

HBI

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

7 June 2023
Ref: 170108-ER_DPE May 2023

Dear Rob

RE: Sydney Metro City and South West – ER Monthly Reports for May 23

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

- Condition A24 (l) of the Sydney Metro City and 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), MOD8_Blues Point Access Site (25 November 2020), and MOD9_Extension to Standard Construction Hours (30 June 2022); 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 23**.

Yours sincerely

Jo Robertson
Environmental Representative

Cc: Sydney Metro: Carolyn Riley, Fil Cerone, Dylan Jones, Ann Paterson, Julia Diamond, Chris Berg, Cath Snelgrove

AA: Available on Sydney Metro Website

Contractors: Available to Contractors on Sydney Metro Website

DPE Compliance: Portal

DPE Post Approvals: Available on Sydney Metro Website



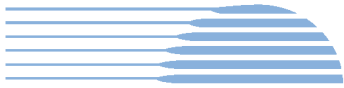
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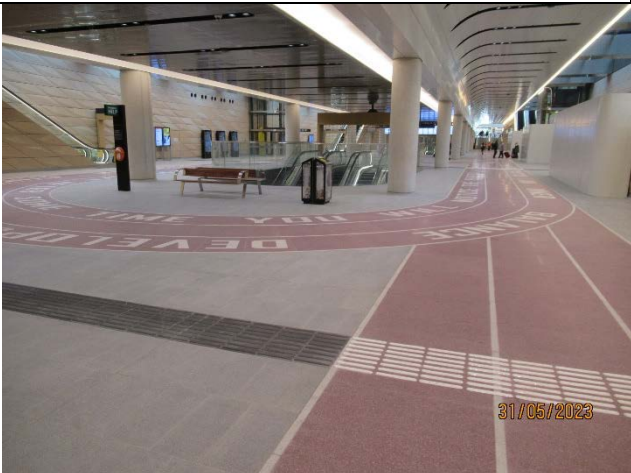



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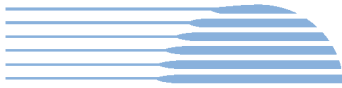


1. Central Station

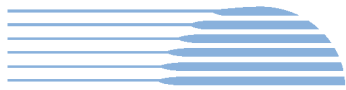
Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Central Station	#21148 Central Main Works	Michael Woolley
Key Construction Activities During the Period			
<p>Works conducted during the reporting period included:</p> <ul style="list-style-type: none"> ▪ Metro Box – Ongoing use of Platform 12 by the public. Operation of ventilation fan in the Chillers and Ventilation Building. Handover of various areas to Sydney Trains and in use by the public such as escalators to the North South Concourse. Metro Platform remains cordoned off from public. Operation of permanent stormwater system. ▪ Central Walk – Opened and in use by the public. Some defect works. ▪ North-South Concourse – Opened and in use by the public. Some defect works. ▪ Sydney Yard – Site access and use for laydown. Reduced activities due to reduced works on the project. Some areas handed over the Sydney Trains and their contractors. ▪ Northern Concourse – Opened and in use by the public. Some defect works ongoing. ▪ Eastern Entrance – Fire in building behind the site across Randle Lane occurred on 25 May 2023. Since this time there has been no access to the building. The building has suffered potential damage from the fire, however the full extent of the damage is not known due to access constraints. ▪ Devonshire Street Tunnel - In operation and used by commuters. ▪ CSR works Rail Institute – Works completed. ▪ ESR Concourse – Works completed. Area of Eastern Entrance closed to the public. ▪ Ghost Platforms (above ESR Platforms 24-25) – Works understood to be completed. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Ongoing activities as described above ▪ Works at the Eastern Entrance once access is gained. 			
ER Inspections			
<p>There were two ER inspections conducted during the reporting period on 10 and 31 May 2023. Minor issues were raised on 10th May dirt on hardstand in the Sydney Yard; obstruction of a monitoring well in Randle Lane; and tonal alarms from an EWP. There were no actions raised on 31 May 2023. One action from prior inspections remained open in regards to removal of graffiti in the building next to the Eastern Entrance (no access available).</p>			



Photos	
	
Eastern Entrance: Closed to public	Eastern Entrance: View of the front of the Eastern Entrance on Chalmers Street
	
North/South Concourse: Completed and open to the public	North/South Concourse: Completed and open to the public
	
Platform 14: LOR scope generally completed	Platform 14: LOR scope generally completed



Endorsed Document/s
<ul style="list-style-type: none">▪ Sydney Metro City & Southwest- Central Station Main Works – Construction Heritage Management Plan, SMCSWCSM-LOR-SMC-EM-PLN-000027 Revision 13, dated April 2023▪ Sydney Metro City and Southwest, Central Station Main Works Project - Construction Spoil Management Plan (Revision 9, dated April 2023)▪ Sydney Metro City & Southwest- Central Station Main Works – Construction Air Quality Management Plan Revision 13 dated April 2023
Non-compliance/ Incidents or Repeat Complaints
<p>A very large fire occurred in the empty heritage building behind the Eastern Entrance across Randle Lane on 18 May 2023. Sydney Metro advised DPE of this event and the potential for impact on the new structure. Sydney Metro advised that water from a burst water main due to the fire entered the Eastern Entrance, from where it made its way in the ghost platforms and to Platforms 24/25. It is understood that LOR pumped the water back to the surface where it discharged to sub-soil drainage and stormwater to prevent flooding of rail infrastructure. LOR indicated that this activity was reported to the EPA for their information.</p> <p>One complaint was reported to have been received during the reporting period, related to a noise complaint on Chalmers Street for OOHW works continuing past 4am.</p> <p>No Incidents were reported that would trigger reporting under Condition A41 and no non-compliant events were reported or observed by the ER.</p>
Audits
There were no audits conducted during the reporting period.
Summary of Environmental Performance
Much of the project has now been handed over to Sydney Trains, significantly reducing the extent of works. Good environmental performance was generally observed, noting no incidents reported and only low risk issues identified during inspections.
Looking Forward – Core Focus Areas
<ul style="list-style-type: none">▪ Nil



2. SSJ

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Sydenham Station and Junction (SSJ)	#21147	Jo Heltborg
Key Construction Activities During the Period			
<ul style="list-style-type: none"> ▪ Sydenham Station: Remains under Linewidth control; JHLOR minor defect works ongoing. ▪ Portuguese Club / Former Fraser Park Ancillary Facility: Record of formal handover pending / satisfaction of landowner. ▪ Way Street Laydown: Pending record of handover / satisfaction of Sydney Trains. ▪ Sydenham Station: Buffer stops and track alignment within the station precinct complete during Weekend 47 (WE47) Possession. 			
Key Construction Activities Look Ahead			
<p>Portuguese Club / Former Fraser Park Ancillary Facility: Tree removal and security fencing installation along culvert in new Area 20 during the July Possession (6-16th July 2023). Noise modelling pending but assumed low impact, plant limited to elevated work platform (EWP) and hand tools.</p> <ul style="list-style-type: none"> ▪ Formalisation of handover of laydown areas back to landowners ▪ Ongoing defect work ▪ SSJ scheduled for completion of Construction post-September Possession. 			
ER Inspections			
ER inspections for SSJ now take place as part of the SMC_BEW ER inspections. There were no ER inspections conducted for SSJ in May 2023.			
Photos			
Nil			
Endorsed Document/s			
<ul style="list-style-type: none"> ▪ SSJ Environmental compliance requirements completion approval Q4 2022, 1/5/2023 			
Non-compliance/ Incidents or Repeat Complaints			
<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"> ▪ The ER is not aware of any non-compliances for SSJ during the period. ▪ There were no incidents for SSJ reported to the ER under conditions A41 of SSI 7400. ▪ There were no minor Class 3 environmental incidents reported to the ER during the period. ▪ The ER is not aware of any complaints during May 2023 that could be attributed to the SSJ works. 			
Audits			
No ER involvement in audit activity including Independent Environmental Audits.			
Summary of Environmental Performance			
<p>The scope of works conducted during the reporting period was minimal and low risk. The SSJ works package is winding down with most scope complete, with mainly defects remaining and work during the July and September possessions. The ER is waiting on the completion of all scope and materials removal from laydown areas before handover and condition completion is finalised.</p> <p>Preparation of the Specific Element Conservation Management Plan (Deed requirement), Archival Recording Report and Excavation Director's Report are underway.</p>			
Looking Forward – Core Focus Areas			
<ul style="list-style-type: none"> ▪ Completion of selected Conditions of Approval and Revised Environmental Mitigation Measures ▪ Completion of the SSJ Compliance Tracking Report (CTR) Q1/Q2 2023. 			



