

Mr Rob Sherry  
Team Leader Compliance – Government Projects  
Department of Planning Industry and Environment  
Locked Bag 5022  
PARRAMATTA NSW 2124

7 June 2022  
Ref: 170108-ER\_DPE May 2022

Dear Rob

**RE: Sydney Metro City & South West – ER Monthly Reports for May 2022**

Healthy Buildings International (HBI) submits this report to the Secretary in accordance with:

- Condition A24 (l) of the Sydney Metro City & South West Chatswood to Sydenham CSSI 15\_7400 Approval (9 January 2017) and associated modifications MOD1\_Victoria Cross and Artarmon (18 October 2017), MOD2\_Central Walk (21 December 2017), MOD4\_Sydenham Station and Metro Facility South (13 December 2017), MOD3\_Martin Place Metro Station (22 March 2018), MOD5\_Blues Point Acoustic Shed (2 November 2018), MOD6\_Administrative Changes (21 February 2019), MOD7\_Administrative Changes (29 June 2020), and MOD8\_Blues Point Access Site (25 November 2020); and
- Condition A26 (j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI\_8256 Approval (12 December 2018) and associated modifications MOD1\_Bankstown Station.

The attached summaries detail the key activities undertaken by Environmental Representatives for Sydney Metro – City and South West Chatswood to Sydenham for the month of **May 2022**.

Yours sincerely

Jo Robertson  
Environmental Representative

Cc: Sydney Metro: Carolyn Riley, Fil Cerone, Ben Armstrong, Dylan Jones, Ann Paterson, Julia Diamond, Candice Somerville  
AA: Available on Sydney Metro Website  
Contractors: Available to Contractors on Sydney Metro Website  
DPIE Compliance: Portal  
DPIE Post Approvals: Available on Sydney Metro Website



1.	Central Station .....	3
2.	Sydenham Station and Junction (SSJ) .....	6
3.	Line Wide (Tallawong to Bankstown) .....	7
4.	Train Service Operation and Maintenance (TSOM) .....	13
5.	ISDs .....	15
6.	Barangaroo Station (BESIX Watpac) .....	28
7.	Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW) .....	34
8.	Marrickville, Canterbury & Lakemba Station Upgrades (MCL) .....	37
9.	Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW) and Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer).....	41
10.	Sydney Metro Retained Obligations (SM) /Other .....	41
11.	Statement of Limitations .....	45



## 1. Central Station

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Central Station	Michael Woolley
<b>Key Construction Activities During the Period</b>		
<p>Works conducted during the reporting period included:</p> <ul style="list-style-type: none"> <li>▪ Metro Box – Ongoing construction activities for the Chillers and Ventilation Building. Fit out of platform Canopies ongoing. Installation of skylight panels in Platform 14. Fit out of the Platform and other levels. Various FRP works for platform edges. Ventilation fans operating in Mole Hole 3 with silencers. Installation of escalators and fit out within the various levels.</li> <li>▪ Central Walk – Ongoing installation of new escalators and final panels around the new escalators. Other fit out activities. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Excavation of spoil from some escalator access points on northern side of Central Walk.</li> <li>▪ Sydney Yard – A small capacity WTP operating to treat surface waters with other water largely directed to Marrickville – subject to capacity restraints there. Water pumped from the Track slabs via various tanks to the WTP. Truck access; laydown; stockpiling of spoil.</li> <li>▪ Northern Concourse – Ongoing works at intersection of Northern Concourse and Metro Box area. Facier panels under the TCAC building being placed.</li> <li>▪ Eastern Entrance – FRP for roof slab completed. Randle Lane remains closed. Ongoing fit out and general construction activities.</li> <li>▪ Devonshire Street Tunnel - In operation and used by commuters.</li> <li>▪ CSR works Rail Institute – Barriers remain in place for compound area where there is material access to the Ghost Platform and CSR conduits. Bitumen resurfacing of impacted areas form the CSR works.</li> <li>▪ ESR Concourse - Ongoing use of the area for laydown and construction support. Fit out and other construction activities ongoing.</li> <li>▪ Ghost Platforms (above ESR Platforms 24-25) - Ongoing electrical and other fit out.</li> </ul>		
<b>Key Construction Activities Look Ahead</b>		
<ul style="list-style-type: none"> <li>▪ Ongoing activities as described above</li> </ul>		
<b>ER Inspections</b>		
<p>There were two ER inspections conducted during the reporting period on 11<sup>th</sup> and 25<sup>th</sup> May. Personnel from DPE attended the site visit on 25<sup>th</sup> May 2022. Issues raised during these inspections included:</p> <ul style="list-style-type: none"> <li>▪ Management of water at the OSD and the potential for offsite water discharge during heavy rain events;</li> <li>▪ Noise controls on site equipment;</li> <li>▪ Spill kit management; and</li> <li>▪ Screening of work area.</li> </ul> <p>Water management continued to be a challenge during the period with continued wet weather; the WTP being de-commissioned; and Line Wide not able to accept water during all hours of every day. LOR reported that water was pumped to the surface and on to the WTP. It was noted during the inspection on 11 May that there was some pooling of water on the surface where some water has potentially overtopped controls to the environment (ballast). The inspection on 25<sup>th</sup> May showed the pump to the WTP operating effectively. Discharge of water to the environment during significant rain events is covered under the Water Overflow Strategy. A draft updated Strategy was reviewed and commented on during the reporting period.</p> <p>As project continues, there are reduced civil works and reduced environmental (e.g. ERSED) risks as compared to previous stages of the project.</p>		



**Photos**



**Northern Concourse**



**Traffic Deck and new canopies on Platforms 12/13 and 14.**



**Fit Out in the North-South Concourse**



**Concrete pour on roof of the Eastern Entrance**



**Lifts to the Metro decl level**



**Sydney Yard – laydown and spoil management area**

**Endorsed Document/s**

- Nil

**Non-compliance/ Incidents or Repeat Complaints**

Sydney Metro has been providing summaries of complaints to DPE daily as well as to the ER. One complaint was received at 5:45am on 27 May 2022 in relation to noise from the Sydney Yard. LOR investigated the complaint and issued a Non-Compliance report for the event, noting a non-compliance with EPL Condition L4.1 which restricts construction works only be undertaken between the hours of 7:00 and 18:00 (Mon-Fri) and 8:00 – 13:00 Sat. The





event is also considered to represent a Non-Compliance with Condition E36 of the Project Approval which reflects similar construction hours.

One complaint was received on 2 May, however not considered to relate to LOR works.

No Incidents were reported that would trigger reporting under Condition A41.

**Audits**

There were no audits conducted during the reporting period.

**Looking Forward – Core Focus Areas**

- Water Management
- Heritage Reporting



## 2. Sydenham Station and Junction (SSJ)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Sydenham Station and Junction (SSJ)	#21147	Jo Heltborg
<b>Key Construction Activities During the Period</b>			
<ul style="list-style-type: none"> <li>▪ Fraser Park Ancillary Facility: Demobilisation and clean-up complete including removal of sites sheds, generators, storage containers and amenities</li> <li>▪ Geotechnical Area: Completion of boundary fencing ongoing</li> <li>▪ Development Area: Handed over to Sydney Metro</li> <li>▪ Main Site (11 Sydenham Road): Minor defect work ongoing</li> <li>▪ Sydenham Station: Sydney Metro screen door installation on Platforms 1, 2 &amp; 3 by TSOM</li> <li>▪ Secondary Plaza: TSOM site compound removed</li> <li>▪ Sydenham Pit and Pumping Station: Formal handover to Sydney Water complete (awaiting records)</li> <li>▪ Way Street Laydown Areas: Materials removal ongoing for handover to Sydney Trains</li> <li>▪ XPT Laydown: Sydney Trains handover process to be formalised</li> <li>▪ Carrington Road Laydown: Spoil load-out to Gateway project continued. Sydney Water handover process to be formalised</li> <li>▪ Bedwin Road: Minor defects only</li> <li>▪ All areas Up-track of the Geotech have been removed from the John Holland Laing O'Rourke (JHLOR) Environmental Protection Licence (EPL) Premise Maps.</li> </ul>			
<b>Key Construction Activities Look Ahead</b>			
<ul style="list-style-type: none"> <li>▪ Geotechnical Area: Final gate design and installation</li> <li>▪ Way Street &amp; XPT Laydown Areas: Preparation for formal handover to Sydney Trains</li> <li>▪ Carrington Road Laydown: Spoil load-out to Gateway ongoing prior to handover to Sydney Water</li> <li>▪ Ongoing defect work.</li> </ul>			
<b>Summary of Environmental Performance</b>			
<p>The scope of works conducted during the reporting period was small and low risk. The project is winding down with most project scope complete, with mainly defects remaining. The project site is being maintained well and the new Sydenham Station structure, plazas, heritage interpretation features, and landscaping are looking very stylish. The Environmental Representative (ER) is waiting on the completion of all scope and spoil load-out from laydown areas before handover and condition completion is finalised.</p>			
<b>ER Inspections</b>			
<p>There were no ER inspections conducted by the ER in May 2022 due to minimal activity. There are some actions from previous inspections that remain open until the handover process has been finalised:</p> <ul style="list-style-type: none"> <li>▪ The removal of graffiti on Bedwin Road bridge, Sydenham Pit Pump House and on the confluence structure.</li> </ul>			
<b>Endorsed Document/s</b>			
<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>			
<b>Non-compliance/ Incidents or Repeat Complaints</b>			
<p>Sydney Metro has been providing summaries of complaints to The Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for SSJ.</p> <ul style="list-style-type: none"> <li>▪ The ER is not aware of any non-compliances for SSJ during the period.</li> <li>▪ There were no incidents for SSJ reported to the ER under conditions A41 of SSI 7400.</li> <li>▪ There were no minor Class 3 environmental incidents reported to the ER during the period.</li> <li>▪ The ER is not aware of any complaints during May 2022 that could be attributed to the SSJ works.</li> </ul>			
<b>Audits</b>			
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>			
<b>Looking Forward – Core Focus Areas</b>			
<ul style="list-style-type: none"> <li>▪ Completion of selected Conditions of Approval and Revised Environmental Mitigation Measures</li> <li>▪ Completion of the SSJ Compliance Tracking Report (CTR) Q1 2022</li> </ul>			



### 3. Line Wide (Tallawong to Bankstown)

Project Approval/ EPLs	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF) EPLs – 21423/ST EPL 12208	Line Wide (Tallawong to Bankstown)	Swathi Gowda (North /South) George Kollias (Alternate ER)

#### Key Construction Activities During the Period

##### Key Construction Activities below:

##### **Northern Hub (Incorporating Chatswood Dive Site, Northern Connection, Hopetoun Ave and Valetta Lane)**

##### **Chatswood Dive Site (CDS)**

- Northern dive building - FRP works ongoing
- Northern dive building - Mechanical and electrical works ongoing in Plant/Fan Rooms

##### **Northern Connection**

- Works underway for the final track slab concrete pour
- Ongoing works to the administration /services building
- Site clean-up scheduled post concrete pour

##### **Artarmon Traction Sub-station (TSS)**

- External landscaping

##### **Operation of compound and laydown at Belmore Compound**

##### **SW Corridor Traction Substation sites**

- Punchbowl TSS
  - Modular buildings and transformers delivered/ installed during WE45 possession
- Lakemba TSS
  - Steel columns installed on track side during WE45 possession
  - Structural steel and electrical work in progress
  - Cable ladder installation within TSS building
- Campsie TSS (no external works at time of inspection; works limited to TSS buildings):
  - Transformer delivered/ installed during WE45 possession
  - Façade installation progressing
  - Electrical fit out works within TSS buildings
  - Testing and commissioning
- Canterbury TSS
  - Drainage scope completed
  - Structural steel works commencing
  - Cable tray installation and Cable pulling
  - Installation of steel walkways and posts on sides of TSS buildings
- Dulwich Hill TSS no works -site closed; inspected site access/egress only

