requirements outlined in CoC B40, B43, B44 and B49.</p>	<ul style="list-style-type: none"> <li>• A total of 47 controlled water discharge were undertaken with no exceedances identified.</li> </ul>	<p>The quality of discharge water is tested and characterised to demonstrate compliance prior to any water discharge events during construction and operation.</p> <p>The operational stormwater monitoring requirements is yet to commence. Basin-related monitoring requirements are not triggered until 80% of a single catchment is operational, and no longer impacted by construction water.</p>
<b>Noise and Vibration</b>	<p>Noise Management Levels (NML):</p>	<p>CoC B62 &amp; B63 Table 2 of the ICNG CNVMP: Section 3.1.2</p>	<p><u>Construction noise and vibration management:</u></p> <ul style="list-style-type: none"> <li>• No noise exceedances reported</li> </ul>	<p>Compliance monitoring is undertaken as required at the nearest four</p>

Aspect	Approved limit (if applicable) / EIS Prediction	Approved limit source	Monitoring outcomes during the reporting period	Comment
	<ul style="list-style-type: none"> <li>Standard Hours – RBL + 10dBA</li> <li>Outside Standard Hours – RBL + 5dBA</li> </ul> <p>Highly noise affected – 75dBA</p> <p>Operational Noise limits.</p>	<p>Table 5 of Condition B80 of CoC.</p> <p>Table 4.1 of the ONVMP.</p>	<p><u>Operation noise and vibration management:</u></p> <ul style="list-style-type: none"> <li>The Operational Noise &amp; Vibration Management Plan (ONVMP) was approved by DPIE on 9/9/19. The DPIE was notified via email of commencement of occupation and operations on 18/06/2019. Operational noise monitoring for WH1 was not commenced in 2019, it is required to occur by 17/06/2020.</li> <li>Continuous noise monitoring commenced at selected sensitive receivers in May 2019 and no exceedances have been reported for the monitoring completed to date.</li> </ul>	<p>residential noise catchment areas (NCAs). The results show that the Project is generally compliant – managed in accordance with the Construction Noise and Vibration Management Plan (CNVMP).</p> <p>Continuous noise monitoring for operational activity will commence in 2020.</p>
<b>Traffic</b>	<ul style="list-style-type: none"> <li>During construction, the performance of key intersections is expected to generally operate at a level of service</li> </ul>	<p>Section 4.1 CTAMP-A: 15/06/2018</p> <p>Section 4.1 CTAMP-B: 13/12/2019</p>	<ul style="list-style-type: none"> <li>No monitoring was undertaken during this reporting period</li> <li>Two community complaints received for the reporting period.</li> </ul>	<p>During construction, impacts on traffic were managed under the relevant Construction Traffic and Access Management Plan (CTAMP) and Traffic Control Plans (TCPs), as applicable.</p> <p>Community complaints were responded to as</p>

Aspect	Approved limit (if applicable) / EIS Prediction	Approved limit source	Monitoring outcomes during the reporting period	Comment
	similar to that without construction in 2018.			per the Community Communication Strategy (CCS).
<b>Biodiversity</b>	Likely impacts are those impacts that may arise as a result of unmitigated activities associated with the construction of the Proposal. Ensure that no more than 4.69 hectares of native vegetation is cleared for the development (CoC B103 a)).	Table 4.2 CFFMP: Monitoring Requirements Table 4.1 OFFMP: Monitoring Requirements CoC B104: Table 6: Ecosystem credit requirements. CoC B104: Table 7: Species credit requirements.	<ul style="list-style-type: none"> <li>All credits associated with B104 have now been retired with the exception of the <i>Hibbertia puberula</i> subsp. <i>puberula</i> credits that are subject to an approved extension of time request. In a letter dated 5 December 2019, the DPIE agreed to extend the timeframe for retirement of <i>Hibbertia puberula</i> subsp. <i>puberula</i> credits from 26 October 2019 to 5 February 2020.</li> </ul>	Biodiversity impacts are managed in accordance with the Construction Flora and Fauna Management Plan (CFFMP) and the Operational Flora and Fauna Management Plan (OFFMP), including the undertaking of pre-clearance surveys and inspection for threatened species, populations and ecological communities prior to the removal of vegetation as part of the development, in accordance with the CoCs.
<b>Heritage</b>	Indigenous Heritage: <ul style="list-style-type: none"> <li>Avoid disturbance to Artefacts 2,3 and 4</li> <li>Adherence to Heritage</li> </ul>	HMP	<ul style="list-style-type: none"> <li>No monitoring was undertaken during this reporting period.</li> <li>No heritage impacts have been recorded for this reporting period.</li> </ul>	Managed in accordance with the Heritage Management Plan and Unexpected Finds Protocol.