3. Line Wide (Tallawong to Bankstown)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Line Wide (Tallawong to Bankstown) Systems Connect (SC)	#21423 Line Wide #12208 Sydney Trains	Swathi Gowda

Key Construction Activities During the Period

Key Construction Activities below -SC Reports:

- Northern Connection – WE45 possession completed
- Tunnels – energisation/ testing and commissioning (T and C) ongoing

Chatswood Dive Site

- Form-reo-pour (FRP) works for fire water tank and fire pump room buildings underway
- Excavation for final levels of detention basin underway
- Permanent fence installation works continuing

Blues Point

- Defect works completed. No further works planned.

SW Corridor Traction Substation sites:

Dulwich Hill TSS

- Cable testing underway – energisation planned 29 May 2023
- Tiling works (approximately 90%) completed

Canterbury TSS

- Fencing works
- Cable testing underway

Campsie TSS

- Tiling and landscaping works (approximately 90%) completed
- Electrical installations ongoing

Lakemba TSS

- Tiling largely completed, with minor section remaining (the Boulevard side)
- Electrical installation ongoing

Punchbowl TSS

- Tiling works completed
- Electrical installation ongoing

HV Works - Remaining Zones 21 (Lakemba) and 26 (Bankstown) scheduled to be done in possessions.

Padmount Transformers: approximately 50% completed

Pat O’Connor (POC) Reserve, Canterbury – No works. Tree planting remains on Ausgrid side of cable bridge.

Canterbury - Campsie BPS Joint Bay worksites: Ausgrid testing scheduled to commence 27 May 2023 and planned energisation in June 2023 (subject to testing).

Southern Dive & SMTF South Marrickville:

- Operational WTP - Minor defect works and interim commissioning.
- Administration and Maintenance Buildings –T and C ongoing
- Fire Pump Room – T and C ongoing
- Stabling Yard - Overhead wiring energised (milestone).
- Southern Dive - External façade installation and T and C works ongoing
- Civil Works Landscaping completed and fencing continuing

Sydenham Station – T and C ongoing

Surry Hills BPS works

- Frog Hollow Reserve - Handed back to City of Sydney Council (CoS) temporarily.
- Randle Ln Joint Bay demobilised (April 2023) – Still awaiting recommencement.

**Key Construction works/activities Look Ahead**

Look-ahead of upcoming activities /works:

- Utility works on Nelson St, Chatswood
- Resurfacing works at Mowbray Rd (Chatswood) to be undertaken (OOHW proposed and to be confirmed).
- SMTF S Stabling Yard - Dynamic train testing.
- Canterbury - Campsie BPS Joint Bay worksites: Ausgrid testing ongoing and planned energisation in June 2023 (subject to testing)
- SMTF S - Reporting for Cap and Containment Remediation works (near Gate S2 – Final survey report in progress to further inform/finalise Validation Report and EMP currently being drafted)
- SMTF S - Relocation of services and stormwater drainage modification work on Railway Pde (Marrickville) continuing during Standard Construction Hours and cable installation by Optus (OOH – 2 June 2023) using hand tools.

ER Inspections

There were three ER inspections conducted by the ER in May (09/05/2023, 16/05/2023 and 23/05/2023). Key new issues/actions raised are summarised below:

SMTF South - ER Inspection #155 - 09/05/2023 [Tuesday; rain since 9am - 0.0mm (09/05); Rainfall previous days to inspection: 10.8 mm – 08/05, 0.00mm - 06/05 and 07/05]:

- SMTF S - Sydney Steel Road (cul-de-sac): Hi-rail excavator observed outside Gate S2 during ER Inspection in. Discussed with SC to investigate/confirm (potentially to load onto float and taken from site).
- SMTF S - Edinburgh Rd: Site access/egress – Gate E6 (Edinburgh Rd) remains stabilised and in use. Minor tracking to be addressed.
- SSJ Landscaped Area: SC reports some weed management commenced on 5 May 2023. Evidence of some overgrowth and weed removal was noted during the Inspection. Further identified and discussed weeds and self-sown tree that remains to be removed by SC.

Northern Sites - ER Inspection #156 - 16/05/2023 [Tuesday; 0.0 mm rain since 9am (16/05); Rainfall previous days to inspection: 3.4mm (15/05), 7.6mm (14/05) and 0.0mm (13/05)]:

- CDS – Excavation for final levels of detention basin underway. Discussed waste classification and record to be provided for excavated material to ER, for waste taken off-site.
- CDS – Site Egress /Mowbray Rd: Discussed trimming of shrub to improve pedestrian access/visibility.
- CDS – Nelson St: Discussed improvement on one of the slit trenches in terms of temporary restoration works; with further monitoring and action in case of deterioration until permanent restoration works are carried out (to satisfy REMM T22 requirements).
- Northern Connection/Tunnel Portal: General housekeeping required near drains and surrounding area.

SW Corridor Traction Substation sites - ER Inspection #157 – 23/05/2023 [Tuesday; rain since 9am - 0.0mm (23/05); Rainfall previous days to inspection – 0.0mm between 20/05-22/05]:

- Canterbury TSS - Driveway and kerbing works noted to have progressed significantly last ER Inspection. Discussed tidy up/ minor general housekeeping required within laydown area near Driveway and emu pick of waste/litter alongside TSS building.
- Belmore Site Compound - Discussed installation of delineation/protection around tree.



Photos	
	
CDS: FRP works for fire water tank and fire pump room buildings underway	CDS: Excavation for final levels of detention basin underway
	
CDS - Evidence of dust suppression observed within future car park area (positive observation)	Dulwich Hill TSS: Tiling works
	
Campsie TSS: Fencing and landscaping works	Lakemba TSS: Tiling works



<p>Anzac St Joint Bay (Canterbury) worksite</p>	<p>Anzac St Joint Bay (Canterbury) worksite: Cover installed over Joint Bay excavation and bund established</p>
<p>SMTF S - Landscaping works, adjacent to Stabling Yard</p>	<p>SMTF S Southern Dive: Façade installation works ongoing</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ Utilities Management Strategy Rev 1.1 ▪ CTR Q3 2022 Rev B ▪ OOHWA -304 - Chatswood Dive Water Connection Works Rev B ▪ OOHW-234 Punchbowl TSS CSR WE45 Rev 02 ▪ OOHW-284 - Southwest Corridor - Southwest HV Cabling WE45 and WE47 Rev D ▪ OOHW-298 - Southwest HV Cabling Marrickville WE45- Rev02 ▪ OOHW-215 - Campsie BPS Joint Bay Dewatering Rev 12 ▪ OOHW-297 - Southwest TSS Dress positive Structures Rev E and F ▪ OOHW-284 - Southwest HV Cabling WE47 - Rev E and Rev F 	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<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>Nil non-compliances reported to the ER in this reporting period.</p>	
<p>There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.</p>	
<p>No minor Class 3 events reported to the ER, for this reporting period.</p>	
<p><u>Complaints during this reporting period are summarised below:</u></p>	
<ul style="list-style-type: none"> ▪ 07/05/2023 - Southwest corridor (LWW) – Noise & Vibration (OOHW); Traffic, Transport and Parking - Resident advised that heavy vehicles were behind her house and unloading material at night on 6 May 2023. Advised this was noisy and disruptive. Resident also advised parking was removed on Warburton St and stated they had not been notified about the night work or parking removal. ▪ 30/05/2023 - Campsie to Canterbury power upgrade (LWW) – Property access - Resident called to complain that a truck had parked in their driveway. Truck had been quickly moved on and Supervisor counselled the worker who 	



recently commenced with the team and committed to toolbox the team to remind them not to stop in driveways ahead of next shift.

Complaints during this reporting period unrelated to SC/SM activities:

- 19/05/2023 – Blues Point - Noise and Vibration - OOHW - Resident called complaining about experiencing vibration from 10:30 to 10:50pm on 18.05.2023, that caused her doors and windows to shudder.
- 20/05/2023 – CDS - Noise & Vibration -Resident called about loud noise at around 2.00am-3.00am at night and again at 6:40am in the morning.

Complaints further investigated and deemed not related to SC/SM activities.

Audits

- ER involved in IEA to extent of scope consultation and discussion with Independent Auditor of any key Project issues prior to Audit kick-off.
- Awaiting Independent Environmental Audit (IEA) Report.