##### **Canterbury to Campsie BPS**

- Pat O'Connor (POC) Reserve, Canterbury:
  - Cable bridge works completed
  - Restoration works
- Campsie BPS Joint Bay worksites (Anzac St, Cooks Ave and Gould St)
  - Extent of damaged cables removed from all three JB worksites
  - Dewatering and cable pulling scheduled

##### **Southern Dive & SMTF South Marrickville:**

- Operational WTP – roof installation, crack testing for clarifier tank scheduled. Note that this was not confirmed at the inspection.
- Administration Building – cladding, electrical cable installation and mechanical works ongoing
- Maintenance Building – structural steel, roof mesh installation and cable containment works ongoing
- Stabling Yard - capping and grading works ongoing
- Track slab FRP works ongoing



- FRP works underway for Platform/Walkway
- Southern Dive Services Building – gutter installation works
- Southern Dive Services Building - blockwork largely completed with infilling works underway
- Southern Dive Transformer Yard – structural steel installation underway
- Southern Dive Ridge Room and DC Links Room – roof installation works underway

**Key Construction works/activities Look Ahead**

Look-ahead of upcoming activities /works:

- Surry Hills BPS works in June during Standard Construction Hours and OOHWs (between 5 -14<sup>th</sup> Jun 22); cable pulling works at 3 locations – Randle Ln, Elizabeth St and Belmore St
- Blues Point streetscaping works
- Campsie BPS Joint Bay cable removal cable pulling and dewatering works (Standard Construction Hours) – anticipated completion mid-June 2022.
- OOHW Campsie BPS Joint Bay dewatering works (contingency OOHW for dewatering, dependant on wet weather) extended to mid-June.
- Compliance Tracking Report (CTR) - Q1 2022 CTR reporting and review process for LWW ongoing
- Midyear shutdown possession (2 July 2022 to 14 July 2022) planning, coordination meetings for discussion of scope, associated OOHWAs/noise modelling including cumulative impacts anticipated.

**ER Inspections**

There were four ER inspections conducted by the ER in May 2022 (10/05/22; 17/05/22; 24/05/22; 30/05/22). Key issues and actions raised are summarised below:

**Southern Dive, SMTF South, BPS works and Barangaroo Shaft:**

**ER Inspection #110 - SMTF S, BPS works and Barangaroo Shaft – 17/05/22 (Tuesday)**

**Southern Dive & SMTF South Marrickville:**

- Due to heavy rain and internal site run off, there was a significant volume of mud slurry along the internal roadway. The management of this was discussed at some length by the ER, the site supervisor, SC EM and SC EC. Once dry, tracked mud is reported to be cleaned up using the site street sweeper. Whilst not observed in action, SC committed to actioning the clean-up of the tracked mud on the hardstand to minimise the potential for dust as the site dried out.
- Near the former site sheds, a row of fill material had been placed in a sizeable berm. The berm was not covered and wind-blown dust was observed coming off the uncovered berm and the adjacent hardstand. Agreed actions are to cover the berm and removed tracked mud on the hardstand to minimise the potential for dust as the site dried out.
- Empty drum of hardener to be removed and correctly stored or disposed of. Action raised and closed out by SC.
- A poorly established concrete slurry washout noted in the far western portion of the site. No immediate environmental risk was observed however it was clear that improvements to the set-up of the wash out area could be made to reflect best practice requirements. SC were asked to review the set-up, confirm what practices had been committed to in the environmental plans and then implement improvements.

**Barangaroo Shaft**

- Minor spill of diesel observed in the tunnel at Barangaroo. Some evidence that some absorbent pads had been applied however further clean-up was required (including removal of the dirty pads). The fuelling station should be bunded. Systems Connect were to raise an incident report.
- A number of cigarette butts were observed by the SC Environment Manager at the entry to the site. It is recommended that it is confirmed that adequate facilities for cigarette disposal are present and that site workers are tool boxed on using them.

**ER Inspection #111 - Northern Hub and Artarmon – TSS 24/05/22 (Tuesday; rain 0.0 mm rain since 9am however rain 30.8mm in the previous 24 hours)**

**Northern Hub**

- Storage Yard between Spoil shed, logistics shed and the water treatment area – Excessive amount of silt/slurry observed at the exit of the Logistics Shed near the pick-up sump of the water treatment plant. SC investigated this and it was agreed at the time of inspection that this would be cleaned up from the hardstand areas.

**SW Corridor Traction Substation sites**

**ER Inspection #109 and #112 – 10/05/2022 and 30/05/22) (Tuesdays)**

Campsie TSS





- ESC maintenance actions raised for damaged coir log noted near site access to be replaced and geofabric to be pulled back/reinstated on batter.

**Belmore St Compound**

- Material stored near small tree (on rail corridor side of fence), to be removed.
- Discussed and agreed with SC regarding some general housekeeping required (emu pick of litter) within compound.

**Punchbowl TSS**

- Topsoil laid recently for landscaping of small section along road verge. SC to install jute mesh.

**Dulwich Hill TSS (no works -site closed; inspected site access/egress only)**

- Discussed installation of sediment controls in area near site access (appeared to have been recently re-shaped/graded for works within site), removal of some sediment in gutter and some mud spots on road surface near site access.
- SC informed the ER that DGB had been laid and area re-graded further to minimise erosion, in addition to sediment controls placed alongside the fence following last ER Inspection. Minor sediment and damaged bag noted in gutter, to be removed.

**Photos**



**Punchbowl TSS:** Modular buildings and transformers delivered/ installed during WE45 possession



**Campsie TSS:** Façade installation commenced (6 concrete panels installed in WE45 possession).



**Canterbury TSS:** ESC noted to be installed along sections of the site and general housekeeping in this area was observed to be good (positive observation).



**Pat O' Connor Reserve:** Noticeably green growth in the areas that had been spray seeded.



**Southern Dive** - This image shows acoustic insulation installed to the roof of one of the levels of the M&E building.



**Northern connection:** Final track slab form can be seen to the rear right of this image.



**Artarmon TSS** - Final landscaping underway.



**Campsie TSS** - Concrete panels for façade installed

Endorsed Document/s





- OOHW-215 Campsie BPS Joint Bay Dewatering Rev02
- OOHW-216 Campsie BPS Traffic Control and Dewatering on South Parade Rev02
- OOHW-224 WE45 Punchbowl Padmount Transformer Crane Lift
- OOHW- 223 Surry Hills BPS Weekend Works June 10 to 14 2022 Rev C
- OOHW- 225 Surry Hills BPS Randle Lane Nightworks June 2022 Rev C
- OOHW -226 Surry Hills BPS Belmore St Joint Bay Dewatering Rev C
- OOHW - 215 Campsie BPS Joint Bay Dewatering Rev04

**Non-compliance/ Incidents or Repeat Complaints**

Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.

There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.

The following minor incidents (Class 3 events) reported to the ER, for this reporting period.

- 17/05/22 – Barangaroo Shaft – Class 3 - Whilst refuelling a fuel/jerry can at the track level at Barangaroo shaft, approximately 0.3 L of fuel (Diesel) spill occurred on the hardstand surface of the tunnel. Spill kit materials were deployed to successfully clean up the fuel spill. The spill was limited to the hardstand surface of the tunnel and the spill did not enter any drains).
- 27/05/2022 – Campsie TSS – Class 3 - A minor hydraulic oil leak (<5 L) occurred from a failed fitting and section of tubing on the crane. Crane stopped and Spill kit deployed. Spill contained on the road surface directly beneath the crane and cleaned up. No resultant pollution.

One non-compliance was reported to the ER in this reporting period, following a complaint on 28/05/22.

- 28/5/22 – Valetta Lane - Saturday 28/5/22 at 6:30am, a subcontractor (DMT) accessed the Valetta Lane site without SC's knowledge and picked up an excavator (outside of approved hours) at his own discretion not knowing any restrictions applied. The driver did not have site pre-approval and did not check if restrictions applied to the site. A community complaint resulted and stakeholder complained regarding noisy trucks idling outside his home in the morning (refer 28/05/22 complaint below). The sub-contractor has raised preventive actions that all deliveries to be booked in and approved. SC has drafted a toolbox and requested this be delivered to all DMT personnel involved with Line-wide works. SC has also issued a reminder to DMT that all personnel accessing project areas must complete project inductions.

**LW Northern Sites - Complaints:**

- 03/05/22 - Waterloo LWW – 1 X complaint about worker behaviour - vehicle was parked on a private residential parking by SC worker.
- 28/05/22 - Northern Connection (Chatswood) – 1 x complaint - Noise & Vibration – OOHW/Standard hours - resident complained about noisy trucks idling outside his home in the morning during the week and then also on Saturday morning at 6.30am (outside approved construction hours).

**LW Southern Sites - Complaints:**

- 05/05/22 – Lakemba TSS - 1 complaint about Utility Supply interruptions - Resident's enquiry become a complaint due to air conditioners making a fluttering noise after they said they were taken off mains and onto generator power.
- 07/05/22 – Punchbowl TSS – 1 complaint - Traffic, Transport & Parking – Complainant concerned no traffic controllers were in place at closed roads to allow local traffic in and out.
- 07/05/22 – Campsie to Canterbury power upgrade – 1 x complaint - Traffic, Transport & Parking -Local driver failed to follow traffic controller's directions at the joint bay site - ran into a detour sign, exited vehicle, checked for damage on their car and abused traffic control workers. Local driver was encouraged to make a formal complaint (yet to be received).
- 08/05/22 – Campsie TSS – 1 complaint - Flora & Fauna; Traffic, Transport & Parking; Worker behaviour - Resident complained about idling truck for longer than it should, worker behaviour and allegedly being sworn at, truck clipping trees and amount provided by offers of respite.
- 12/5/2022 - Canterbury (BPS works) - 1 complaint - Property - Access; Traffic, Transport & Parking - Project team was contacted by the resident regarding a parking fine they received. In addition, the resident sent photos (date stamped 16 Feb 2022) of loose nails allegedly from the worksite that appear to have punctured their car tyre and raised complaints about their driveway continuously being blocked by joint bay work.
- 24/05/22 – Dulwich Hill TSS – 1 complaint - Structure design - Stakeholder raised concerns about the height of the precast walls from the substation behind their property.



- 25/05/22 – Canterbury (BPS works) - 1 complaint - related to Traffic, Transport & Parking - Stakeholder wanted to know when the joint bay would be closed so the parking situation on their street could return to normal.

**Complaints unrelated to SM/SC activities:**

- 25/05/22 - Marrickville Dive
- Dewar Street without prior Site & SMTFS -1 complaint - regarding waste management
- 07/05/22 – Campsie TSS – 1 complaint - Traffic, Transport & Parking - Operations Manager at Campsie RSL complained about road closure at notification.

**Audits**

- Nil this reporting period

**ER Closing Comments and Looking Forward – Core Focus Areas**

- Complaints in the Southwest Corridor in reporting period were noted around WE45 possession works.
- Current works at LWW sites continue to be managed appropriately; with some sites transitioning to low environmental risk (for e.g. Artarmon TSS, Campsie TSS, Blues Point)
- Overall, the Project performed well in reporting period. ER Inspections across this month identified some actions/minor improvements.
- The Project Team continue to be responsive to queries/comments raised in document reviews and recommendations made by the ER.