Aspect	Approved limit (if applicable) / EIS Prediction	Approved limit source	Monitoring outcomes during the reporting period	Comment
	<p>Management Plan (HMP).</p> <p>Non-Aboriginal Heritage</p> <ul style="list-style-type: none"> <li>Adherence to HMP.</li> </ul>			
<b>Waste</b>	<ul style="list-style-type: none"> <li>Minimise waste creation and reuse material ahead of recycling</li> <li>Recycling materials has priority over disposal</li> <li>Adherence to Construction &amp; Demolition Waste Management Plan. (CDWMP)</li> </ul>	<p>Table 16 CDWMP: Waste and Resource Monitoring Requirements</p> <p>Table 4.2 OWRMP: Monitoring Criteria</p>	<p>The contractors maintain a waste register. Where reuse was not possible, on average, 90% of construction waste material (e.g. concrete, fill, timber, plastic) and office waste (food waste, paper and cardboard) was recycled.</p>	

### 3.1 Community engagement

During the reporting period, the following community engagement activities were undertaken:

- The Moorebank Intermodal website (<https://simta.com.au/>) continues to be updated with relevant project documentation, including the Construction Environmental Management Plan (CEMP), Operational Environmental Management Plan (OEMP), associated Sub-plans and monitoring results for noise, heritage and ecological monitoring.
- Complaints and enquiries are managed via an independent contractor and details are recorded in a community complaint register, which is available on the website. This register records complaints over the entire MPE Site.
- Three newsletters were published during the reporting period, in April 2019, July 2019 and November 2019. The newsletters were posted to residents and also uploaded to the Project website.

### 3.2 Community Complaints

The following table provides a summary of the community complaints received, and the actions undertaken as a result of the complaints, during the reporting period. Complaints and enquiries are managed in accordance with the Community Communication Strategy Section 7.6 Complaints and Enquiry Handling Flowchart by Elton Consulting.

It should be noted that given the proximity of the MPE and MPW Sites and the similar nature of their development, it is often difficult to directly attribute a complaint to a particular site or activity under a Development Consent, therefore, all complaints are dealt with in a whole-of-precinct approach.

Table 4: Complaints register summary

Time and date	Source and method	Direct or indirect feedback	Type of feedback	Details of enquiry/feedback	Action taken by SIMTA and follow up
15/02/2019 14:07	Email from community member	Direct	Negative	Complaint regarding excessive noise of OOHW	Complaint responded to via email and follow up email on 22 February. Resident advised of night works that were undertaken on referred nights, and the conditions which require the works to be undertaken at that time. Contractors reminded to minimise noise impacts during OOHW. Resident also advised that attempts to contact Defence Joint Logistics Unit were asked to investigate any OOHW they are undertaking, as work on project site should be inaudible beyond the project site.
5/03/2019 13:33	Email from community member	Direct	Negative	Complaint regarding lack of notification of upcoming helicopter works	Complaint responded to via email. Resident advised that notification took place beyond the required distance from the worksite and a Current Works notice was posted on the SIMTA website. Address requested to investigate if any streets within the distribution zone were missed.
3/04/2019 14:22	Email from DPIE regarding community member complaint	Indirect	Negative	Complaint regarding flooding impacts	Complaint responded to on 5 April via email. Clarified that the section of Moorebank Avenue referred to is owned by Liverpool City Council. SIMTA have arranged manual and sucker truck cleaning of all gutters, drains and stormwater pits as far north as the M5 Motorway to be carried out Mid-April at SIMTA's cost.
9/04/2019 16:24	Email from TfNSW forwarding an anonymous complaint	Indirect	Negative	Complaint regarding unsafe repair job on Moorebank Avenue	Complaint responded to via email. Complaint was passed on to project teams. CPB contractors advised that works are scheduled to be undertaken on the mentioned stretch of road in May, which will resolve the issue.