ER Closing Comments and Looking Forward

Key Points:

- Complaints received in reporting period are summarised above and noted to have reduced in comparison to April 2023.
- ER notes no complaints from the SW Corridor WE45 and WE47 possession works in May 2023.
- ER continues to closely monitor/review complaints from Canterbury -Campsie BPS worksites (one complaint received in reporting period dated 30/05/2023) in relation to truck that had parked in resident's driveway. ER requested toolbox record evidence (and was provided by SC) and recommended Project to reiterate message re parking and general worker behaviour expectations at other active joint by worksites.
- Overall, the Project continues to generally perform well, with ER Inspections across this month identifying generally minor actions and improvements.
- The Project Team continue to be responsive to queries/comments raised in document reviews/discussions and any recommendations made by the ER.

Looking forward:

- Independent Environmental Audit Report and outcomes.
- Proposed OOH resurfacing works at Mowbray Rd, Chatswood (to be confirmed).
- Canterbury - Campsie BPS Joint Bay worksites: Ausgrid testing ongoing and planned energisation in June 2023 (subject to testing). Contingency OOHW for dewatering (weather dependant) BPS joint bays with anticipated completion in mid- Aug 2023 (extended). SC reports no OOHW dewatering undertaken till date.

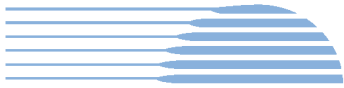


4. TSOM

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Train Service Operation and Maintenance (TSOM)	MTS EPL 21247 (Dynamic train testing SMTF-N to Chatswood) LWW EPL 21423 (Dynamic train testing Chatswood to Sydenham)	Swathi Gowda
Key Construction Activities During the Period (May 2023)			
<ul style="list-style-type: none"> ▪ Tunnels: <ul style="list-style-type: none"> ○ Finishing work and cable terminations ○ Testing and commissioning activities in the tunnels and Cross Passages (XPs), including testing new trains in the tunnels ▪ Stations: <ul style="list-style-type: none"> ○ Platform Screen Doors (PSDs) testing and commissioning (T and C) at all Stations ○ Ongoing equipment installation, T and C works in equipment and station rooms. ▪ SMTF-North: Dynamic train testing between SMTF North and Chatswood and mixed fleet operations ▪ SMTF-South: <ul style="list-style-type: none"> ○ Cable tray, cables and cabinet installation in Administration Building ○ Installation of signalling equipment in the yard ▪ Southwest Substations: <ul style="list-style-type: none"> ○ Cable pulling, radio mast install at Campsie and Dulwich Hill ○ Cabinet installation in station equipment rooms ▪ Southwest Substations and Corridor: <ul style="list-style-type: none"> ○ Weekdays – mechanical installation in traction substations and equipment buildings ○ WE45 – radio mast installation at Marrickville, cable haul and install of trackside equipment along the corridor ○ WE47 – radio mast installation at Dulwich Hill, cable haul and install of trackside equipment along the corridor 			
Key Construction Activities Look Ahead – June 2023			
<ul style="list-style-type: none"> ▪ Tunnels <ul style="list-style-type: none"> ○ Finishing works and testing and commissioning ○ Train testing and commissioning activities ▪ Stations: <ul style="list-style-type: none"> ○ Platform Screen Doors (PSDs) testing and commissioning (T and C) at all Stations ○ Ongoing equipment installation, T and C works in equipment and station rooms. ▪ SMTF-North: Train testing between SMTF North and Chatswood and mixed fleet operations ▪ SMTF-South: <ul style="list-style-type: none"> ○ Cable tray, cables and cabinet installation in Administration Building ○ Installation of trackside equipment and cable pulling in the yard ○ Test train operating between the Tunnels, Sydenham and SMTF South to test newly installed equipment ▪ Southwest Substations and Corridor: <ul style="list-style-type: none"> ○ Installation of equipment, cables, cable tray and cabinets in station equipment rooms and buildings ○ Installation of trackside equipment and cable pull in the corridor 			
ER Inspections			
<ul style="list-style-type: none"> ▪ No ER inspections conducted in May. 			
Photos			
<ul style="list-style-type: none"> ▪ N/A 			
Endorsed Document/s			
<ul style="list-style-type: none"> ▪ Nil 			
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.
<ul style="list-style-type: none">▪ 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.
Audits
<ul style="list-style-type: none">▪ No audits proposed
Looking Forward – Core Focus Areas
<ul style="list-style-type: none">▪ Nil



5. ISD – Crows Nest

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Crow's Nest ISD (CN-ISD) AW Edwards	No EPL	Brett McLennan
Key Construction Activities During the Period			
<ul style="list-style-type: none"> ▪ Steel fixing and scaffolding (site B and C) ▪ OSD site c to commence end of June ▪ OSOM deliveries concrete pumping and pouring on Pacific Highway/Clarke Lane – site A and site B completed ▪ Services, finishes, and fit out of B5 platform, B4 OTE, B3, B2 plant room ▪ Line Wide Fit-out works on B6 ▪ Public domain work at Clarke Street ongoing ▪ Public domain work at Oxley Street completed ▪ Public domain for utilities ▪ Demolition of the capping beam for site A ▪ Demolition of the capping beam for site B ▪ Removal of TC 2 removal completed ▪ Escalator installation ▪ Ongoing blockwork across site 			
Key Construction/Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Demolition of the capping beams ▪ Steel fixing and shuttering (Sites A - C) ▪ B4 OTE cladding and fit-out ▪ B1 and ground Perimeter walls FRP and concrete pours ▪ Site CB form, reo and pour (FRP) ▪ Services, finishes and fit out of B5 platform, B4 OTE, B3 plant room. ▪ Public domain works for Sydney Water ▪ Public domain work at Clarke Street ▪ Hume Street triangle (Hume Street turning lane) to be handed over to Council ▪ Oxley Street and Pacific Highway intersection to be handed over to Council ▪ Oxley Street footpath hand back to Council 			



ER Inspections

There were three ER inspections conducted on 3, 17 and 31 May 2023. The following issues were raised:

General

- Footpath access was maintained for pedestrians
- ESC was maintained
- Work areas were maintained (good housekeeping)

Inspection of 3/05/23

- Noise blankets required installation between source and receiver prior to noisy works on Charles St. AWE Management was quick to halt works to inform staff.
- AWE were reminded to use portable fuel bunds when refilling.

Inspection of 17/05/23

- Noise blankets installed for footpath works on Oxley St (good practice)
- Noise blankets required installation between source and receiver prior to noisy works on Charles St

Inspection 31/05/23

- No actions

Photos



Oxley St – Utility and public domain works completed

Clark Lane North



Site A Level 2

B5 platforms



Hume Street Bridge and Site B

Site C works



Clark Street utility works (17/5 - noise mitigation raised as ER action)



Oxley Street brick cutting noise mitigation (good practice)

Endorsed Document/s

Nil for May

Complaints / Incidents / Non-compliance

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 the Crows Nest ISD package below. The ER is aware of no non-compliances raised during the month and 13 complaints relating to Crows Nest ISD works. There were no incidents reported to the ER under conditions A41 to A44 of SSI 7400.

- The complaints are summarised as follows:
- Five related to construction noise OOH
 - One related to water entering the adjacent property
 - Three related to property access
 - One related to utility (gas) odour
 - One is due to visual amenities (lights on at night)
 - Two related to worker behaviour

Audits (specific to packages reported in this report)

The ER involvement was interviewed as part of the site's Independent Environmental Audit. The audit report and findings are pending issue by the auditor.

Looking Forward – Core Focus Areas and ER Closing Comments

Core Focus Areas

- Continue to monitor OOHW and adjust as required.
- Monitor public domain works for community impacts and ERSED impacts.
- Undertake evening inspections to observe OOHW.

ER Closing Comments:

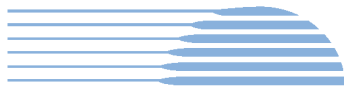
The ER noted that the focus of the project teams at AWE continues to require improvement in monitoring sub-contractor work to ensure that the workforce is following all management plan requirements (notably along Clark Street).



HBI

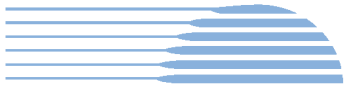
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On a positive note, the site is generally tidy, and ESC is maintained. Some sub-contractors have implemented environmental controls prior to commencing works (notably the Oxley Street paving works).