Looking forward:

- Surry Hills BPS works in June during Standard Construction Hours and OOHWs (between 5 -14<sup>th</sup> Jun 22); cable pulling works at 3 locations – Randle Ln, Elizabeth St and Belmore St.
- Ongoing Campsie BPS Joint Bay cable removal cable pulling and dewatering works (Standard Construction Hours) - anticipated completion mid-June 2022.
- OOHW Campsie BPS Joint Bay dewatering works (contingency OOHW for dewatering, dependant on wet weather) – OOHWA extended from mid Apr- mid May to mid-June). As per the ER’s OOHWA condition, SC is required to provide a weekly progress report of any OOHW for dewatering. To date SC has reported no OOHW undertaken for dewatering. Continue to monitor actual OOHWs undertaken in June through weekly progress report updates from SC to the ER.
- Midyear shutdown possession (2 July 2022 to 14 July 2022) planning, coordination meetings for discussion of scope, associated OOHWAs/noise modelling including cumulative impacts anticipated.



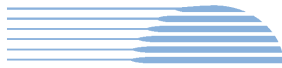


#### 4. Train Service Operation and Maintenance (TSOM)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Train Service Operation and Maintenance (TSOM)	Swathi Gowda (North /South) George Kollias (Alternate ER)
<b>Key Construction Activities During the Period (May 22)</b>		
<ul style="list-style-type: none"> <li>▪ <b>SMTF North:</b> Dynamic train testing between SMTF North and Chatswood</li> <li>▪ <b>SMTF South:</b> Cable fit out in the Administration Building</li> <li>▪ <b>Artarmon Substation:</b> Testing and commissioning works</li> <li>▪ <b>Northern Corridor:</b> WE45 possession – asset relocation</li> <li>▪ <b>Southwest substations:</b> Installation of communication equipment and cables at Campsie Traction Substation</li> <li>▪ <b>Tunnels:</b> Installation of cables and trackside equipment in tunnels and Cross Passages (XPs)</li> </ul> <p><b>Stations</b></p> <ul style="list-style-type: none"> <li>▪ Central: Installation of Platform Screen Doors (PSD) and communications equipment</li> <li>▪ Waterloo: Installation of PSD and communications equipment</li> <li>▪ Sydenham: Installation of Platform Edge Barriers, communications equipment, testing and commissioning work</li> <li>▪ Crows Nest: Access - end of May or early June (TBC). First activity - fit out in equipment rooms</li> <li>▪ Victoria Cross: Installation of PSD, communications equipment and cables</li> <li>▪ Martin Place &amp; Pitt Street: Survey, delivery of materials, installation of PSD, communications equipment and cables</li> </ul>		
<b>Key Construction Activities Look Ahead - June 2022</b>		
<ul style="list-style-type: none"> <li>▪ <b>SMTF-North:</b> Dynamic train testing between SMTF North and Chatswood</li> <li>▪ <b>SMTF-South:</b> Cable tray installation in Administration Building</li> <li>▪ <b>Southwest Substations:</b> Installation of new communication equipment inside the Traction Substation at Campsie and Canterbury in June</li> <li>▪ <b>Northern Corridor:</b> WE51 Possession – Cable pulling</li> <li>▪ <b>Artarmon Substation:</b> Testing and commissioning</li> <li>▪ <b>Tunnels -</b> Ongoing installation of cables and trackside equipment in tunnels and XP</li> </ul> <p><b>Stations</b></p> <ul style="list-style-type: none"> <li>▪ Central: PSD, communications equipment and cable installation</li> <li>▪ Waterloo: PSD, communications equipment and cable installation</li> <li>▪ Sydenham: Platform Edge Barriers (PEB) installation (fixed glass panels), testing and commissioning of communications equipment</li> <li>▪ Crows Nest: Cable containment, equipment/cabinet installation and cabling. Inspections of equipment rooms</li> <li>▪ Victoria Cross: PSD, communications equipment and cable installation</li> <li>▪ Barangaroo: Cable termination room inspections (subject to access). Works expected to commence in July 2022</li> <li>▪ Martin Place: PSD, communications equipment and cable installation</li> <li>▪ Pitt Street: Installation of cables and fit out of communications rooms. PSD installation scheduled for mid-June</li> </ul>		
<b>ER Inspections</b>		
<ul style="list-style-type: none"> <li>▪ No ER inspections conducted in May 2022.</li> </ul>		
<b>Photos</b>		
<ul style="list-style-type: none"> <li>▪ Not Applicable</li> </ul>		
<b>Endorsed Document/s</b>		
<ul style="list-style-type: none"> <li>▪ Minor works approval extension (300522).</li> </ul>		
<b>Non-compliance/ Incidents or Repeat Complaints</b>		
<p>Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.</p> <ul style="list-style-type: none"> <li>▪ The ER is not aware of any complaints or non-compliances. There were no incidents for TSOM reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.</li> </ul>		



<b>Audits</b>
▪ No audits proposed
<b>Looking Forward – Core Focus Areas</b>
Development of TSOM Internal Compliance Tracking Register (CTR) by the Contractor for three planning approvals (progressing).



## 5. ISDs

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) (Does not include associated SSDs)	Martin Place ISD Macquarie Bank/Lend Lease	Michael Woolley / Rui Henriques
	Victoria Cross ISD (VC-ISD) - Lend Lease	Swathi Gowda / Michael Woolley
	Crows Nest ISD – AW Edwards	Rui Henriques / George Kollias
	Pitt Street ISD – CPB Contractors	Rui Henriques / Michael Woolley
	Waterloo ISD – John Holland	George Kollias / Swathi Gowda
<b>Key Construction Activities During the Period</b>		
<b>MP-ISD</b>		
<p><b>Bligh Street:</b></p> <ul style="list-style-type: none"> <li>▪ Concrete deliveries and pumping. Various other deliveries.</li> <li>▪ Ongoing operation of the Water Treatment Plant (WTP) and discharge of water to stormwater.</li> </ul> <p><b>Martin Place South (MPS)</b></p> <ul style="list-style-type: none"> <li>▪ Ongoing construction (FRP) of walls; columns, beams and floor slabs</li> <li>▪ Jump form use – to height of surrounding streets.</li> <li>▪ Other general construction activities.</li> <li>▪ Pumping of water to MPN WTP.</li> <li>▪ Utilities and hoarding works (OOHWs)</li> </ul> <p><b>Martin Place North (MPN)</b></p> <ul style="list-style-type: none"> <li>▪ Various building work activities ongoing such as FRP for columns; lift shafts; walls; floor slabs and other various items. Various works well above street level (to level 8).</li> <li>▪ Adjustment of hoarding along Elizabeth Street in preparation to construct a working lane off Elizabeth Street.</li> </ul> <p><b>Station Caverns and Adits</b></p> <ul style="list-style-type: none"> <li>▪ Installation of ventilation/exhaust systems</li> <li>▪ Other fit out activities including installation of panelling, services and fire safety systems.</li> <li>▪ Line Wide works in the station caverns – separated from Lend Lease activities.</li> </ul>		
<b>VC-ISD (update from Contractor)</b>		
<p><b>Construction Activities:</b></p> <p>VC North:</p> <ul style="list-style-type: none"> <li>▪ Structural works within shaft, concrete pours/steel fixing/formwork (up to B04). FRP for walls near to the surface.</li> <li>▪ Waterproofing</li> </ul> <p>Station Cavern:</p> <ul style="list-style-type: none"> <li>▪ Trackway handed over to Line Wide</li> <li>▪ Blockwork and GRC panels installation</li> <li>▪ Station fit-out</li> </ul> <p>VC South:</p> <ul style="list-style-type: none"> <li>▪ Ongoing FRP for carpark and station slabs, walls and columns.</li> <li>▪ Jumpform pours and lift</li> <li>▪ Waterproofing</li> <li>▪ Blockwork</li> <li>▪ Fit out</li> </ul>		
<b>CN-ISD</b>		
<ul style="list-style-type: none"> <li>▪ Waterproofing, steel fixing and shuttering (Sites A - C)</li> <li>▪ Surplus materials excavation of Site C completed</li> <li>▪ Concrete pumping from Pacific Highway and pouring</li> <li>▪ Services, finishes and fit out of B5 platform, B4 OTE, B3 plant room.</li> <li>▪ Line Wide works on B6 (Platform) including concrete pouring from Clarke Lane</li> <li>▪ B2 Girder Deliveries completed</li> <li>▪ B2 slab FRP and concrete pours</li> <li>▪ B2 to B1 Perimeter walls FRP and concrete pours</li> <li>▪ B3 internal structural wall FRP and pours</li> <li>▪ B3 internal pre-cast walls erection</li> </ul>		



<b>PS-ISD</b>
<b>Pitt Street North</b> <ul style="list-style-type: none"><li>▪ Fire Stairs 6 Jump-form</li><li>▪ Level 2 Formwork and steel-fixing (30% complete)</li><li>▪ Capping beam demolition along Park Street – ongoing. Depending on progression of slabs overhead.</li><li>▪ Complete Infill slabs – tidying up</li><li>▪ Stretcher scaffold being dismantled</li></ul>
<b>Pitt Street South</b> <ul style="list-style-type: none"><li>▪ Tunnel ventilation jumpform dismantle</li><li>▪ Central jumpform dismantle</li><li>▪ Level 2 (south and central) and Level 3 FRP</li><li>▪ Blockwork on Levels B02 and B1.</li><li>▪ Continue with services works on Level B1 (B4 to B2 complete)</li><li>▪ B04 – Front of house fit out ongoing.</li><li>▪ Installation of precast façade elements (Pitt Street)</li><li>▪ Installation of HVAC System on B1</li><li>▪ Mechanical, electrical and plumbing services from B4 to B2</li></ul>
<b>Adits and Platform Caverns</b> <ul style="list-style-type: none"><li>▪ GRC (lower internal cladding) panel installation ongoing.</li><li>▪ Installing cladding subframes above GRC panels</li><li>▪ Platform Screen door cladding</li><li>▪ Services rough in</li></ul>
<b>WL-ISD</b>
<ul style="list-style-type: none"><li>▪ Electrical utility and water utility works ongoing in local roads around site by subcontractors</li><li>▪ Continued use of Cope St Closure for crane activities</li><li>▪ Ongoing FRP and beam install for Ground Level slabs</li><li>▪ Delivery of columns via jinkers and crane into position at south end of site</li><li>▪ Scaffolding and acoustic blankets around Above Ground Service Building</li><li>▪ B2 / B3 blockwork and back of house electrical and hydrant fit out</li><li>▪ Platform Level fitout with cladding and escalator commissioning</li><li>▪ Platform screen doors and trackworks by Others</li></ul>
<b>Key Construction/Activities Look Ahead</b>
<b>MP-ISD</b>
<ul style="list-style-type: none"><li>▪ Activities as described above ongoing.</li><li>▪ OOHs relating to utilities and hoarding.</li><li>▪ Construction of working area off Elizabeth Street</li></ul>
<b>VC-ISD</b>
<ul style="list-style-type: none"><li>▪ Victoria Cross South - OOH (night works) stormwater upgrade works on Miller Street continuing (Jun 22)</li><li>▪ Victoria Cross North site – OOH works (evening/ weekend day OOH) - structural and fit-out works within the north shaft, with supporting activities at the north yard (now extended to continue across May – Jun 22)</li><li>▪ Victoria Cross North site – OOH night works for hoarding installation along McLaren St (total 5 eve/nights in June/July)</li></ul>



**CN-ISD**

- Waterproofing, steel fixing and shuttering (Sites A - C).
- B4 OTE
- B2 slab FRP and concrete pours
- B2 to B1 Perimeter walls FRP and concrete pours
- Concrete pumping and pouring from Pacific Highway
- Services, finishes, and fit out of B5 (platform), B4 OTE, B3 and B4 plant rooms.
- Interface- Line Wide works on B6 (Platform) including concrete deliveries on Clarke Lane
- Demolition of Clarke Lane (Over Site C) and Hume Street Bridges