Time and date	Source and method	Direct or indirect feedback	Type of feedback	Details of enquiry/feedback	Action taken by SIMTA and follow up
20/05/2019 14:25	Email from DPIE forwarding community member complaint	Indirect	Negative	Complaint regarding excessive noise and use of emergency warning systems	Complaint responded to on 29 May via email to DPIE. Advised that the project did not undertake any emergency response activities at the time of the reported event and that the source may be from Holsworthy Army Base. Noise mitigation measures are further outlined, and emergency warning systems used on site explained.
28/06/2019 16:16	Email response to previous complaint's response from SIMTA	Direct	Negative	Complaint regarding use of water on project site by dust suppression trucks	Complaint responded on 1 July via email. Resident advised that the issue is being discussed internally and a more detailed response will be provided as soon as possible.
2/07/2019 15:02	Email from community member	Direct	Negative	Complaint regarding traffic conditions, trucks and condition of road at Bapaume Road	Complaint responded to on 3 July via email. Followed up with the project team and rectifications have commenced and discussions of further rectifications have commenced.
9/07/2019 16:26	Email response to previous complaint's response from SIMTA	Direct	Negative	Complaint regarding use of water opposite to Fire Station	Complaint responded to 9 July via email. Resident advised the water mains have not yet been commissioned and therefore the use in question may be in relation to the QA process of Sydney Water prior to commissioning. Picture of incident requested.
16/7/2019 16:05	Phone call from community member	Direct	Negative	Complaint regarding heavy vehicle truck on Anzac Road, Wattle Road	Complaint responded to 18 July via phone call. Resident was uncooperative and would not provide details of date/time/rego of observed heavy vehicles. Resident advised that if he provided details SIMTA would follow up the project team on the matter. Email address provided to resident for any future concerns.
18/07/2019	Email response to previous complaint's	Direct	Negative	Complaint regarding the use of water from water mains	Complaint responded to on 31 July via email. Resident advised that truck in question belongs to

Time and date	Source and method	Direct or indirect feedback	Type of feedback	Details of enquiry/feedback	Action taken by SIMTA and follow up
	response from SIMTA				a subcontractor and water used for dust mitigation is from on-site storage. Clarified the use of pumping stations is metered and those who use the water pay for their usage and are licensed by Sydney Water to do so.
16/08/2019 10:19	Email from community member	Direct	Negative	Complaint regarding excessive noise of OOHW	Complaint responded to on 19 August via email. The matter was discussed with FH and their work schedule combined with noise monitoring found that the noise referred to may have come from another source. Resident advised that FH will continue to ensure noise is minimised where possible.
17/08/2019 10:27	Email from community member	Direct	Negative	Complaint regarding excessive noise of OOHW	Complaint responded to on 19 August via email. The matter was discussed with FH and their work schedule combined with noise monitoring found that the noise referred to may have come from another source. Resident advised that FH will continue to ensure noise is minimised where possible.
20/08/2019 10:22	Email response to previous complaint's response from SIMTA	Direct	Negative	Complaint regarding using water from the mains on Anzac Rd four times a day	Complaint responded to on 20 August via email. Resident advised that the project has approval from Sydney Water to use the water supply on Anzac Rd and all water used is paid for. Previous response attached.
21/08/2019 6:00	Phone call from community member	Direct	Negative	Complaint regarding excessive noise of OOHW	Complaint responded to 21 August. The matter was discussed with FH and their work schedule combined with noise monitoring found that the noise referred to may have come from another source. Resident advised that FH will continue to ensure noise is minimised where possible.