6. ISD – Pitt Street

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Pitt Street ISD (PS-ISD) CPB Contractors	No EPL	Brett McLennan
Key Construction Activities During the Period			
<p>Pitt Street North</p> <ul style="list-style-type: none"> ▪ Façade between Levels 2-4 ▪ Blockwork installation ongoing on all levels ▪ Escalator fit out ongoing ▪ Front of house works (glazed wall linings, sandstone and finished ceilings) ongoing within paved concourse zones ▪ Back-of-house fit-outs are ongoing throughout station levels ▪ Services are ongoing throughout all levels ▪ Testing and commissioning ongoing <p>Pitt Street South</p> <ul style="list-style-type: none"> ▪ Façade and blockwork installation ongoing throughout all levels ▪ Front-of-house works (glazed wall linings, sandstone and finished ceilings) within paved zones ▪ Back-of-house fit-outs are ongoing throughout station levels ▪ Services are ongoing throughout all project levels ▪ Testing and commissioning ongoing ▪ Plant room fit out levels 4 and 5 75% completed <p>Adits and Platform Caverns</p> <ul style="list-style-type: none"> ▪ GRC (lower internal cladding) panel installation ongoing ▪ East and west platform screen door (PSD) cladding installation completed ▪ Aluminium tube ceiling install 90% complete – majority installed, plastic removal pending ▪ Services containment installation on platforms ongoing ▪ South escalator fit-out ongoing 			
Key Construction/Activities Look Ahead			
<p>Pitt Street North</p> <ul style="list-style-type: none"> ▪ Escalator fitout ongoing ▪ Blockwork install ongoing ▪ Façade between Levels 2-4 ▪ Front of house works <p>Pitt Street South</p> <ul style="list-style-type: none"> ▪ Installation of façade GRC & Aluminium Louvers across levels 3, 4 and 5 ▪ Façade and blockwork installation ongoing ▪ Fitout works on B04 to L5 ▪ Sandstone and glazing works and finished ceilings on level B04 and within the atrium zone ▪ Services and utilities works throughout basement levels and services risers up to level 04 ▪ Escalator installation ongoing ▪ Relocation of gas main (Bourke Street OOH) ▪ Front of house works <p>Adits and Platform Caverns</p> <ul style="list-style-type: none"> ▪ GRC (lower internal cladding) panel installation ▪ Platform Screen door cladding and installation ongoing ▪ Ceiling cladding installation ▪ Front of house works 			
ER Inspections			
<p>There was one ER inspection on 30 May 2023 (ER inspections are generally on a four-week cycle). No issues of note were raised during the inspections, with excellent site housekeeping and pedestrian access maintained around the work sites.</p>			



Photos	
	
Pitt St South (PSS): façade installation - view from Pitt Street	PSS: Level 3 façade walls Burke St
	
PSS Ventilation dampers and fan	PSS front-of-house sandstone installation
	
West platforms	PSN: internal fit out
	
Pitt Street North (PSN): View from Castlereagh and Park Street	PSN: Ground level atrium
Endorsed Document/s	
<ul style="list-style-type: none"> No documents were endorsed during May 	



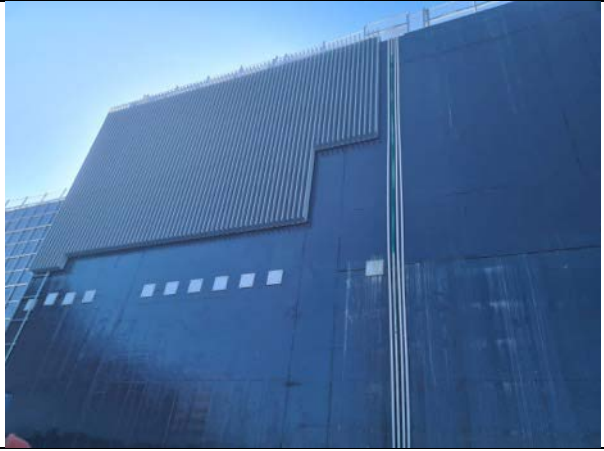



Complaints / Incidents / Non-compliance
<p>Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow-up actions often defined in revised reports. Complaints are discussed where relevant for 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> <p>There were no non-compliances/incidents related to the project reported to the ER during this period.</p> <p>There were two complaints during the period:</p> <ul style="list-style-type: none">▪ One complaint for property damage (water leaking) that was not related to Sydney Metro▪ One complaint regarding scaffolding occupying air space 8 meters from the resident.
Audits (specific to packages reported in this report)
No ER involvement in audit activity including Independent Environmental Audits.
Looking Forward – Core Focus Areas and ER Closing Comments
<p>Core Focus Areas</p> <p>OOHW are planned to continue, including utility installations. The relocation of the gas pipeline on Bathurst Street is currently being planned and requires significant OOH to complete. The contractor scoping of these works is ongoing.</p> <p>ER Closing Comments:</p> <p>The Project continues to perform well, with minimal complaints related to the project despite the level of activity in surrounding public areas. The project communications team continues to work with stakeholders on a regular basis. It is noted that the contractor Communications Manager changed during this period however due to established processes this is not anticipated to impact on current community consultation.</p>



7. ISD – Waterloo

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) (Does not include associated SSDs)	Waterloo ISD – John Holland	Swathi Gowda
Key Construction Activities During the Period		
<p>Update provided by Contractor on 05/05/2023:</p> <ul style="list-style-type: none"> ▪ Utilities works (Sydney Water scope) at Cope Street (on hold) ▪ Botany Road lighting install – Three lights already installed (Botany Rd – South) and three light poles pending installation (Botany Rd – North). Existing poles to also be removed. ▪ Cranage works from Cope Street and internal site ongoing ▪ General deliveries ongoing ▪ Minor FRP continuing - North end of plaza ▪ Block work install and fill occurring (above ground) ▪ Fit out works and service installation ongoing ▪ Electrical cable pulling in the Station ▪ Capping beam removal progressing [Wellington St end nearly completed; section remaining in Cope Street (north-eastern area) and east of the Church] ▪ Demobilising/reconfiguring temporary site sheds (North of Church) ▪ Façade installation ▪ Civil/geotechnical works on Cope Street 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Utility investigation and works in local roads around site, including proposed/approved OOH and OOH under ER/AA review for installation of private lighting along Botany Road ▪ Capping beam removal 		
ER Inspections		
<p>ER inspections are on a monthly cycle weather permitting. One ER inspection was conducted by the ER on 05 May 2023 [Thursday; total rainfall recorded 0.0 mm (05/05/2023); Rainfall previous days to inspection: 0.0 mm (02/05 to 04/05)]. The following new issues/actions raised are summarised below:</p> <ul style="list-style-type: none"> ▪ Cope St Site Compound: Hydraulic oil stain observed on north-eastern end of Cope St Site Compound (hard stand) and discussed with JHG re investigating source/raising incident. ▪ Capping Beam (North-eastern section): Capping beam removal with wire saw progressing with slurry largely contained within trench. Discussed improving slurry management for slurry noted outside the trench for e.g. with localised plastic sheets/bunding including tidy up. ▪ North-western yard: Discussed tidy up required of North-western yard post capping beam works and ensuring areas of yard under ISD control are kept tidy (noting Construction WTP was handed over to OSD Team and is now decommissioned). ▪ Note raised for JHG to confirm plan for capping beam removal near the Church (including methodology, plant and equipment, monitoring). ▪ Cope St Site Compound: Minor rubbish noted in spill kit and in plastic recycling bin to be removed. 		



Photos	
	
<p>WL ISD – Southern Building – Façade installation commenced (view from South-western yard)</p>	<p>WL ISD – Southern Building: Façade installation preparatory works continuing on Northern end of building</p>
	
<p>WL ISD – Northern Building –Preparatory works for façade installation; fit out and service installation works ongoing.</p>	<p>Cope St Compound: Trenching works for utilities underway.</p>
Endorsed Document/s	
<ul style="list-style-type: none"> ▪ WL ISD CTR Q4 2022 ▪ OOHWA #47 - Lighting Install Rev 04 ▪ OOHWA #51 - May, June, July 2023 (Utilities) OOH Work Rev 03 ▪ OOHWA #52 - May, June, July 2023 Civil Investigation OOH Work Rev B 	
Complaints / Incidents / Non-compliance	
<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 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>	



Nil non-compliances (NC) were reported to the ER during this reporting period.

One minor (Class 3) events reported to the ER during this reporting period and summarised below:

- 10/05/2023 – WL ISD – Minor hydraulic oil leak (~200ml) from EWP on Level B3 (Station).