**PS-ISD**

## Pitt Street North

- Level 2 FRP completion and Level 3 FRP commencement
- Continuing with Level 2 and Level 3 pours
- Blockwork up to B1
- Stripping for levels below B1
- Services install for B4 – B2
- Installing formwork for main jumpform (kicker walls). L3 – L4

## Pitt Street South

- Façade precast install on Bathurst Street
- Removal of jumpform for south ventilation shaft (works now complete)
- FRP Level 4
- New Tower Crane (TC02) being installed (to be delivered)
- Blockwork continuing B1
- Services (M.E.P) continuing at B1
- Hoist being installed
- Level 3 slab pours - ongoing

## Adits and Platform Caverns

- GRC (lower internal cladding) panel installation ongoing.
- Installing cladding subframes above GRC panels
- Platform screen doors cladding over being installed
- Site accommodation being built
- Services rough-in

**WL-ISD**

- Use of Cope Street closure by both ISD and Linewide Contractors
- Ongoing utility works ongoing in local roads around site, including OOH
- Ground Level, Level 1 and Level 2 concreting works



<b>ER Inspections</b>
<b>MP-ISD</b>
<p>There were no ER inspections conducted by the ER in May. Inspections are now conducted monthly, with an inspection conducted on 29th April 2022 and the following on 3rd June 2022. A planned inspection on 27 May was postponed one week due to illness of one inspection participant from Sydney Metro. The inspection on 3rd June identified one issue related to lack of secondary containment for small chemical containers.</p> <p>Lend Lease reported that water treatment plant operations had continued to keep up with the elevated rainfall received during the month.</p>
<b>VC-ISD</b>
<p>Two ER inspection conducted by the ER on 03 May 2022 and 24 May 2022 (Tuesdays) (ER inspections are on a three weekly cycle weather permitting). The following issues were raised as actions for the Contractor to address:</p> <ul style="list-style-type: none"><li>• Noted sand from previously damaged sediment bags remains in area.</li><li>• Discussed minor tidy up required on Miller St either through handheld sweeping or by mobilising a sweeper.</li><li>• Minor tagging observed on site hoarding.</li></ul>
<b>CN-ISD</b>
<p>There were two ER inspections on 11 May 2022 and 25 May 2022 respectively (ER inspections are on a fortnightly cycle weather permitting). Both inspections were conducted by the ER. The following issues were raised:</p> <ul style="list-style-type: none"><li>▪ AWE to implement measures/procedures that ensure concrete washout containers are emptied more regularly, and are covered when wet weather is forecast.</li><li>▪ General decline in attention to housekeeping throughout the site since the previous inspection to be addressed.</li><li>▪ AWE to review EWP procurement and ensure only broadband alarms are used.</li><li>▪ Polystyrene foam waste to be cleaned up. Implement measures to control foam degradation and waste generated after use</li></ul>
<b>PS-ISD</b>
<p>There were two ER inspections conducted by the ER on 3 May and 24 May 2022 (ER inspections are on a 3 weekly cycle weather permitting). There were no issues raised during the inspections.</p>
<b>WL-ISD</b>
<p>There was one ER inspection conducted by the ER on 12/05/2022 (ER inspections are on a 3 weekly cycle weather permitting). ER Inspection undertaken concurrent to DPE Site Inspection walk.</p> <p>The key points raised at this inspection were:</p> <ul style="list-style-type: none"><li>▪ No issues raised by DPE Representatives</li><li>▪ Observe scaffold and acoustic scaffold sheeting installation. JHG advise up to 10dB reduction in noise may be possible</li><li>▪ Observe fit-out of Platform Level and discuss interfaces with Linewide and TSOM. Note with DPE that noise from fit-out of station is not significant once above ground level slab</li><li>▪ Discuss hardstand access, entry &amp; exit gates for deliveries and to prevent reversing movements out of site gates</li><li>▪ Discuss water management and Water Treatment Plant (WTP) for all site water and rainwater</li><li>▪ JHG discussing upcoming Capping Beam demolition work with Acoustic Advisor (AA)</li></ul>



**Photos**

**MP-ISD**



**Martin Place North – from Castlereagh Street**



**Martin Place North – Formwork for Level 8 (above the SSI level).**



**Martin Place North – new pedestrian footpath being constructed adjacent Elizabeth Street**



**Bligh Street - Concrete Pumping**



**Caverns – fit out**



**Martin Place South – FRP works ongoing**





**VC-ISD**



**Victoria Cross North: Level B4 - Steel fixing works in progress**



**Victoria Cross North: Slip Form at Level B2**



**Station Cavern: Installation of lift risers.**



**Station Cavern: GRC panel installation and cladding progressing.**



**Victoria Cross South – Station Entry: Jump form and general FRP operations ongoing.**



**Victoria Cross South – Berry Street: Concrete pumping activities from Berry Street**





<p><b>CN-ISD</b></p> 	
<p><b>Clarke Lane – Concrete washout container at capacity and needing cover</b></p>	<p><b>Level B2 – Polystyrene foam waste to be cleaned up</b></p>
	
<p><b>Level B2: Tonal alarm on EWP.</b></p>	<p><b>Site C – Steel fixing</b></p>
	
<p><b>Site A view North - B2 Slab steel fixing and formwork</b></p>	<p><b>Level B2 view South – Slab Steel fixing and formwork</b></p>
	
<p><b>Level B5 (Platform) - Construction of escalator support structure</b></p>	<p><b>South Level B3 Internal precast walls erection</b></p>





**PS-ISD**



**Pitt St South (PSS): Level 3.**



**PSS: Core jump form Level 5.**



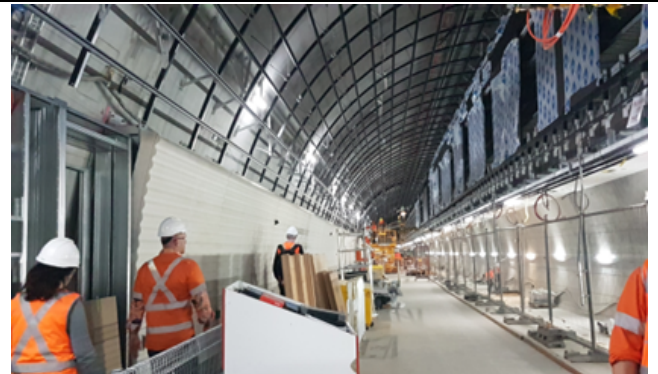
**PSS - Ventilation shaft jump-form dismantle.**



**PSS B4 HVAC installation**



**East Adit: OTE Cladding installation above platform doors**



**East Adit: Structure for upper cladding panels**



**Southern Cavern: Services installation.**



**PSN: Southwest Level 2 FRP**





**PSN south-eastern side: Central kicker wall FRP**

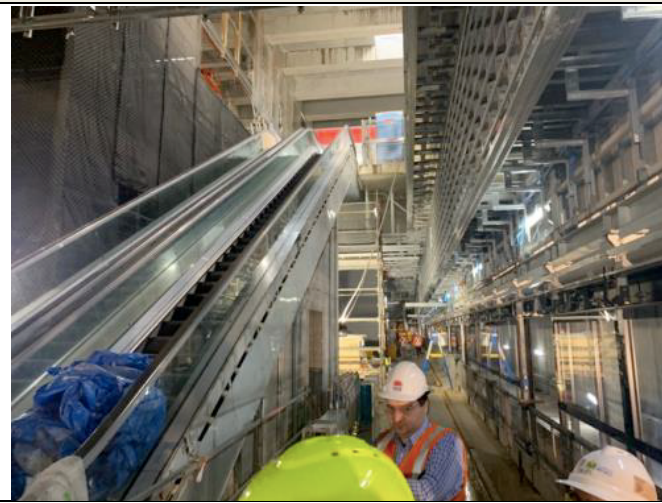


**PSN: B2 Southern wall steel fixing for shotcrete**

**WL-ISD**



**DPE Site Inspection undertaken. ER Inspection undertaken concurrent to DPE Site Inspection walk. Discuss current and upcoming works. No issues raised by DPE Representatives**



**Observe fit-out of Platform Level. Discuss interfaces with Linewide for trackwork and TSOM for platform screen doors. Note with DPE that noise from fit-out of station is not significant once above ground level slab**



<b>Endorsed Document/s</b>
<b>MP-ISD</b>
<ul style="list-style-type: none"> <li>▪ OOHW 094: North Site Hoarding Works (Rev 6)</li> </ul>
<b>VC-ISD</b>
<ul style="list-style-type: none"> <li>▪ VCISD - OOHW18 - Miller St stormwater works Rev 5</li> <li>▪ OOHW21 - McLaren St Hoarding Installation Rev 1</li> <li>▪ CTR Q1 2022</li> </ul>
<b>CN-ISD (all by ER)</b>
<ul style="list-style-type: none"> <li>▪ Extension of approval of Clarke Lane minor Ancillary Facility to 1 July 2022 to align with extension to ROL</li> <li>▪ Consistency assessment for Extension of Hume Street bridge occupancy to 31 December 2022</li> </ul>
<b>PS-ISD (all by ER)</b>
<ul style="list-style-type: none"> <li>▪ Changes to OOHW 035 – OOHW April to June 2022, to added a lighting tower at Pit Street North</li> <li>▪ OOHW 038 – Utilities investigations at both sites (PSS and PSN)</li> <li>▪ CTR Q3 2021</li> <li>▪ CTR Q4 2021</li> </ul>
<b>WL-ISD</b>
<ul style="list-style-type: none"> <li>▪ OOHWA #35 Botany Road Crossing</li> <li>▪ OOHWA #27 Sydney Water Cutover Rev 00</li> <li>▪ OOHWA #35 Botany Road Crossing Rev B</li> <li>▪ OOHWA #37 Wellington St Utility Crossing Rev B</li> <li>▪ OOHWA #39 June, July &amp; August (Utilities) Rev A</li> </ul>
<b>Complaints / Incidents / Non-compliance</b>
<ul style="list-style-type: none"> <li>▪ ALL</li> </ul> <p>Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Complaints are discussed where relevant for each package below.</p> <p>There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. Where the ER is aware of minor events and non-compliances, these are as documented below.</p>
<b>MP-ISD</b>
<p>One Non-Compliance was reported by Lendlease on 6<sup>th</sup> May 2022 regarding NATA calibration of the continuous noise monitoring equipment within 50 Martin Place. Lendlease reported that the NATA calibration hadn't been carried out within the required two-year period. Appendix E of the Construction Noise and Vibration Management Plan defined calibration requirements. The CNVMP is required under Condition C3(a).</p> <p>There were no complaints reported to have been received by Lendlease during the reporting period.</p>
<b>VC-ISD</b>
<p>Nil incidents or non-compliances reported to the ER during this reporting period. There were two Project related complaints (summarised below) during the reporting period relating to:</p> <ul style="list-style-type: none"> <li>▪ 4/5/2022 - Noise &amp; Vibration – OOHW- Complaint received from Vibe Hotel Maintenance Manager regarding noise overnight impacting guest stay. Wanted more details about the work to manage guests and to minimise the impacts.</li> <li>▪ 26/5/22 - Noise &amp; Vibration – OOHW - Complaint received regarding noise from the south site on Tuesday 24.5.22. Resident asking why works were being conducted on site at 10:45pm, if that time was approved working hours.</li> </ul>



**CN-ISD**

There were no non-compliances/incidents reported to the ER. There were five complaints during the period relating to:

- 4 May - Stakeholder called to express dissatisfaction with Noise coming from outside throughout the night including beeping and machinery sounds. On inspection, there appeared to be road re-sheeting work occurring on Oxley and Nicolson Streets by Lane Cove Council. Stakeholder agreed it was likely Lane Cove Council, and will follow up with Council.
- 9 May - Stakeholder contacted Sydney Metro regarding lost power to building over last three evenings since Saturday 7 May. Upon investigation, the stakeholder was informed that it was not Sydney Metro related. Stakeholder was satisfied with response.
- 11 May - Stakeholder informed that they could hear workers during girder deliveries. Upon investigation Project contacted stakeholder, discussed activities and agreed on use of additional staff and walkie talkies to limit any need for shouting during girder deliveries.
- 27 May - Stakeholder advised she is dissatisfied with response received relating to a conversation had with the Crows Nest Station Place manager as part of a consultation doorknock. Issues relate to ongoing noise and dust issues that stakeholder believes is caused from work site. Also, an enquiry was raised in relation to a respite offer made by former contractors (John Holland) to treat/sound proof windows. Place Manager Offered onsite noise monitoring at stakeholder's premises and on SM advice emailed stakeholder suggesting they contact Sydney Metro directly relating to the details of the respite offer presented to some stakeholder in the past by previous contractors. Complaint remains open until noise monitoring at the stakeholder's premises

**PS-ISD**

There were no non-compliances and 3 incidents were reported to the ER:

- 7 May – Concrete vibrator use resulted in noise levels above those predicted in the CNVIS due to the vibrator contacting structural surfaces, which coupled to adjoining structures propagating ground borne noise. Although alarms were generated those alarms were not attended to, and the vibrator was not moved away from the surface in question, resulting in a Noise complaint.
- 14 May - During a concrete pour at Ground Level of Pitt Street South there was a spillage of concrete slurry from the site under the hoarding and on to the footpath of Pitt Street at the Pitt Street South site. CPB Supervision team reacted immediately to the slurry spill and were able to contain the volume (approximately 5 litres) before it entered the roadway and stormwater drain. Due to the minor nature of the spill no further controls were required to contain the spill.
- 26 May - CPB was informed by Castlereagh Boutique Hotel that concrete slurry had been spilled from the Pitt Street North site onto the southern light well of the hotel. No run-off occurred with the concrete hardening in place within two drains. There was no impact to the heritage value of the building. Heritage consultant Graham Brooks confirmed that there was no apparent damage to any quality finishes, materials or equipment within the light well that make any contribution to the heritage significance of the building. The root cause of this incident is still under investigation

There were 8 complaints during the period relating to noise.

- 7 May - Complaint regarding noise at 6am on Saturday morning, and advised the noise was from a machine, however couldn't see it. CPB comms investigated noise complaint and confirmed the noise was from a concrete vibrator during a concrete pour approved under an OOHW approval. However, an incident report, described above, was initiated to investigate the occurrence and consider preventative measures for future occurrences.
- 9 May - Complaint regarding ongoing OOHW noise from Metro construction sites, one on corner of Pitt and Park streets, and the other on Castlereagh Street.
- 14 May – Complaint regarding loud music played by workers at Pitt Street South site. Stakeholder called about alarm noise from the Pitt Street North site. CPB informed stakeholder that site crew to be tool boxed on issue and no loud radios/speakers on site.
- 19 May - Enquiry about work starting earlier than 7am, due to loud noise.
- 20 May - Complaint regarding banging and hammering until 11 pm at Pitt Street South during approved OOHW.
- 24 May - Complaint regarding noise. Stakeholder wanted to confirm working hours as she thought they were 7am to 6pm. CPB comms spoke with resident, provided reasoning as to why work is taking place during the night. Also provided details on night works that night.
- 25 May - Complaint regarding noise. CPB comms spoke with resident to understand type of noise heard during the night. Resident will also send through video of the noise.
- 27 May - Complaint regarding noise from Pitt Street South around 5am. Resident sent through a video of the noise via email. Currently investigating source of noise





<b>WL-ISD</b>
<p>There were no non-compliances reported to the ER this reporting period. There were 2 minor oil spill incidents related to site.</p> <p>Complaints for end of April 2022:</p> <ul style="list-style-type: none"> <li>▪ 28/04/22 Complaint Noise and Vibration OOH 3610</li> <li>▪ 29/04/22 Complaint Traffic, Transport &amp; Parking 3616</li> </ul> <p>Complaints for May 2022:</p> <ul style="list-style-type: none"> <li>▪ 05/05/22 Complaint Noise &amp; Vibration OOH 3636</li> <li>▪ 05/05/22 Complaint Noise &amp; Vibration OOH 3639</li> <li>▪ 10/05/22 Complaint Noise &amp; Vibration 3656</li> <li>▪ 28/05/22 Complaint Noise &amp; Vibration OOH 3719</li> <li>▪ 28/05/22 Complaint Noise &amp; Vibration 3720</li> </ul> <p>OOH Noise complaints are few relative to amount of works being approved and undertaken in accordance with the OOHW Protocol</p>
<b>Audits (specific to packages reported in this report)</b>
No ER involvement in audit activity including Independent Environmental Audits.
<b>Looking Forward – Core Focus Areas and ER Closing Comments</b>
<b>MP-ISD</b>
<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>
<b>VC-ISD</b>
<p><b>Core Focus Areas</b></p> <ul style="list-style-type: none"> <li>▪ Victoria Cross South – Ongoing OOH (night works) stormwater upgrade works on Miller Street (extended to include Jun 22), including contingency in case of inclement weather delays.</li> <li>▪ Victoria Cross North site – Ongoing OOH works (evening/ weekend day OOH across May- Jun 22) - structural and fit-out works within the north shaft, with supporting activities at the north yard.</li> <li>▪ Victoria Cross North site – OOH night works for hoarding installation along McLaren St (total 5 eve/nights in June/July)</li> <li>▪ Continue to review OOHW noise monitoring, any associated complaints and issues.</li> </ul> <p><b>ER Closing Comments:</b></p> <p>Total number of Project related complaints received in May 2022 (2) is consistent with April 2022 (2). The Project has performed generally well throughout the period with only minor actions identified during inspections. The Project continues to be responsive to queries/comments raised in document reviews and any recommendations made by the ER.</p>
<b>CN-ISD</b>
<ul style="list-style-type: none"> <li>▪ Significant out of hours planned to continue with emphasis on monitoring to validate CNVIS predictions.</li> </ul> <p><b>ER Closing Comments:</b></p> <p>Project has performed generally well throughout the period with only minor actions identified during inspections. Complaints generally and noise complaints specifically remained stable, at low numbers.</p>
<b>PS-ISD</b>
<ul style="list-style-type: none"> <li>▪ Significant out of hours planned to continue.</li> </ul> <p><b>ER Closing Comments:</b></p> <p>Project has performed well throughout the period, with frequency of complaints increasing, likely as result of works being up to 5 levels above ground.</p>
<b>WL-ISD</b>
<ul style="list-style-type: none"> <li>▪ Significant out of hours planned to continue</li> <li>▪ Monitor complaint numbers and issues. Contractors Community and Stakeholder Manager providing a greater amount of detail / follow-up to ER &amp; AA now</li> </ul>



## 6. Barangaroo Station (BESIX Watpac)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Barangaroo Station (BESIX Watpac)	N/A	Jo Heltborg
<b>Key Construction Activities During the Period</b>			
<p><b>Civil:</b></p> <ul style="list-style-type: none"> <li>▪ Stormwater works, including sheet piling, trenching, pipe installation and backfill</li> <li>▪ Backfilling and compaction on top of the station box</li> <li>▪ Stockpiling of imported tunnel spoil from Rozelle Interchange</li> <li>▪ Demolition of capping beams around the station box and shark's fin</li> <li>▪ Stockpiling and management of asbestos and coal tar contaminated spoil</li> <li>▪ Commencement of load-out of spoil classified as hazardous waste, including implementation of the transport and tracking process</li> <li>▪ Water Treatment Plant (WTP) operation</li> <li>▪ Out of Hours (OOH) Utility works on Hickson Road.</li> </ul> <p><b>Station Box:</b></p> <ul style="list-style-type: none"> <li>▪ Installing structural steel, scaffolding, concrete and blockwork</li> <li>▪ Overhead Track Exhaust (OTE) ongoing</li> <li>▪ Handover of Level B6 and the Northern Shaft to Metro (for Line Wide track install)</li> <li>▪ Escalator installation (B5-B3).</li> </ul>			
<b>Key Construction Activities Look Ahead</b>			
<ul style="list-style-type: none"> <li>▪ Continuation of sheet piling and excavation for stormwater trunk relocation</li> <li>▪ Blockwork and services installation to continue in the station box, station fit-out works</li> <li>▪ OOH-006 Services installation (utilities) continuing on Hickson Road</li> <li>▪ Preparation for demolition of Hickson Road and road switch</li> <li>▪ Station fit out works – doors, painting services rooms etc.</li> <li>▪ Trenching and tree removal at Nawi Cove for the seawater cooling system works.</li> </ul>			
<b>Summary of Environmental Performance</b>			
<p>Environmental risks due to rainfall events decreased during May and accumulated mud and debris has been able to be scraped up from across the hardstand.</p> <p>On 31<sup>st</sup> May the ER was notified when a plume of red/brown water was identified in the harbour. A draft incident report has been raised and DPE and EPA have been notified in accordance with CoA A41 and A44. The incident is under investigation pending water quality monitoring results, but the correct process was followed and remedial actions have been raised to reduce the risk of a recurrence. Based on the advice received at this stage of the investigation it is unlikely that the discharge would have caused environmental harm. The incident classification is pending.</p> <p>The monthly and quarterly water monitoring program continues to be implemented (though not required by the planning approval or Staging Report). Exceedances have been explained in contractor reporting as required and the reporting system amended as an improvement opportunity.</p> <p>The transfer of water from the adjacent Linewide site to the BESIX Watpac site has been reviewed and a discharge permit process implemented to better allocate and assess risks associated with the process. The process will also be followed for groundwater pumped from Linewide's PC on Level B6 of the station box to the BESIX Watpac WTP.</p> <p>Compliance with waste classification and management practices, including following the Unexpected Finds Protocol is currently being reviewed. The hazardous waste tracking process has been a key focus for the management of coal tar and asbestos contaminated spoil. Remediation strategies are also under discussion with the contractor's contamination consultants.</p>			
<b>ER Inspections</b>			
<p>There were two ER inspections conducted by the ER in May 2022 (11<sup>th</sup> and 26<sup>th</sup> May). The key issues raised during the inspections were:</p> <ul style="list-style-type: none"> <li>▪ Stockpiling of spoil contaminated with coal tar (hazardous waste). Runoff and leachate from coal tar has been known to cause adverse ecological impacts on downstream aquatic ecosystems (TfNSW Technical Direction 21). Compliance with Section 3.5 of the Spoil Management Plan was discussed.</li> <li>▪ The waste tracking process for hazardous waste will need to be carefully monitored, and the remediation approach for the site confirmed and agreed.</li> </ul>			



- Stockpiles of spoil classified as GSW (including filter cake from the WTP appeared to be placed within a low point. This is not best environmental practice and increases the risk of dirty water runoff across the site and into the WTP.
- Future water discharge issues need to be resolved soon to allow the completion of the stormwater trunk relocation scope, particularly completion of the western-most pit. Water quality monitoring is ongoing to form a baseline and the Water Discharge Impact Assessment (WDIA), and CEMP are pending an update for submission to DPE for approval.
- Landowner (INSW) consent for proposed seawater cooling system scope is required prior to commencement (involving tree removal at Nawi Cove).
- A consistency assessment for the use of additional land on the western side of the site / extension of site boundary for pipe investigation works is in progress after a NC was raised.