Time and date	Source and method	Direct or indirect feedback	Type of feedback	Details of enquiry/feedback	Action taken by SIMTA and follow up
21/08/2109 16:03	Email from community member	Direct	Negative	Complaint regarding excessive noise on Moorebank Avenue during OOHW	Complaint responded to 23 August via email. After a number of similar complaints, investigation was undertaken into the referred-to dates. Advised those works are now complete and contractors will continue to ensure appropriate noise mitigation measures are carried out for future works.
2/09/2019 15:26	Email from community member	Direct	Negative	Complaint regarding excess of red dust at their residence	Complaint responded to 16 September via email. Dust suppression activities outlined and dust from the site noted as being white in colour.
7/09/2019 14:46	Email from community member	Direct	Negative	Complaint outlining damage to car sustained on Anzac Rd by temporary fencing	Phone call made to resident on 11 and 12 September, resident uncontactable. Email response sent on 12 September. Resident responded with further details 16 September. NRMA claim details received 1 October. Details of incident and emails forwarded to FH 2 October, resident advised of this.
11/10/2019 16:21	Phone call from community member	Direct	Negative	Complaint regarding three potholes on the road approaching the bridge on Cambridge Ave, Moorebank	Complaint was forwarded to project team on 11 October. Community member was informed at time of call that the land is still owned by Defence and advised that SIMTA would need Defence's approval to repair the road, and that the relevant party would repair the road.
25/10/2019 9:53	Email from DPIE forwarding complaint received by EPA	Indirect	Negative	Complaint regarding dust concerns and potential contamination of matter associated with Moorebank Intermodal project works	Response to DPIE provided 6 November noting that air quality and dust management processes for the site are considered to be compliant with the project requirements and while there has been an increase in dust generation on site in some areas of the site, dust and air quality is a systemic issue associated with the Sydney Region at the moment due to high winds, construction activities and dry conditions.

Time and date	Source and method	Direct or indirect feedback	Type of feedback	Details of enquiry/feedback	Action taken by SIMTA and follow up
27/11/2019 10:28	Email from DPIE forwarding community member email	Indirect	Negative	Complaint regarding dust impacts of Moorebank Intermodal Site	Response to DPIE provided on 4 December via email. Dust management processes outlined, and air quality and dust management processes noted as complaint with the project requirements. Current contributing environmental factors noted and addressed, and additional measures outlined.

The complaints received from the community regarding the MPE Stage 2 development, and the development of the Moorebank Intermodal site generally during the reporting period, are in relation to dust, noise and traffic impacts. This is consistent with the previous reporting period.

## 4. Non-compliances

The following table provides a summary of the non-compliances identified during the reporting period.