Complaints during reporting period are summarised below:

- 31/05/2023 – WL ISD - Noise complaint (Standard Construction hours) received from a resident) who lives directly opposite the project site on Wellington Street. The resident stated that there was loud drilling, and she was unable to hear herself or the TV. The resident requested respite vouchers as a gesture of goodwill.

Complaints unrelated to WL ISD/SM activities during reporting period:

- Nil

Audits (specific to packages reported in this report)

No ER involvement in audit activity including Independent Environmental Audits.

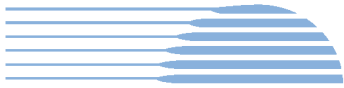
Looking Forward – Core Focus Areas and ER Closing Comments

Core Focus Areas

- Continue to review/monitor OOHWs planned, approved and promote the inclusion of noise mitigation wherever practicable.
- Continue to review/monitor complaint numbers and issues.

ER Closing Comments:





- One noise complaint (Standard Construction Hours) summarised above, for reporting period.
- Overall, the Project has performed generally well throughout the period and continues to be responsive to queries/comments raised in document reviews/discussions.

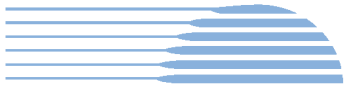


8. ISD – Victoria Cross

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Victoria Cross ISD (VC-ISD) Lend Lease	No EPL	Swathi Gowda Michael Woolley
Key Construction Activities During the Period			
<p>Construction Activities - Update provided by LL on 17/05/2023:</p> <p>VC North (VCN):</p> <ul style="list-style-type: none"> ▪ Fit out works and services within the shaft and building <p>Station Cavern:</p> <ul style="list-style-type: none"> ▪ Installation of escalators ▪ Blockwork and GRC panels installation ▪ Station fit-out <p>VC South (VCS):</p> <ul style="list-style-type: none"> ▪ Stormwater works on Miller St ▪ Stormwater works on Denison St (nearing completion) ▪ Low rise commercial building – Level 3 ▪ Concrete works on Level 4/5 ▪ Station Jumpform Level 10 ▪ Jumpform pours and lifts ▪ Blockwork ▪ Service and fit out below the top deck 			
Key Construction/Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Capping beam removal (Standard Construction Hours - VCS) ▪ Denison St/Miller St stormwater work (Standard Construction Hours - VCS) ▪ Miller St stormwater work (proposed OOHW - VCS) ▪ Victoria Cross South site – Ongoing OOH (evening & weekend) extended to Apr -Jun 2023 ▪ Victoria Cross North site – Ongoing OOH works (evenings/ weekends OOH) extended to Apr – Jun 2023 			
ER Inspections			
<p>ER inspections are on monthly cycle weather permitting. One ER inspection was conducted on 16 May 2023 [Tuesday; 0.02 mm rain (since 9am) on 16/05; rainfall (mm) previous days to inspection – 3.4mm (15/05), 7.6mm (14/05) and 0.0mm (13/05)]. ER Inspection was limited to Public/external areas of VCN and VCS – as no access/works at VCS/VCN since 11 May 2023 (Thursday) due to a safety incident.</p> <p>The following new issues/actions raised are summarised below:</p> <ul style="list-style-type: none"> ▪ Miller St (near Berry St intersection) -Damaged ERSED controls around stormwater drains to be replaced. ▪ VCS - Minor tagging observed on hoarding to be addressed. 			



Photos	
	
<p>VCN: Façade installation continuing - View from Corner of Miller St/McLaren St.</p>	<p>VCS - Denison St Stormwater worksite: Stormwater works largely completed, with backfilling scheduled.</p>
	
<p>VCS Miller St – Stormwater worksite: Noted noise blankets remain in place</p>	<p>VCS: FRP works for Low-Rise Commercial Building (Denison St side).</p>
Endorsed Document/s	
<ul style="list-style-type: none"> ▪ OOHWA #26 VCISD - North site hoarding removal Rev 1 ▪ OOHWA #27 VCISD - South site sheds removal Rev 1 	
Complaints / Incidents / Non-compliance	
<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 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> <ul style="list-style-type: none"> ▪ Nil incidents reported to the ER during this reporting period. ▪ Nil non-compliances reported to the ER during this reporting period. <p>Project related complaints during the reporting period are summarised below:</p> <ul style="list-style-type: none"> ▪ Nil <p>Complaints unrelated to LL/SM activities for this reporting period:</p> <ul style="list-style-type: none"> ▪ 22/05/2023 - Vic Cross ISD - Noise & Vibration (OOHW) - Caller advised can a hear loud humming noise (possibly a generator) coming from Miller St work site. Caller advised running since 22:00 on the 21/05/2023 until time of call 05:05am. Complaint was investigated and confirmed that the site was closed and no noise of that description would be coming from the North Site. Resident confirmed noise was not related to the Victoria Cross site and the source was found in resident’s building. 	

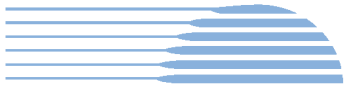


Audits (specific to packages reported in this report)
No ER involvement in audit activity including Independent Environmental Audits.
Looking Forward – Core Focus Areas and ER Closing Comments
Core Focus Areas <ul style="list-style-type: none">▪ Miller St stormwater work (proposed OOHW - VCS)▪ Capping beam removal (Standard Construction Hours – VCS).▪ Denison St/Miller St stormwater work (Standard Construction Hours - VCS).▪ Continue to review/monitor OOHWs planned and approved and promote the inclusion of noise mitigation wherever practicable.▪ Continue to review/monitor complaint numbers, any associated NCs and issues.
ER Closing Comments: <ul style="list-style-type: none">▪ Nil Project complaints received during the reporting period.▪ Project continues to be responsive to queries/comments raised in document reviews/discussions during the reporting period. Example for the reporting period includes ER/AA comments taken onboard for OOHWA#26 North Site hoarding removal. Works completed and no complaints received, as noted above.



9. ISD – Martin Place

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Martin Place ISD (MP-ISD) Macquarie Bank/Lend Lease	No EPL	Michael Woolley / Rui Henriques
Key Construction Activities During the Period			
<p>Martin Place South (MPS)</p> <ul style="list-style-type: none"> ▪ Ongoing construction (FRP) of walls; columns, beams and floor slabs ▪ Installation of building façade on the lower levels of the building facing ▪ Other general construction activities including fit out of the lower floors of the building ▪ Ongoing use of new temporary pedestrian crossing of Martin Place between Elizabeth and Castlereagh Streets under B Class Hoarding ▪ General OOHWs ▪ Concrete pumping from Castlereagh Street <p>Martin Place North (MPN)</p> <ul style="list-style-type: none"> ▪ Various building work activities ongoing such as FRP works; fit out and other activities. Completion of use of the jump form and removal of the jump form. ▪ Various works including fit out within the SSD approved project (well above the SSI7400 finished elevation) ▪ Tower crane operating adjacent Elizabeth Street ▪ Operation of concrete pumps from within the building ▪ Installation of various escalators <p>Station Caverns and Adits</p> <ul style="list-style-type: none"> ▪ Fit out activities including installation of panelling, services, escalators and fire safety systems ▪ Line Wide works in the station caverns – separated from Lend Lease activities including testing of trains ▪ Works to access the Martin Place station on the ESR 			
Key Construction/Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Activities as described above ongoing ▪ OOHWs in vicinity of Martin Place public areas and in the general site vicinity 			
ER Inspections			
Two ER inspections were conducted during the reporting on 10 and 26 May. No issues were observed during these inspections. Site activities continue to be repetitive in nature and are building related works rather than civil works.			