**Photos**



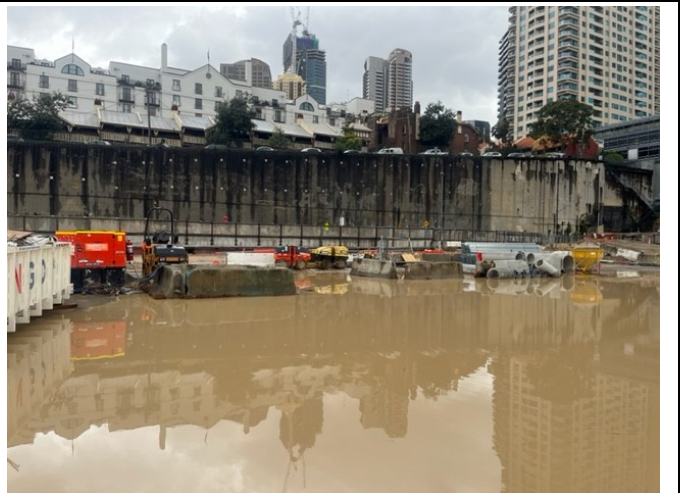
**Covered hazardous waste stockpile (left) and GSW (right)**



**Bunded fuel storage in the covered refuelling area. Spill kit fully stocked.**



**Covered tunnel spoil from Rozelle and flooding across the site**



**Site flooding and the Hickson Road heritage retaining wall in the background**





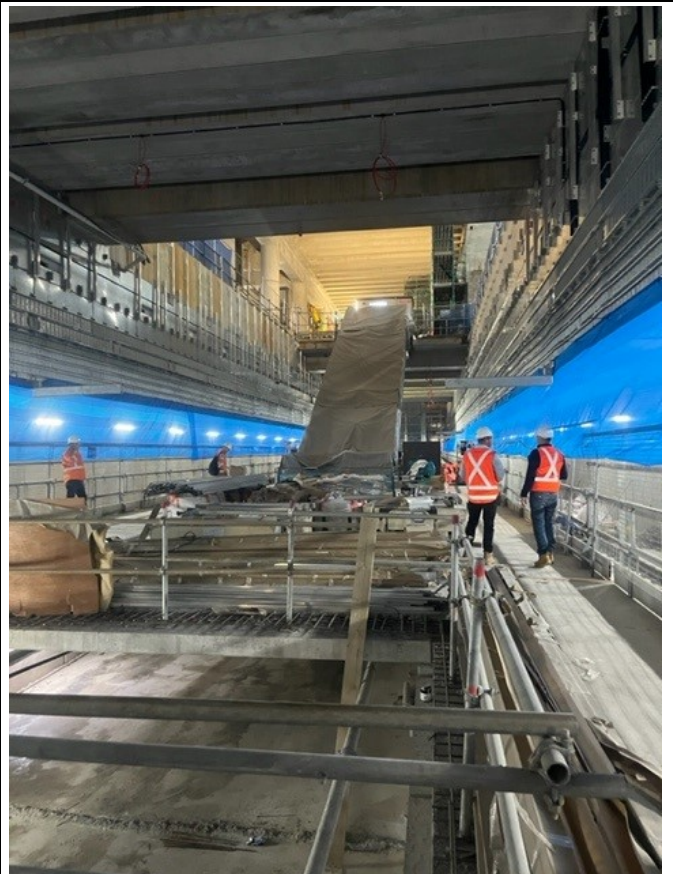
Backfilling and service installation on the roof of the station box was ongoing, in preparation for the Hickson Road switch



Filter cake receiving bay of the WTP



Pipe installation in the stormwater trunk main



Escalator installation in the station box



Sample of the platform wall cladding



The air plenum above the crossover cavern



The stunning view from Nawi Cove

**Endorsed Document/s**

- Nil



**Non-compliance/ Incidents or Repeat Complaints**

Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for Barangaroo Station.

There were no non-compliances reported to the ER for Barangaroo Station for the period:

There was one incident for Barangaroo Station reported to the ER under condition A41 of SSI 7400 for the period:

- **31/5/2022:** At approximately 11am a plume of brown coloured water was observed in Nawli Cove. The following corrective actions were taken immediately to address the cause of environmental harm:
  - An investigation into the source of the visible plume in Nawli Cove began immediately
  - Construction activities in the vicinity of the harbour were ceased
  - The WTP discharge into the harbour was ceased immediately upon becoming aware of the issue
  - Stormwater pits, which drain to the harbour, were opened to locate the source of the issue
  - Water samples from Nawli Cove were taken for laboratory analysis to establish whether the discharge had caused an adverse impact on water quality, marine life, or human safety.

The following parties were notified:

- 12:31pm - Environmental Representative (ER)
- 12:38pm - Sydney Metro Environmental Coordinator
- 12:53pm - NSW Environmental Protection Authority (EPA)
- 8:31pm – Department of Planning and Environment (DPE)

There was one Class 3 incident for Barangaroo Station reported to the ER for the period:

- **20/5/2022:** Surface water runoff from Hickson Road ponded in a low point in the gutter next to the slip lane that serves the northern shaft. Following a rain event, oil was observed running off the road from an area that had been recently cold tarred. Spill kits were deployed. The water was pumped to a holding tank where it will be tested and disposed as liquid waste. The oil did not enter the stormwater system. The cold mix from which the oil was observed to be leaching was removed and replaced with hot mix asphalt.

The ER is aware of two complaints received during May 2022 related to the BESIX Watpac works:

- **29/4/2022 (Reported on 2/5/2022):** Complaint regarding redirected buses making noise on Kent Street up to 3am during OOHW. Provided the dates for upcoming OOHW.
- **14/5/2022:** Complaint about traffic backing up along Kent Street on Saturday night due to a detour in place to allow for emergency works to occur on Hickson Road. Fumes were entering the resident's home. Traffic control measures for future works are being investigated in response. The emergency works were conducted under Condition of Approval (CoA) E44(b) and notification was undertaken in accordance with CoA E45, including to the community.

Respite has been offered in the form of 2x 2Hrs daytime respite, and no noisy works after midnight during OOH. OOH Works are also scheduled so works are not conducted in the same location for more than two consecutive nights. Alternative Accommodation has not been triggered, though is available to be offered if required on a case-by-case basis.

An increase in complaints is anticipated once the demolition of Hickson Road commences, which has been delayed until June.

**Audits**

An Independent Environmental Audit was conducted by WolfPeak on 11 May 2022. One observation was raised (in relation to water quality monitoring), which had been flagged prior to the audit and was in the process of being rectified by the site team.



**Looking Forward – Core Focus Areas**

- The management of water in the deep excavation for the stormwater trunk main
- Compliance with water quality parameters in the WDIA during discharge from the WTP
- Management of noise during planned OOH Work, and during standard construction hours, particularly in relation to demolition of the bridge deck, then Hickson Road. Management of potential noise cumulative impacts. Noise modelling for next scope of noisy works (demolition of Hickson Road)
- Investigations and predictions for vibration prior to demolition works in the vicinity of the heritage-listed Hickson Road wall
- Fuel and chemical storage and waste management
- Consistency assessments, landowner consent and tree management for planned seawater cooling water installation
- The transfer of water from Line Wide to BESIX Watpac from the surface and Level B6
- The management of works in zones with high-moderate archaeological potential and the reporting of finds.
- The management, storage and disposal of coal tar and asbestos-contaminated spoil
- Completion of the Compliance Tracking Report (CTR) Q4 2021



## 7. Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 8256 (S2B)	Southwest Metro Corridor (SMC), Bankstown Early Works (BEW), and Bankstown Station & Additional Corridor (BAC)	#21147	Jo Heltborg
<b>Key Construction and Low Impact Works Activities - During the Period</b>			
<p><b>Southwest Metro Corridor (SMC):</b></p> <ul style="list-style-type: none"> <li>▪ Canterbury Compound: Site offices and amenities, fuel and gas storage</li> <li>▪ Wairoa Street Bridge, Campsie: Preparation for construction of Retaining Wall 13 (RW13) under the Wairoa Street bridge</li> <li>▪ Duke Street, Campsie: Piling for throw screens complete. Preparation for concreting and pile caps</li> <li>▪ Belmore Triangle, Redman Parade: Dewatering of Underline Crossing (ULX) pits underway. Stockpile and slurry storage</li> <li>▪ Haldon Street, Lakemba: GST installation, tree removal</li> <li>▪ Alice Street, Wiley Park: GST installation, tree protection</li> <li>▪ Wiley Park, Urunga Parade, Gate WP3: GST installation, vegetation protection for identified Threatened Ecological Community (TEC)</li> <li>▪ Punchbowl Hi-rail access: Construction of the new access to the hi-rail access pad ongoing</li> <li>▪ Stansfield Street, Punchbowl: Galvanised Steel Troughing (GST) installation.</li> </ul> <p><b>Bankstown Early Works (BEW):</b></p> <ul style="list-style-type: none"> <li>▪ North Terrace Compound: Site offices and amenities</li> <li>▪ Metro Services Building (MSB): Building construction ongoing. Brickwork complete and scaffold removed</li> <li>▪ Southern Down Platform: Continuation of brickwork. Canopy installation complete during the Weekend 45 Possession (WE45). Installation of balustrades</li> <li>▪ Stacey Street Bridge: Temporary handover to Linewide.</li> </ul> <p><b>Bankstown Station &amp; Additional Corridor (BAC):</b></p> <ul style="list-style-type: none"> <li>▪ Low impact investigation works (geotechnical and survey) under Pre-Construction Minor Works Approvals (PCMWAs).</li> </ul>			
<b>Key Construction Activities Look Ahead</b>			
<p><b>Out of Hours Work:</b></p> <ul style="list-style-type: none"> <li>▪ Mid-Year Shutdown (2-14 July 2022): <ul style="list-style-type: none"> <li>○ SMC scope to include bridge works, CSR/GST installation etc.</li> <li>○ Cumulative impacts are being discussed during planned meetings with contractors, Sydney Metro and Environmental Representatives (ERs) on 3<sup>rd</sup> &amp; 24<sup>th</sup> June.</li> </ul> </li> </ul> <p><b>Other:</b></p> <p><b>SMC:</b></p> <ul style="list-style-type: none"> <li>▪ Marrickville: Piling for crash beams and retaining walls; works within Archaeological Management Zone (AMZ) at Victoria Road Bridge (on hold pending flood design). Night works at Livingstone Road Bridge</li> <li>▪ Hurlstone Park: Pile caps and installation of throw screens (Church Street footbridge). Replacement of redundant troughing during the next possession (Melford Street bridge)</li> <li>▪ Canterbury: Piling works planned during WE45 as part of segregation fencing scope</li> <li>▪ Campsie: Removal of Quenos gas pipe; GST installation at Lillian Lane and Loch Street ongoing. Wairoa Street bridge crash beam works</li> <li>▪ Belmore: GST installation on the country-side of Moreton Street Bridge adjacent to a TEC, continuing toward Lakemba Station. Belmore triangle: Water discharge from Pit 5 / 9 ongoing. Stockpile waste classification and spoil load-out</li> <li>▪ Lakemba: GST installation. Commencement of culvert works (Closed Circuit TV (CCTV) and pit modification/installation)</li> <li>▪ Wiley Park: GST installation. Culvert works (CCTV)</li> <li>▪ Punchbowl: GST installation; High Voltage (HV) Pit 22 rectification. ULX and GST transition. Culvert works (CCTV and pit modification/installation)</li> <li>▪ Bankstown: Stacey Street bridge screens over next possessions.</li> </ul> <p><b>BEW:</b></p> <ul style="list-style-type: none"> <li>○ Ongoing construction of the MSB and finishing works to the southern platform and surrounds.</li> </ul> <p><b>BAC:</b></p>			



- Low impact investigation works under PCMWAs.