Table 5: Detailed summary of non-compliances during the reporting period

NC #	Date	CoC reference(s)	Nature of the non-compliance	Actions taken to minimise adverse effects of non-compliance	Actions taken to prevent reoccurrence of non-compliance
1	12/12/2018	B104	<p>CoC B104 requires the retirement of all biodiversity credits prior to the commencement of construction.</p> <p>During works undertaken on 12 September 2018, an area of occupancy for <i>Hibbertia puberula</i> subsp <i>puberula</i> was accessed by construction vehicles, which was a non-compliance against the requirements of CoC B104 as these biodiversity credits had not been retired.</p> <p><i>Note that this issue occurred outside of the reporting period, however, it is included here as associated corrective and preventative actions have occurred during the reporting period applicable to this report.</i></p>	<p>A survey of the location identified that no <i>Hibbertia puberula</i> subsp <i>puberula</i> plants were located in the 0.46 ha impacted area.</p> <p>The impacted area is located within the MPE Stage 2 Site and identified for removal for the MPE Stage 2 Project, following the satisfaction of all relevant CoC, including B104.</p>	<p>All credits associated with B104 have now been retired with the exception of the <i>Hibbertia puberula</i> subsp. <i>puberula</i> credits that are subject to an approved extension of time request.</p> <p>DPIE agreed to extend timeframe for retirement of <i>Hibbertia puberula</i> subsp. <i>puberula</i> credits from 26 October 2019 to 5 February 2020 in a letter dated 5 December 2019.</p> <p>Biodiversity credits for the MPE 2 Site were retired. Reference DPIE Approvals dated 29/3/2019; 30/10/2019.</p>
2	11/01/19	B34 (j)	<p>CoC B34 (j) requires that drainage infrastructure within the MPW Site to the Georges River is repaired and upgraded prior to the completion of construction of temporary MPE Stage 2 sediment basins.</p> <p>The east-west channel was not repaired and upgraded prior to the completion of construction of temporary MPE Stage 2 sediment basin. The east-west channel upgrade works could not be undertaken as the east-west channel is not situated within the MPE Stage 2 project boundary.</p>	<p>An Accordance Assessment detailing the proposed approach for the conveyance of stormwater from the western portion of the MPE Site to the discharge location at Georges River to ensure the MPE Project satisfies the design's flood management was prepared.</p>	<p>An update of the Moorebank Precinct West (MPW) Stage 1 CEMP and Sub-plans was undertaken in order to allow for repair work on the east-west channel to commence. No works were undertaken on the upgrade of the channel due to the need to remove EEC vegetation to enable a proper condition assessment of the channel and drop structure.</p>

NC #	Date	CoC reference(s)	Nature of the non-compliance	Actions taken to minimise adverse effects of non-compliance	Actions taken to prevent reoccurrence of non-compliance
3	7/03/19	B46	OSD 9 was not constructed in accordance with the approved Stormwater Management Plan for Warehouse 1 Precinct.	<p>A modification (SSD 7628_MOD 2) was submitted to DPIE on 15 March 2019 to allow the removal of the requirement for batter slopes in respect of OSD 9 to enable it to be constructed with vertical walls, as originally designed, and to exclude the requirement for a lid.</p> <p>It should be noted that original design of OSD 9 would not result in any additional environmental impact.</p>	SSD 7628_MOD 2 was approved 31 January 2020.
4	Q4 2018-Q1 2019	B36(c)(iii)	<p>CoC B36(c)(iii) requires that stockpile height and batters have a maximum of 1V:3H slopes and requires that stockpiles be benched if greater than four metres in height.</p> <p>The Imported Spoil Stockpile Area did not meet this requirement and no action had been taken to reduce the height of the stockpile for more than a month after it was identified.</p>	<p>This issue was reported in the MPE Stage 2 Independent Environmental Compliance Audit Report (dated 18 February 2019). However, it was noted that there <i>'did not appear to be any negative environmental outcomes associated with the current stockpile configuration with regard to dust emissions, sediment runoff or visual amenity.'</i></p> <p>Several corrective and preventive actions were implemented including reducing the stockpile height to below 10 m and ensuring benching with 1V:3H batters.</p>	A commitment was made that, in future, material imports to site would be limited to facilitate conformance with the Spoil Management Plan.
5	4/04/19	A23 (a)	CoC A23 (a) requires the stormwater drainage systems for the development to operate independently of any works proposed as part of the MPW Stage 2	The ESCP for Warehouse 1 and other sites were re-issued by the CPESC on 14 June 2019 to demonstrate	Not considered a non-compliance with CoC A23 as the Turkeys Nest was installed under MPW Stage 1 (SSD 5066) as a temporary