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Photos



Martin Place South: View from street level. Façade under construction



Martin Place South: View from north tower. Concrete works for floor slabs being undertaken



Martin Place North: View from South Tower. Works well above SSI levels



Martin Place North: View from street level on Elizabeth Street. Tower crane in operation



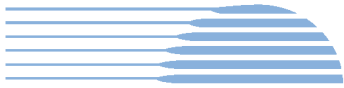
Caverns: Escalators under construction



Station Platform: Ongoing fit out



Endorsed Document/s
▪ MP-ISD OOH52 Sydney Metro OOH Works Application Form - Extended Working Hours - Rev 5
Complaints / Incidents / Non-compliance
No complaints were reported to have been received during the reporting period. No non-compliances were reported to or observed by the ER during this reporting period for the Martin Place site. There were no incidents reported to the ER under conditions A41 to A44 of SSI 7400 for Martin Place.
Audits (specific to packages reported in this report)
No ER involvement in audit activity including Independent Environmental Audits.
Looking Forward – Core Focus Areas and ER Closing Comments
Nil



10. Barangaroo Station (BESIX Watpac)

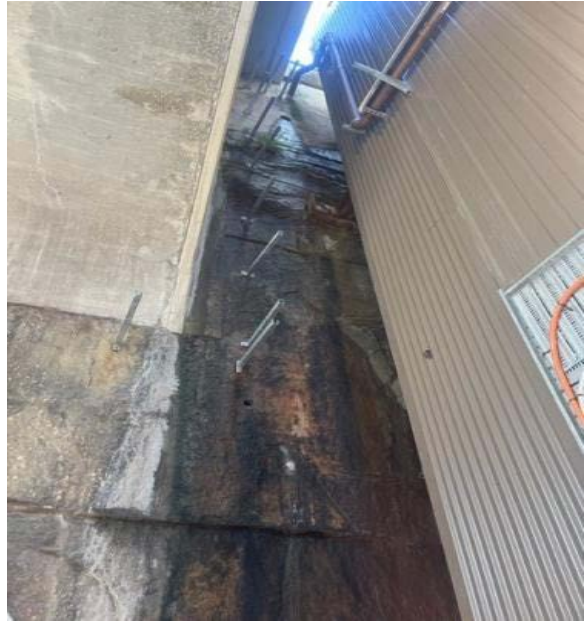
Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Barangaroo Station (BESIX Watpac)	No EPL	Jo Heltborg
Key Construction Activities During the Period			
<p>Civil:</p> <p>Zone 1 (Main Site):</p> <ul style="list-style-type: none"> Removal of sediment from the twin H01-02 pipes to harbour commenced; Preparation for relocation of WTP discharge point Stockpiling of spoil and WTP filter cake; Waste classification Water Treatment Plant (WTP) relocation and Temporary WTP (TWTP) operation ongoing. <p>Zone 2 (Shark's Fin):</p> <ul style="list-style-type: none"> Backfill of the shark's fin; Rectification of waterproofing of the condensed water pit Construction of Street D; Commencement of construction of above-ground station elements <p>Zone 4 (Hickson Road wall):</p> <ul style="list-style-type: none"> Backfill and compaction around ventilation pods; Service installation (gas, HV earthing rods); Vibration monitoring on Hickson Road wall Stormwater diversion from Hickson Road. <p>Zone 5 (The Cutaway):</p> <ul style="list-style-type: none"> Preparation for landscaping and sandstone block reinstatement; Scaffold bridge remained in use, with pedestrian diversion in place. Second stage of condensed water pipe and pit install ongoing. <p>Zone 6 (Hickson Road, under bridge):</p> <ul style="list-style-type: none"> N/A. <p>Acoustic Shed and Northern Shaft:</p> <ul style="list-style-type: none"> Temporary relocation of Jemena gas main Northern shaft handed back to BESIX Watpac on 17/3/23 Northern shaft backfill (concrete deliveries and pours) ongoing during May under approved Out of Hours Works Application (OOHWA-014) Planning for acoustic shed demolition. <p>Station Box:</p> <ul style="list-style-type: none"> Installation of sandstone cladding on platform level B6 / architectural finishes Commissioning of platform screen doors (PSDs) Lift and escalator installation ongoing Services installation (electrical, fire, hydraulics) Installation of ductwork and containment Tracks, sleepers and platform screen doors complete on Level B5/B6 Train testing. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> Landscaping and sandstone reinstatement in Zone 5 Sediment removal from INSW H01-02 stormwater pit and pipes WTP relocation ongoing, operation of Temporary WTP (TWTP), and completion of condensed water main installation and connection Commencement of acoustic shed demolition under OOHWA-018 (under review) Planning for excavation and waterproofing of the Southern Entrance (connection to future Aqualand development). 			
ER Inspections			
<p>There were two inspections conducted by the ER in May 2023 (4/5/23 & 18/5/23). Issues raised and discussed were as follows:</p> <ul style="list-style-type: none"> The rectification of gaps in the acoustic shed walls, doorways and noise blankets lining Hickson Road prior to planned out of hours works to backfill the northern shaft. The application of controls to a stormwater pit near a concrete washout (it was later confirmed washout was undertaken in a different location and the stormwater pit was not connected). 			



Photos



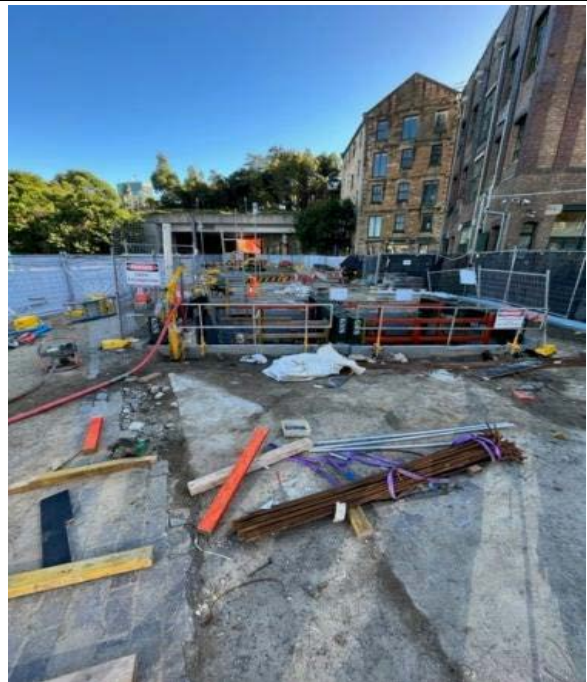
Backfill of the northern shaft (groundwater seepage and bleed water on top layer)



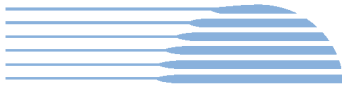
Location of Jemena gas main temporary relocation on Hickson Road wall adjacent acoustic shed



Ventilation pod installation ongoing; Backfill of services



Construction of condensed water pits



<p>Construction of above-ground station elements commenced</p>	<p>Pedestrian diversion via scaffold bridge</p>
<p>WTP installation in new location ongoing</p>	<p>TWTP operation</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ CEMP Rev 03, 18/5/2023 ▪ OOHWA-014 Northern Shaft Backfill Rev02, 19/5/2023 	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<p>There were no incidents for Barangaroo Station reported to the ER under condition A41 of SSI 7400 for the period. There was one Class 3 environmental incident reported to the ER for Barangaroo Station for the period:</p>	
<ul style="list-style-type: none"> ▪ 19/5/2023: A small area of turbid water was observed at the WTP discharge to harbour. A water sample was collected from the plume, and from the Temporary WTP and sent for laboratory analysis. Investigation was ongoing and an incident report was pending. 	
<p>There were no non-compliances (NCs) reported to the ER for Barangaroo Station for the period.</p>	
<p>The Contractor provided a response to the investigation into the WTP incident on 26/2/2023 and it was agreed there were no NCs attributed to the incident.</p>	
<p>The ER is not aware of any complaints received during May 2023 related to BESIX Watpac works.</p>	
<p>Audits</p>	
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>	

**Summary of Environmental Performance**

The following key points were discussed during the period:

- Backfill of the northern shaft and compliance with OOHWA-014.
- Clean-out of the H01-02 stormwater connection pipes to Sydney Harbour, associated methodology, risks and controls/monitoring, consultation (INSW, NSW Ports, NSW EPA).
- Issues encountered with the treatment of water by the TWTP, including during shaft backfill.
- Planning for excavation and waterproofing of the station box wall from the future Aqualand Southern Entrance; Geotechnical and contamination investigations for semipermanent solution involving 2:1 batter, break-through of rock anchors; Potential risks include shallow soil contamination and ASS in marine sediment. Compliance with E66, requirements and responsibility for a Site Auditor / Site Audit Statement.
- Upcoming future OOHWA, particularly demolition of the acoustic shed.



11. Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW) and Additional Corridor (BAC)

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
Key Construction Activities - During the Period			
<ul style="list-style-type: none"> ▪ Stage 2 and 3 design review for security fencing. ▪ Pit dewatering from Stacey Street Bankstown to Wiley Park. ▪ Canterbury Compound: Site offices and amenities, fuel and gas storage; Weed management and TSOM office demobilisation. ▪ Belmore Triangle, Redman Parade: Stockpiling and waste classification within project boundary. ▪ Punchbowl, Stansfield Avenue: Security fencing mesh panel installation. ▪ Bankstown, Stacey Street bridge: Earthing rod footings for radio mast. ▪ Marrickville: Pile installation. Bridge repairs at Livingstone Road bridge, sand blasting of girder, concrete backfill & footpath reinstatement. <p>Out of Hours Work:</p> <ul style="list-style-type: none"> ▪ WE45 (6-7th May 2023) and WE47 (20-21st May 2023) Possessions - Bolting in piles for segregation fence, Under Line Crossings (ULX) install, survey work, signal and comms work, commissioning of crossovers at Campsie. Overhead wiring install at Punchbowl; throw screen install on Stacey Street bridge. ▪ Installation of off-track side equipment – footings, slabs; Piling of footing for antenna mast at Stacey Street. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> ▪ July Possession (6-16th July 2023): 12x ULX, Segregation fence installation between Marrickville & Campsie, Drilling for bolts, Bridge works at Church Street Hurlstone Park and Duke Street Campsie; Sundry activities, e.g. deliveries for the WE09 Possession (for vortex fencing installation); and CSR near Bankstown Station. Installation of small and large brackets and secondary attachments (Help Points, Telephone posts, platform field equipment) at all stations. Works will be Day only (including Sundays). Noise modelling is in progress but overall impact is expected to be low. ▪ Ongoing pit dewatering, Stacey Street Bankstown to Wiley Park. ▪ Canterbury – Wairoa Street crash beam installation over 3 nights, late June 2023. ▪ Bridge repairs, Livingstone Road Marrickville. 			
ER Inspections			
<p>There was one ER inspection conducted in May 2023 (23/5/23). There was one action raised during the inspection, which was in relation to the storage of jerry cans and generators on site, including spill kit provisions. ER inspections continue at monthly intervals due to limited activities and low environmental risk, as determined by JHLOR and Sydney Metro in consultation with the ER.</p>			



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Photos



Livingstone Road, Marrickville – bridge repairs



Demobilised Minor Ancillary Facility - Punchbowl

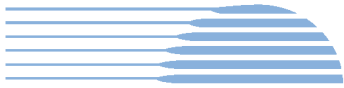


Security fencing mesh panel installation on site access, Stansfield Avenue, Punchbowl

Endorsed Document/s

- Nil

Non-compliance/ Incidents or Repeat Complaints



<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 SMC.</p>
<p>There were no non-compliances reported to the ER during the period. There were no incidents reported to the ER under Condition A41 of SSI 7400. There were two Class 3 environmental incidents reported to the ER during the period:</p> <ul style="list-style-type: none">▪ SMC-INC-035 (17 May 2023): Oil spill from burst hydraulic pipe +-2L at Belmore Triangle. Spots treated with "Oilgone200". Absorb material/mats spread over the focus area while mechanic attends to repairs. Burst hydraulic pipe replaced. Additional oil spill during repairs captured by absorb material/mat bunding. Once payloaders fixed, surface below payloaders was scraped down 50mm. Finished surface treated with a final spray of "Oilgone200".▪ SMC-INC-036 (20 May 2023): Wooley Lane, Marrickville. Oil spill onto ballast of +-0.5L from a coupling that was not secured adequately. Sprayed with 1L of Oilgone200 and repeated treatment 1hr later (0.5L Oilgone200). <p>The ER is not aware of any complaints received during May 2023 related to the SMC works.</p>
Audits
No ER involvement in audit activity including Independent Environmental Audits.
Summary of Environmental Performance
Environmental risks on site are generally low and limited to possessions. Tree impact is being re-assessed by a review of security fencing alignment, and re-design where possible to reduce impact – current focus area is Wiley Park to potentially reduce impact to ~100 9-13m tall trees.
Looking Forward – Core Focus Areas
<ul style="list-style-type: none">▪ Management of ERSED controls generally▪ Management of noise during OOH Work e.g. July Possession▪ Completion of the Q1/Q2 2023 Compliance Tracking Report (CTR)▪ Redesign to reduce tree impact for security fencing.



12. Marrickville, Canterbury and Lakemba Station Upgrades (MCL) (HSEJV)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Marrickville, Canterbury & Lakemba Station Upgrades (MCL) (HSEJV)	Brett McLennan
Key Construction Activities During the Period		
<ul style="list-style-type: none"> ▪ Possessions WK45 (6-7 May) and WE47 (20-21 May) Marrickville: <ul style="list-style-type: none"> ▪ MSB external works, boundary fencing, irrigation works, soft landscaping, FRP carpark ongoing. ▪ MSB drive way repair commenced ▪ Station secondary containment installation ongoing ▪ DCS Antenna frame completed ▪ Hearing loop works completed Canterbury: <ul style="list-style-type: none"> ▪ MEP Works – Station Masters Room – Complete ▪ Concourse – Installation of Public Art Glazing – Complete ▪ Installation of footbridge remaining glazing – Complete ▪ Earthing connection staircase – Complete ▪ Platform 0 fence panel install – Complete ▪ MSB concrete slab – Complete ▪ GST install on seg fence – Complete ▪ Ballast shoulder reinstatement – Complete ▪ Services connection in MSB and platforms – lights, fire, mech and comms – Ongoing ▪ Driveway remediation – Complete ▪ PUMS connections – Ongoing ▪ Tactile replacement – Ongoing ▪ MSB driveway – Ongoing ▪ Lift and concourse cladding – Ongoing ▪ Painting footbridge and concourse steel – Ongoing ▪ Installation of SM building cladding – Ongoing ▪ Hearing loops – Ongoing ▪ MSB landscaping commenced Lakemba: <ul style="list-style-type: none"> ▪ Concourse containment – Complete ▪ Ticket office and retail space electrical – Complete ▪ DCS antenna bracket – Complete ▪ Tactile install/rectification – Complete ▪ Damager sleeper rectification – Complete ▪ Platform building painting make good – Complete ▪ Hearing loops – Ongoing ▪ Car park construction once retaining wall complete – Ongoing ▪ Landscaping – Ongoing ▪ MSB and platform electrical and equipment install works – Ongoing 		
Key Construction Activities Look Ahead		
<p><u>All sites</u></p> <ul style="list-style-type: none"> ▪ Planning for July Shutdown (03-16 July) ▪ Continuation of high-level containment at all stations ▪ Continuation of MSB construction and/or fit-out ▪ Landscaping works within scope ▪ Complete fencing works within scope ▪ Defect repairs <p><u>Marrickville</u></p> <ul style="list-style-type: none"> ▪ MSB external works. Boundary fencing, irrigation works, soft landscaping, FRP carpark ▪ Complete fencing works 		



- Complete landscaping works

Canterbury

- Station precinct works
- Lift commissioning works
- Installation of hearing loops
- Concourse cable containment
- Framing and fit out of the retail shop and station master office
- Installation of lighting around station

Lakemba

- MSB fit-out and cable pulling
- Installation of hearing loops
- GST installation
- Fencing works

ER Inspections

Two ER inspections were conducted for MCL on 10 and 24 May 2023. Issues raised during the inspections included:

Canterbury:

- Charles Street Compound / MSB - Minor maintenance of ESC and clean-up of sediment was required. No tracking from the site was noted
- Additional ESC was recommended by the ER on the access ramps on both sides of the MSB and Cess adjacent to Platform 2. HSEJV installed additional ESC.
- It was noted that the fuel storage container had been overfilled, with some minor spillage noted on the asphalt
- Weed management was required around the compound

Lakemba (drive by due to local event)

- ESC maintenance in Railway Pde laydown area
- It was noted that weed management was required around the compound.
- ESC updates were recommended to live drains adjacent to the MSB



Photos	
	
Marrickville MSB – Landscaping south side	Marrickville MSB – Landscaping east side
	
Canterbury East MSB – additional ESC was recommended by the ER and installed by HSEJV	Canterbury access ramp west of MSB – additional ESC was recommended by the ER and installed by HSEJV. Mister in operation on top of ramp.
	