**Summary of Environmental Performance**

The avoidance of impact to mapped TECs as defined in Revised Environmental Mitigation Measure (REMM) B4 remains an ongoing focus. Works have been conducted in accordance with requirements to date. All TEC areas inspected during ER inspections have been appropriately barricaded and sign-posted and workers tool-boxed at pre-start as required.

Erosion and Sediment Control Plans (ESCPs) are consistently reviewed and updated for new work areas and changed activities. The ESCPs demonstrate that Erosion and Sediment (ERSED) issues have been reviewed in detail before applying required controls.

Any actions raised during ER inspections have been minor in nature and closed-out promptly with evidence provided.

**ER Inspections**

There were three ER inspections conducted in May 2022 (3<sup>rd</sup>, 17<sup>th</sup> & 31<sup>st</sup> May). Actions raised during the inspections were related to the following issues:

- The stabilisation of areas being handed over to the Linewide contractor
- Reduction in public car parking associated with the project in Bankstown
- The management of minor incidents and close-out of actions
- The application of localised noise controls for generators to reduce disturbance to receivers
- The maintenance of ERSED controls and the update of ESCPs for new areas and activities.

**Photos**



GST installation within close proximity of plant communities, Alice Street Wiley Park



Brickwork had been revealed with the removal of scaffolding from the building exterior, MSB Bankstown Station





**Stabilisation of a former work area with jute mat and seed, Stacey Street Bankstown**

**Parking spaces reserved by the bus company as contingency while BEW works are underway in the bus laydown area**

**Endorsed Document/s**

- Pre-Construction Minor Works Approval Survey Works Rev01, 17/5/2022

**Non-compliance/ Incidents or Repeat Complaints**

Sydney Metro has been providing summaries of complaints to the Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for SMC, BEW and BAC.

There was one non-compliance reported to the ER for during the period:

- **SMC-NCR-002 (16/5/2022):** A PCMWA was prepared for survey and geotechnical investigation for BAC. The approval had expired when Out of Hours (OOH) survey works were undertaken on 16/5/2022. The PCMWA was updated and approved so investigation works could continue.

There were no incidents reported to the ER under condition A41 of SSI 7400.

There was one Class 3 environmental incident reported to the ER during the period:

- **SMC-INC-021 (16/5/2022):** Concrete staining was observed adjacent to the work area at Duke Street, Campsie footbridge and along the gutter down North Parade during an ER inspection on 17/5/2022. There was no migration into the stormwater system.

The ER is not aware of any complaints received during May 2022 related to the SMC\_BEW\_BAC works.

**Audits**

No ER involvement in audit activity including Independent Environmental Audits.

**Looking Forward – Core Focus Areas**

- Management of ERSED controls generally
- Maintenance of tree protection measures, particularly in the vicinity of TECs and threatened species *Acacia pubescens*
- Implementation of the Tree Report during vegetation pruning and removal
- Management of noise during OOH Work, e.g. Mid-Year Shutdown
- Completion of the Q1 2022 Compliance Tracking Report (CTR).





## 8. Marrickville, Canterbury & Lakemba Station Upgrades (MCL)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Marrickville, Canterbury & Lakemba Station Upgrades (MCL) (HSEJV)	Jo Heltborg
<b>Key Construction Activities During the Period</b>		
<p><b>Weekend 45 (WE45) Possession (Marrickville, Canterbury &amp; Lakemba):</b></p> <ul style="list-style-type: none"> <li>▪ Out of Hours (OOH) Works were assessed and approved and mitigation applied.</li> </ul> <p><b>Marrickville:</b></p> <ul style="list-style-type: none"> <li>▪ Station building electrical fit out continued</li> <li>▪ Metro Service Building (MSB) fit-out continued</li> <li>▪ MSB – Underline Crossing (ULX) launch pit excavations completed and remain open for change in methodology to open trenching. Dewatering of the ULX launch pit to continue once the Water Treatment Plant (WTP) has been reinstated.</li> </ul> <p><b>Canterbury:</b></p> <ul style="list-style-type: none"> <li>▪ Station building electrical fit out continued</li> <li>▪ MSB – Construction of structural concrete supports and excavations of On Site Detention (OSD) continued. Spoil load-out to Broughton Street laydown commenced. Containers moved to 6 Broughton Street for storage to allow Southwest Metro Corridor (SMC) to install Galvanised Steel Troughing (GST) adjacent to the compound.</li> </ul> <p><b>Lakemba:</b></p> <ul style="list-style-type: none"> <li>▪ Station building service installation continued</li> <li>▪ MSB – service connections and formwork installation continued, concrete pours for strip footing retaining wall commenced</li> <li>▪ GST works continued.</li> </ul>		
<b>Key Construction Activities Look Ahead</b>		
<p><b>Out of Hours Work:</b></p> <ul style="list-style-type: none"> <li>▪ Planning for Mid-Year Shutdown (Shutdown 3) (2-14 July 2022): <ul style="list-style-type: none"> <li>○ Cumulative impacts are being discussed during planned meetings with contractors, Sydney Metro and Environmental Representatives (ERs) on 3<sup>rd</sup> &amp; 24<sup>th</sup> June 2022</li> </ul> </li> <li>▪ Continuation of platform / station building fit-out at all stations</li> <li>▪ Continuation of MSB construction and/or fit-out at all stations</li> <li>▪ Demolition and reconstruction of Canterbury stairs, and lift installation</li> <li>▪ ULX at Marrickville MSB site.</li> </ul>		
<b>ER Inspections</b>		
<p>There were three ER inspections conducted for the period (4<sup>th</sup>, 7<sup>th</sup> and 25<sup>th</sup> May). The key issues raised during the inspections were:</p> <p><b>Marrickville:</b></p> <ul style="list-style-type: none"> <li>▪ The WTP had been removed. Water had accumulated in the ULX pit and would need to be dewatered. A plan for dewatering was not in place.</li> <li>▪ A large stockpile had been generated during the WE45 possession and was placed in the MSB site. There were no controls around the base of the stockpile.</li> <li>▪ The Erosion and Sediment Control Plan (ESCP) showed the WTP in place and discharge to the SMC cess on the opposite side of Victoria Road bridge, which had been ceased due to potential issues to the SMC piling pad.</li> <li>▪ Drums of wastewater from groundwater monitoring conducted about a year ago were stored on the boundary of the site. It is possible the drums contain hydrocarbons from the onsite plume.</li> </ul> <p><b>Canterbury:</b></p> <ul style="list-style-type: none"> <li>▪ The site access was in poor condition during spoil load-out. The cattle grid was full of mud and covered with black plastic. Mud was accumulating in the site access, resulting in tracking onto Charles Street.</li> <li>▪ Sydney Metro shade cloth had come down in one location on the boundary fence.</li> </ul> <p><b>Lakemba:</b></p> <ul style="list-style-type: none"> <li>▪ The unauthorised use of accessible car parking spaces for the project was raised, which has been an ongoing issue. A non-compliance is being considered.</li> <li>▪ A large volume of thick sediment sludge had accumulated at the bottom of the site. Controls were in place reducing the risk of entry to the stormwater pit, though the source of the sediment requires better management.</li> </ul> <p><b>All stations:</b></p> <ul style="list-style-type: none"> <li>▪ A previous ER action (#34A) to update ESCPs for all sites remains open.</li> </ul>		



**Photos**



**Marrickville MSB – Accumulated water in the ULX pit and WTP removed**



**Canterbury MSB – muddy site access and tracking observed during spoil load-out**



**Marrickville MSB – Construction ongoing**



**Canterbury MSB – spoil load-out**



**Lakemba MSB – Construction ongoing and controls in place for the continuous stream of muddy water from the site****Endorsed Document/s**

- A17 Ancillary Facility Minor Amendment, 6 Broughton Street Canterbury
- OOHWA WE45 Possession
- OOHW-031 Track Remediation\_Maintenance\_Marrickville\_RevC

**Non-Compliance/ Incidents or Repeat Complaints**

Sydney Metro has been providing summaries of complaints to the Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for MCL.

The ER is aware of three Non-Compliances (NCRs) for the period that could be attributed to MCL works:

- **HSE-NCR-029-5/5/22:** The lease and A17 project approval for use of the ancillary facility at 6 Broughton Street, Canterbury had expired, with use continuing. Actions were raised to obtain a lease renewal and extend the A17 approval.
- **HSE-NCR-031-6/5/22:** The ER has requested Road Occupancy Licences (ROs) for all stations to be provided since 23/3/2022. This was not forthcoming from the stations and as a result a non-compliance was raised against A27 in CTR Q1 2022. (NB: This NCR was raised unofficially in the April 2022 ER Monthly Report).
- **HSE-NCR-032-11/5/22:** A hanging tree branch (potential safety hazard) was pruned without obtaining an arborist report, landholders' consent, or notification to DPE. An arborist is to be engaged to assess the health and condition of the damaged tree and provide recommendation/s.

There were no incidents for MCL reported to the ER under condition A36 of SSI 8256.

There was one Class 3 environmental incident for MCL reported to the ER:

- **7/5/22:** Canterbury - During 400T crane mobilisation for WE45, a damaged hydraulic line resulted in a hydraulic oil to leak to the ground. The crane was stood down and the spill was contained and cleaned up. The crane was repaired and returned to operation.

The ER is aware of four complaints for the period that could be attributed to MCL works (there were two additional complaints which were deemed not related to Sydney Metro activities):

- **2/5/22:** Canterbury – Complaint regarding level of respite offered – specifically that it doesn't cover four residents, only two. Resident had originally triggered Alternative Accommodation (AA) but did not accept and asked for the matter to be escalated to Sydney Metro. The Sydney Metro contacted the resident to explain the nature of respite and justification behind the amount to eligible residents.
- **9/5/22:** Canterbury – Noise complaint regarding WE45 works seeking respite offer (RO). Respite was subsequently offered and accepted. The apartment will be included for future consideration of respite.
- **12/5/22:** Marrickville – Complaint regarding vehicle parking across driveway. The offending electrical contractor was warned and steps taken to minimise the risk of recurrence.



- **27/5/22:** Lakemba – Complaint re workers taking up car parking spaces with cones. HSEJV claimed this was only for 15 mins while traffic controllers were setting up for safety reasons. Response was made to the complainant and the team were reminded to ensure available parking is maximised for the community.

**Audits**

- No ER involvement in audit activity including Independent Environmental Audits. It is noted that the contractor conducted an internal audit in May 2022, but the ER was not provided adequate notice to attend.

**ER Closing Comments and Looking Forward – Core Focus Areas**

A new Environment Manager has been engaged for the MCL project, directly by the contractor. This engagement is hoped to result in closer attention to environmental management and an overall better result for the project. Due to previous NCR's and ER actions for works within approved areas, the ER conducted several meetings with Sydney Metro and HSEJV and recommended that training on the CSSI and approvals be provided.

Looking forward:

- Continued implementation checks for CEMP and sub plans, focusing on ESC and parking / traffic impacts
- Review and endorsement of Sub-plans
- Compliance Tracking Q1 2022 review and endorsement
- Shutdown 3 OOHWA review and endorsement
- Internal audit of contamination management
- Internal audit of work approvals compliance.