NC #	Date	CoC reference(s)	Nature of the non-compliance	Actions taken to minimise adverse effects of non-compliance	Actions taken to prevent reoccurrence of non-compliance
			<p>development application (SSD 7709) unless development consent has been granted under SSD 7709.</p> <p>MPE stormwater was pumped into the MPW “Turkey’s Nest”, a site water basin, as a “matter of emergency” during a recent rainfall event. The MPW “Turkey’s Nest” was approved under MPW Stage 1 RfMA 008 “to provide additional PFAS contaminated water storage capacity” and ensure PFAS water is not discharged during rainfall events. The use of the “Turkey’s Nest” is not approved for any other purpose.</p>	<p>emergency water capacity on the MPE Site.</p> <p>A non-compliance report was issued to the ER on 1 August 2019.</p>	<p>management/mitigation structure, and therefore, not included as works proposed under MPW Stage 2 SSD 7709.</p>
6	9/05/19	E2	Signage – site notice(s) to be prominently displayed at the boundaries of the site.	Signage that complied with CoC E2 was erected with the appropriate details of the details of the Contractor, Certifying Authority and Structural Engineer.	Maintenance of site signage.
7	11/06/19	B40 and A2(b)	<p>CoC B40 requires that a Stormwater Management Plan (SMP) be approved by the Secretary prior to the commencement of early works and fill importation. The SMP for MPE Stage 2 was approved by DPIE to be staged in accordance with CoC A14 and A15 on 2 July 2018. The SMP (Revision 2, dated 28 June 2018) for the Warehouse 1 Precinct was approved by DPIE on 2 July 2018.</p> <p>CoC A2 (b) requires that the development be carried out in accordance with all written directions of the Secretary, which includes written</p>	<p>Due to the delays associated with the determination of SSD 7268_MOD 2, SMPs for specific warehouse areas was prepared and submitted to DPIE to enable construction works to continue.</p> <p>An updated stormwater management plan covering WH 3, 4 and 5 was initially issued to DPIE on 11 July 2019.</p> <p>DPIE was notified by the Proponent of the commencement of works on Warehouse 4 on 2 August 2019. The</p>	<p>During this period, SIMTA has maintained transparency of works progress with the Department’s post-approvals team and worked collaboratively to gain a timely resolution.</p> <p>The MPE Stage 2 Mod 2 was lodged on 15 March 2019, exhibited June 2019 and approved 31 January 2020.</p> <p>The SMP – Balance of Site (SMP – BoS), prepared by Costin Roe, was approved by DPIE on 18/03/2020.</p>



NC #	Date	CoC reference(s)	Nature of the non-compliance	Actions taken to minimise adverse effects of non-compliance	Actions taken to prevent reoccurrence of non-compliance
			<p>approval of construction management plans.</p> <p>The SMP - Balance of Site, prepared by Costin Roe, comprises the area outside the initial Warehouse 1 Precinct, including Warehouse 3, 4 and 5 (Area 2) and the area west of these warehouses. Approval of this SMP by DPIE was delayed as an approval of SSD 7268_MOD 2 was still pending.</p> <p>As a result of the delay construction of warehouses 3, 4 and 5 commenced in part</p>	<p>approach to resolving this issue was prepared in consultation with DPIE during meetings undertaken between 2-26 August 2019, with supporting information provided on 9 August 2019 and progressively on request since.</p> <p>The DPIE issued an approval for the updated SMP for WH 3 and WH 5 East on 22 August 2019 and was issued to the Environmental Representative on the same date.</p> <p>A SMP for WH5 West was prepared and submitted to DPIE for review and approval on 2 September 2019, 13 October 2019 and 28 October 2019. The DPIE post-approvals team requested additional information on 7 November 2019 pertaining to interim arrangements for WH5 West in advance of OSD 10 being constructed. This portion of the operational stormwater system is covered under condition B41, which does not require inclusion in the B40 SMP.</p>	

## 5. Environmental monitoring trends

The monitoring results for the MPE development for the 2019 reporting period, as detailed in Table 3, are considered to be generally in accordance with the comparison criteria detailed in CoC C10. Further detail on the ongoing environmental performance of the MPE Stage 2 Development is provided in the quarterly construction compliance reports, submitted in accordance with CoC C21(c)(ii), which are available on the SIMTA website.