Lakemba – Asphalt works and landscaping in commuter carpark completed. Clean water drain was rebuilt as part of this work.	Lakemba – landscaping of the rail embankment commenced

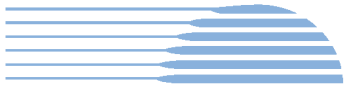


Endorsed Document/s
<ul style="list-style-type: none">▪ OOHW49 WE42▪ OOHW50 WK42-WE43
Non-Compliance/ Incidents or Repeat Complaints
Sydney Metro has been providing summaries of complaints to the Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have 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 no new NCRs for the month and four complaints relating to MCL works. No incidents were reported to the ER under condition A36 of SSI 8256. The complaints are summarised as follows: <ul style="list-style-type: none">▪ One complaint was received at Marrickville related to a construction vehicle parked on Myrtle Street. This was not related to Sydney Metro works▪ One complaint at canterbury regarding worker behaviour▪ One complaint at Canterbury regarding OOH noise▪ One complaint at Lakemba related to station design
Audits
No ER involvement was requested in audit activity including Independent Environmental Audits.
ER Closing Comments and Looking Forward – Core Focus Areas
The ER has continued to hold meetings with HSEJV and Sydney Metro to discuss the ongoing issues. Focus on noise, ESC and OOH works. Discussions continued with Sydney Metro regarding the remaining contractor scope and identifying potential low-risk OOHW, as well as implementing Package 4 closeout procedures. It is noted that a significant improvement in OOH works had occurred during the month. The ER notes that the sites are becoming stabilised, therefore reducing environmental risk. An assessment will be made over the next month to reduce inspection frequency at stabilised sites. Looking forward: <ul style="list-style-type: none">▪ Continued implementation checks for CEMP and sub plans, focusing on noise and ESC.▪ Stabilisation of landscaped areas▪ OOHWA approvals



13. 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)	Brett McLennan
Key Construction Activities During the Period		
<ul style="list-style-type: none"> ▪ Possessions WK43 (6-7 May) and WE47 (20-21 May) <u>Hurlstone Park</u> <ul style="list-style-type: none"> ▪ MSB –cladding installation completed and fit-out works continued ▪ MSB ramp 90% completed, paving works ongoing ▪ MSB landscaping works 90% completed ▪ MSB - Brick walls and drainage 95% completed ▪ Fencing behind Platform 2 commenced ▪ Bike hoops installed ▪ Plaza canopy works continued ▪ High-Level Containment at Concourse continued ▪ Lift installation for platforms one and two ongoing ▪ Stair canopy fit-out ongoing ▪ Rectification works ongoing <u>Belmore</u> <ul style="list-style-type: none"> ▪ Rectification work (possession dependent) ▪ MSB & Station small; scale electrical rectification ongoing. <u>Wiley Park</u> <ul style="list-style-type: none"> ▪ Landscaping of MSB area completed ▪ Landscaping of Cess completed ▪ Defect works at MSB and station – ongoing ▪ Platform and concourse building refurbishment works continued; high-level containment works to be completed <u>Dulwich Hill:</u> <ul style="list-style-type: none"> ▪ Plaza Landscaping – Footpaths, Paving Base Slab completed, 80% complete ▪ MSB fit-out work ongoing ▪ Brick works around the platform staircase and lift completed ▪ Asphalt works on the platform completed ▪ Fit out to footbridge – electrical, drainage etc ongoing ▪ Footbridge glazing, and roof structure works completed ▪ Electrical works on the platform – ongoing ▪ Lift commissioning works ongoing ▪ Rectification works ongoing 		

**Campsie:**

- Concourse MEP, Rough-In Works - 90% completed
- GST at MSB - Ongoing ~40% completed .(on hold pending Sydney Trains input
- Hydraulic Connections and works at platforms and in the rail corridor - complete
- Concourse Structural Steel New Canopy Works completed
- Concourse mesh screen installation 90% completed
- Concourse paving works 90% completed
- Station room aircon, bike room and shop 3 ~50% completed
- Canopy containment works ~95% completed – Pending HV Concession
- Lillian Lane footpath works on hold
- Platform 2 PID and DEC footing ~90% completed
- Installation of the station building and concourse distribution boards ongoing
- GST Dropper at MSB ~30% completed.(on hold pending Sydney Trains input)

Punchbowl:

- Site shed removal commenced
- MSB fit out continued
- MSB security fencing installation completed
- Platform fit-out ongoing
- Southern plaza landscaping works completed
- Northern Plaza (PAD) works completed and reopened to the public
- Lift commissioning continued
- Platform Tactile installation completed
- Concourse glazing panel completed
- Concourse Floor Surface coat completed
- Install Platform furniture, Aco drain, completed
- Platform Station and defects ongoing
- GST works / Installing FIP (Fibre cable) completed

Key Construction Activities Look Ahead**All Stations**

- Planning for July Shutdown (03-16 July)
- 701HV Feeder Testing and Commissioning
- 687HV UGOH VLF Testing and Commissioning
- Defect repairs

Hurlstone Park

- Install heritage bollards and balustrades to platforms
- Complete segregation fencing
- Minor rectification works
- Re-sheeting road on Railway
- High Level containment/cabling at Concourse
- Complete second lift installation

Belmore

- MSB and Station small-scale electrical fit-out.

Wiley Park

- Defect works at MSB and station platforms

Dulwich Hill

- MSB Fit out Works – Services Containment, Partitions & Linings, mechanical unit installation
- Plaza Landscaping – Footpaths, Paving Base Slab completed
- Fit out to footbridge – electrical, drainage etc ongoing
- Electrical works on the platform continue

Campsie

- Builder works – Station room aircon, bike room and shop 3
- MSB fit-out
- GST works
- Concourse MEP, Rough-in Works
- Station Platform MEP, Rough-in Works

Punchbowl

- MSB fit out
- Rectification works

ER Inspections

Two ER inspections were conducted for HBW and DCP on 10 and 24 May 2023. It was noted that Erosion and Sediment Control (ESC) was generally maintained, including after significant rain events during the month. Site-specific issues raised during the inspections included:

Punchbowl

- Minor ESC maintenance
- Vegetation protection zone maintenance (noted that site demobilisation commenced)

Dulwich Hill

- Minor ESC maintenance in the compound

Hurlstone Park

- Minor maintenance of ESC and covering drainage pits at the MSB

Campsie

- Concrete saw use without noise mitigation installed adjacent to commuters (Raised as NCR 30)
- Unapproved closure of Lillian Lane for material storage (raised as NCR 29)
- Removal of temporary bike facilities (under investigation)
- Improvements to ESC and minor tracking onto Lillian Lane (associated with unapproved closure)

Wiley Park

- Removal of ESC during landscaping. Downer reinstalled ESC prior to potential rain.
- Maintenance of landscaped areas, noting minor dieback in some areas.
- Ongoing weed maintenance

Belmore

- Minor ESC maintenance in the compound



14. Sydney Metro Retained Obligations (SM)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B)	Sydney Metro Retained Obligations (SM) /Other	Not applicable	Jo Robertson
Key Construction Activities			
SM	The ER is not aware of any CSW related SM construction activities other than as referred to on a package basis above.		
ER Inspections			
SM	▪ Nil		
Endorsed Document/s			
SM	▪ Nil		
Non-compliance/ Incidents or Repeat Complaints			
<p>Sydney Metro has been providing summaries of complaints to DPE daily, weekly and monthly 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 incidents raised by the ER against Sydney Metro for the period. There were no non-compliances reported to the ER against Sydney Metro during the reporting period.</p>			
Audits			
SM	<p>The Independent Audit Program has been finalised by WolfPeak and presented to the ER. The Auditor has reviewed historical non-compliance, complaints and incident data and consulted with the ER in the preparation of the Audit Program. The Auditor has also consulted with the ER when scoping specific audits.</p> <p>There are three IEAs proposed for 2023:</p> <ul style="list-style-type: none"> • IEA 1 – CPB LineWide • IEA 2- AWE Crows Nest ISD • IEA 3 – TBC (planning on a Southwest final works contractor). <p>IEA 1 kicked off with RFIs issued in late April, with the audit undertaken on the 3-4 May 2023.</p>		
Looking Forward – Core Focus Areas			
SM	<p>Sydney Metro is consulting with the EPA on applicable water discharge criteria for the operational water treatment plant at Marrickville.</p> <p>Noise and Vibration validation monitoring is being undertaken across the City ISD sites as part of Testing and Commissioning to ensure that operational plant and equipment comply with modelled noise requirements.</p>		



15. Statement of Limitations

Healthy Buildings International (HBI) has prepared this report in accordance with the requirements of Condition A24(l) of the Sydney Metro Conditions of Approval (CSSI 15_7400) and Condition A26(j) of the Sydney Metro Conditions of Approval (CSSI 17_8256). The report is for the sole purposes of Department of Planning and Environment (DPE) and Sydney Metro. It has been prepared based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made as to the professional advice included in this Report. This report did not assess any aspects relating to safety.

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