**9. Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW) and Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)**

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW) (Downer) Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)	Jo Heltborg
<b>Key Construction Activities During the Period</b>		
<p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> <li>▪ Metro Services Building (MSB) – Excavation, formwork and concrete pours for blinding slab. Galvanised Steel Troughing (GST) installation continued</li> <li>▪ Concourse and platform building refurbishment works continued.</li> </ul> <p><u>Belmore</u></p> <ul style="list-style-type: none"> <li>▪ MSB - fit out works continued. GST and On Site Detention (OSD) construction continued.</li> <li>▪ Platform building refurbishment works continued.</li> </ul> <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> <li>▪ MSB – Construction continued.</li> <li>▪ Platform building refurbishment works continued.</li> <li>▪ Elevator commissioning trials.</li> </ul> <p><u>Dulwich Hill:</u></p> <ul style="list-style-type: none"> <li>▪ MSB – No works noted during the month pending permits.</li> </ul> <p><u>Campsie:</u></p> <ul style="list-style-type: none"> <li>▪ MSB – Construction on hold pending permits. CSR route works continued.</li> <li>▪ Concourse installation works continued.</li> <li>▪ Platforms – Station fit out continued.</li> </ul> <p><u>Punchbowl:</u></p> <ul style="list-style-type: none"> <li>▪ Works between Urunga and MSB gate, service and drainage works completed</li> <li>▪ MSB – Fit out continued.</li> <li>▪ Concourse installation works continued.</li> <li>▪ Platforms – Station fit out continued.</li> </ul> <p><u>All Stations</u></p> <ul style="list-style-type: none"> <li>▪ Weekend 45 Possession (WE45)</li> </ul>		

**Key Construction Activities Look Ahead**

- Construction / fit-out of the MSB's at all stations
- Construction of the pedestrian bridge, lift shaft, and stairs at Dulwich Hill
- Demolition and reconstruction of stairs, and construction of lift shafts at Hurlstone Park
- Drainage and stairs to be installed next to Stanlea Parade, Wiley Park
- GST/CSR routes ongoing.
- Structural steel lift and install at Punchbowl.
- Landscaping for station Plaza(s) and MSB areas
- Review and endorse OOHWA for Shutdown 3 (Mid-Year Shutdown 2-14 July 2022)
- Internal audit of management plans and work approvals compliance.

**ER Inspections**

There were two ER inspections conducted for HBW and DCP on 7<sup>th</sup> May and 11<sup>th</sup> May. The key issues raised during the inspections were:

Hurlstone Park

- A section of noise matting required reinstatement; Downer agreed to reinstate noise mitigation.
- Sediment from the pedestrian access at the MSB had potential to be tracked from site onto the roadway; Downer agreed to stabilise the pedestrian access.
- Concrete/waste bags were stored adjacent to a stormwater pit, noting that a rain event had commenced and there was potential for materials to enter the adjacent stormwater pit; owner immediately arranged for the bags to be relocated.
- Contractors were smoking outside residential properties outside of the designated smoking area on Railway Street. Downer immediately spoke with the contractors. Site staff would also be reminded to be mindful to residents and to smoke in designated area.
- Erosion and sediment control (ESC) required maintenance on Floss Street to prevent sediment release from site. Downer agreed to update the ESC to minimise impacts.

Belmore

- A contractor van had parked on the council strip outside of the MSB. This area was recently excavated and was being rehabilitated. Downer immediately notified site staff to move the vehicle and to add flagging tape to prevent access.

Wiley Park

- During a heavy rain event sediment laden water was exiting the site. Inspection of the area indicated that the controls were installed for the small area, however redirection of water from a skip placed on the v-drain and additional water from the upstream catchment overwhelmed the controls. Downer immediately redeployed controls along Urunga Parade.

Dulwich Hill

- No issues raised.

Campsie:

- Noise mitigation was not installed for the site generator; Downer agreed to install noise mitigation.

Punchbowl:

- Site staff were parking in the accessible car parks near the MSB; Downer agreed to relocate the vehicles.
- Noise mitigation was not installed on lighting towers on Urunga Parade; Downer agreed to install noise mitigation.



Photos	
<p><b>Dulwich Hill, Ewart Lane: removal of station furniture and crane lifts for the MSB precast had commenced</b></p>	<p><b>Campsie concourse: structural steel installation had commenced.</b></p>
<p><b>Punchbowl Concourse &amp; Platform: installation of prefabricated lift shafts and structural steel continued</b></p>	<p><b>Hurlstone Park: Platform/concourse/station buildings</b></p>
<p><b>Belmore: Landscaped areas were sealed. The removal of three trees from the plaza was discussed.</b></p>	<p><b>Wiley Park, Urunga Parade: sediment controls in situ during rain event</b></p>
Endorsed Document/s	
<ul style="list-style-type: none"> <li>▪ DCP Soil and Water Management Plan (SWMP) Rev7</li> <li>▪ HBW SWMP Rev7</li> <li>▪ DCP Heritage Management Plan (HMP) Rev7</li> <li>▪ HBW HMP Rev7</li> <li>▪ Out of Hours Works Approval (OOHWA) WE45 (Combined Package 5 &amp; 6)</li> <li>▪ OOHWA 18 – Concrete Overrun (Combined Package 5 &amp; 6)</li> <li>▪ A19 Minor Ancillary Facility (MAF) Assessment Belmore – Renewal</li> <li>▪ A19 MAF Assessment Ewart Street Dulwich Hill - Renewal to May 2023</li> <li>▪ A19 MAF Assessment Urunga Pde Wiley Park - Extension</li> </ul>	





<p><b>Non-compliance/ Incidents or Repeat Complaints</b></p> <p>Sydney Metro has been providing summaries of complaints to the Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for DCP and HBW.</p> <p>The ER is not aware of any non-compliances for the period that could be attributed to DCP or HBW works. There were no incidents for DCP or HBW reported to the ER under condition A36 of SSI 8256. There were no Class 3 environmental incidents for DCP or HBW reported to the ER. The ER is aware of 11 complaints for the period that could be attributed to DCP and HBW works (there was one additional complaint which was deemed not related to Sydney Metro activities):</p> <ul style="list-style-type: none"> <li>▪ <b>3/5/22:</b> Hurlstone Park. Complaint related to noise, dust and dirt from vehicle movement on Railway Street. The site team advised concrete was being poured at the MSB site. A hose was being used for dust suppression. The site team advised they have placed noise blankets on the residents fence line. The stakeholder has requested a regular outdoor cleaning and car cleaning service to impacted residents; Metro’s response is pending.</li> <li>▪ <b>6/5/22:</b> Hurlstone Park. Concern regarding noise over the Mother’s Day weekend possession. Downer Comms emailed apology for disturbance, explaining the nature of planned shutdown periods and mitigation measures implemented during these times weekend.</li> <li>▪ <b>9/5/22:</b> Hurlstone Park. Complaint regarding fence damage following the WE45 possession. A pre-condition survey was offered prior to commencement of project, but was not taken up by the resident. The issue was further investigated, and the Place Manager has made an offer to reinstate the fence panel upon completion of works in this area.</li> <li>▪ <b>10/5/22:</b> Hurlstone Park. Complaint regarding noisy works during standard hours at the MSB site. The site team confirmed noise blankets are in place. The Place Manager offered custom earplugs or noise cancelling headphones. Four Noise cancelling headphones were ordered and sent to the stakeholder for her four sons.</li> <li>▪ <b>12/5/22:</b> Wiley Park. Complaint from mobility impaired resident regarding worker vehicles parking on Shadforth Street. The Place Manager phoned stakeholder and advised site team investigated and has spoken to workers and reminded them not to park on Shadforth Street.</li> <li>▪ <b>23/5/22:</b> Hurlstone Park. Stakeholder claiming the fence post installation works are encroaching on their property boundary fence line. Surveyor results showed works are contained within the rail corridor. The Place Manager advised the surveyor would install pegs and a vibration monitor this week, which have since been installed.</li> <li>▪ <b>24/5/22:</b> Hurlstone Park. Complaint regarding noise during OOHW for an approved concrete overrun at the MSB site until 18:35 (complaint received at 18:05). Information has been provided to residents explaining reasons for late finish and relevant approvals. Retrospective respite vouchers are being offered to the four most impacted properties as a gesture of goodwill.</li> <li>▪ <b>24/5/22:</b> Dulwich Hill. Complaint regarding cumulative impacts. Resident expressed frustration at the length of construction; delays are impacting their property and life. They would like to add a mural to their property but cannot until work is completed due to dust and rocks. Approved message sent to resident. Resident responded angrily saying they will take complaint further and ended with do not respond.</li> <li>▪ <b>25/5/22:</b> Hurlstone Park. Complaint regarding noise, vibration and dust at the MSB site. The matter was investigated, and the Place Manager phoned stakeholders and confirmed dust mitigation is in place in accordance with the CEMP.</li> <li>▪ <b>26/5/22:</b> Hurlstone Park. Complaint regarding worker behaviour and worker parking in front of resident’s property on Foord Avenue where bins are collected, inhibiting bin collection. An investigation found the stakeholder had become aggressive to the surveyor and the incident was raised with the Zero Harm safety team. After investigation the Place Manager contacted the stakeholder advising we will inform our workers of the parking impacts on local streets, and in respect to the stakeholder’s issues relating to the behaviour of the surveyor, this matter has been escalated.</li> <li>▪ <b>27/5/22:</b> Hurlstone Park. Complaint regarding noise, dust, standard and OOH works and request for vibration monitor report. After investigation the Place Manager emailed the stakeholder to advise all mitigation measures are being implemented including respite periods, noise blankets and all relevant feasible dust suppression measures are in place and provided clarity on emergency works.</li> </ul>
<p><b>Audits</b></p> <p>No ER involvement in audit activity including Independent Environmental Audits</p>
<p><b>ER Closing Comments and Looking Forward – Core Focus Areas</b></p> <p>ER inspections were not conducted for the second half of the reporting period due to the low risk of work scope. No high-risk works were flagged that would have warranted an ER inspection.</p> <p>Looking forward:</p> <ul style="list-style-type: none"> <li>▪ Continued implementation checks for CEMP and sub plans, focusing on ESC and community impacts</li> </ul>



- Review and endorse CEMP Sub-plans
- Compliance Tracking Q1 2022 review and endorsement
- OOHW and Shutdown 3 review and endorsements.

**10. Sydney Metro Retained Obligations (SM) /Other**

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B)	Sydney Metro Retained Obligations (SM) /Other	Jo Robertson
<b>Key Construction Activities</b>		
SM	The ER is not aware of any CSW related SM construction activities other than as referred to on a package basis above.	
<b>ER Inspections</b>		
SM	<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>	
<b>Endorsed Document/s</b>		
SM	<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>	
<b>Non-compliance/ Incidents or Repeat Complaints</b>		
<p>Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.</p> <p>There were no non compliances or incidents raised by the ER against Sydney Metro for the period.</p>		
<b>Audits</b>		
SM	Sydney Metro is working with the Independent Auditor to deliver the audit program in accordance with the Compliance Tracking and Monitoring Program Report (Rev 2.5). In May the Barangaroo project site was audited. For additional information refer to Section 6 of this report.	
<b>Looking Forward – Core Focus Areas</b>		
SM	<ul style="list-style-type: none"> <li>▪ Review of minor changes proposed to the Compliance Tracking Monitoring and Reporting Program (note this is with the ER for Review)</li> <li>▪ A planning modification to SSI 7400 for an extension of Saturday construction hours has been submitted to DPE. As part of community consultation, approximately 18,750 fact sheets were delivered across the alignment, in addition to email notifications, targeted phone calls and door knocks to sensitive receivers - 10 responses were received.</li> </ul>	



## Statement of Limitations

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