The monitoring results do not indicate any significant trends in the monitoring data over the life of the MPE Stage 2 Development. It should be noted that 18 months is too short a duration for any significant or long-term trends, beyond the seasonality of some aspects on site, to be identified.

In addition, no significant discrepancies between the predicted and actual impacts of the MPE development are evident from the environmental monitoring and compliance reporting undertaken in accordance with the requirements of the SSD 7628 development consent.

## 6. Environmental activities to be completed in the next reporting period

In addition to the current construction environmental monitoring and compliance reporting, the following environmental activities are to be completed in the 2020 reporting period.

Table 6: Activities to be completed during forecasted reporting period

Activity #	Aspect	Activity	Timeframe
1	Biodiversity Offsets	<p>Establishment and maintenance of 106.01 ha biodiversity offset area (precinct-wide) under the NSW Office of the Environment and Heritage (OEH) biobanking system.</p> <p>Retire the <i>Hibbertia puberula</i> subsp. <i>puberula</i> credits.</p>	2020
2	Operational Biodiversity Monitoring	<p>Aquatic macroinvertebrate and surface water quality monitoring will be undertaken at the upstream and downstream locations on Anzac Creek.</p> <p>Monitoring of threatened flora and vegetation condition adjoining the Rail Link will be conducted in accordance with the OFFMP and the BA 341 Biobanking Agreement requirements.</p> <p>Feral animal control is required as a part of the OFFMP.</p> <p>Koala fencing will be installed where required along the interface of the occupied habitat (the Boot Land) and the MLP East Precinct operational site. Annual monitoring of the fencing will be conducted to ensure it is functional.</p>	2020
3	Operational Traffic and Air Quality Monitoring Programme	<p>Implementation of air quality monitoring programme during the initial phases of both construction and operation including:</p> <ul style="list-style-type: none"> <li>• nuisance dust</li> <li>• air emissions.</li> </ul> <p>During construction and operation, real-time boundary monitoring will be used to measure site emissions and alert site personnel when dust triggers are breached. This monitoring will determine if the best practice measures are effective and/or if additional reactive controls are needed on any day.</p> <p>The proponent will be provided with Origin Destination Survey Data and Intersection Survey Data from the principal for analysing. As well as logistic schedules and via onsite monitoring.</p> <p>The provision of Site based (attended) traffic monitoring responding to adhoc traffic events or complaints will be implemented with attended sited based traffic monitoring being completed as required.</p>	2020
4	Ongoing CEMP and	As construction activities continue across MPE Stage 2, the CEMP and Subplan documentation will be updated	2020

Activity #	Aspect	Activity	Timeframe
	sub-plan updates	where necessary to reflect any changes. For example, in response to the approval of the MPE Stage 2 Mod 2 and the construction of OSD 2.	
5	Ongoing OEMP and sub-plan updates	As progressive operational activities begin in Q1 2020, the OEMP and Subplan documentation will be updated where necessary to reflect any changes.	2020

## 7. Statement of compliance

In accordance CoC C10 of the SSD 7628 Development Consent, SIMTA, must submit a review of the environmental performance of the development (including all tenants and occupants) DPIE annually.

This annual review has been prepared to address the requirements of CoC C10 and has assessed and reviewed all relevant predictions in the Environmental Impact Statement (EIS), Response to Submissions Report (RtS) and conditions of this consent.

The annual review has also considered the effectiveness of environmental management and mitigation measures required under Development Consent SSD 7628.

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 MPE Stage 2 development is provided in the compliance reports in accordance with CoC C21, which are available on the SIMTA website ([www.simta.com.au](http://www.simta.com.au)).