

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

7 April 2023
Ref: 170108-ER_DPE March 2023

Dear Rob

RE: Sydney Metro City & South West – ER Monthly Reports for March 23

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), MOD 3_ 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 **March 23**.

Yours sincerely



Jo Robertson
Environmental Representative

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

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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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. Waterproofing and tiling completed on Platform 15. Ongoing fit out activities for the Chillers and Ventilation Building – near complete. Ongoing fit out and commissioning of Metro Platform and other levels. Operation of permanent stormwater system. ▪ Central Walk – Ongoing use of south side of the Central walk and some of the north-south concourse for public while works are completed on the northern side. Ongoing fit out of new escalators with escalator to north to Platforms 22-23 operating. Other fit out activities. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. ▪ Sydney Yard – Small capacity WTP operating to treat some surface waters. Truck access; laydown. Reduced activities due to reduced works on the project. ▪ Northern Concourse – Ongoing works at intersection of Northern Concourse and Metro Box area. ▪ Eastern Entrance – Ongoing fit out and general construction activities. Fit out of escalators continued. Ongoing use of the footpath within the site hoarding in front of the site on Chalmers Street. Removal of the scaffolding at the rear of the building along Randle Street. Completion of the brick and block wall along Randle Lane. ▪ Devonshire Street Tunnel - In operation and used by commuters. ▪ CSR works Rail Institute – Works completed. ▪ ESR Concourse - Ongoing use of the area for laydown and construction support. Fit out, tiling and other construction activities ongoing. Public pedestrian access moved onto some completed areas. ▪ Ghost Platforms (above ESR Platforms 24-25) - Ongoing electrical, ventilation and other fit out. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Ongoing activities as described above ▪ Works in Randle Lane OOHs 			
ER Inspections			
<p>There was one ER inspection conducted during the reporting period on 15 March 2023. One issue was raised during the inspection related to maintenance required at ERSED controls at the Sydney Yard.</p>			



Photos



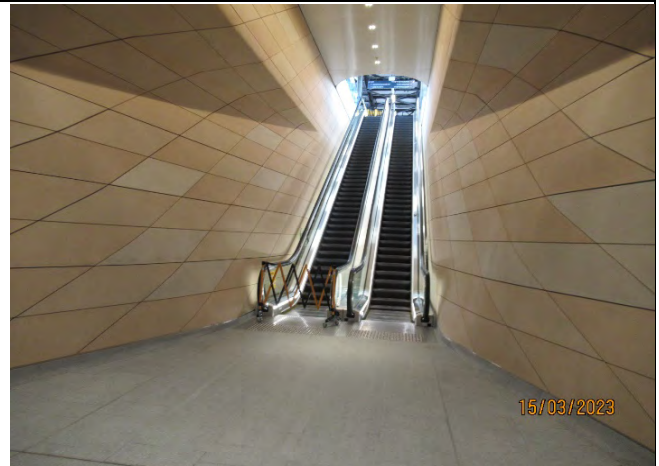
Eastern Entrance: View from Randle Lane of brick wall at rear of building.



Eastern Entrance: View from Randle Lane of brick wall at rear of building.



North/South Concourse: Ongoing fit out



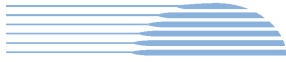
Escalators to Platform 22-23 Northside: Escalators operational.



Platform 14: Ongoing fit out of canopy and other areas



Platform 14: Ongoing tiling detail and fit out of the canopy.



Endorsed Document/s
▪ Nil
Non-compliance/ Incidents or Repeat Complaints
Two complaints were reported to have been received during the reporting period. One complaint was not related to LOR works. The other complaint related to personnel activities at the site access point at 60 Regent Street. LOR raised an internal incident report relating to this complaint with various corrective actions defined. No Incidents were reported that would trigger reporting under Condition A41 and no non-compliant events were reported or observed by the ER.
Audits
There were no audits conducted during the reporting period.
Summary of Environmental Performance
Good environmental performance was generally observed, noting no incidents reported and only low risk issues identified during inspections.
Looking Forward – Core Focus Areas
▪ 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 Linewide PC; JHLOR minor defect works ongoing. ▪ Portuguese Club / Former Fraser Park Ancillary Facility: In use by another contractor. Record of formal handover pending / satisfaction of landowner. No environmental issues remain open. ▪ Way Street Laydown: All JHLOR materials removed, including sandstone blocks. ENM Classification complete. Pending record of handover / satisfaction of Sydney Trains. ▪ Preparation of the Specific Element Conservation Management Plan (Deed requirement). 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Sydenham Station: New construction works proposed including buffer stops and track alignment within the station precinct during upcoming possessions (WE42, WE43, WE45 & WE47) ▪ Portuguese Club / Former Fraser Park Ancillary Facility: Tree removal and security fencing installation in new Area 20 during WE42. ▪ Formalisation of handover of laydown areas back to landowners ▪ Ongoing defect work. 			
ER Inspections			
ER inspections for SSJ now take place as part of the SMC_BEW_BAC ER inspections. There were no ER inspections conducted for SSJ in March 2023.			
Photos			
Nil			
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 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.			
<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 March 2023 that could be attributed to the SSJ works. 			
Audits			
No ER involvement in audit activity including Independent Environmental Audits.			
Summary of Environmental Performance			
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 and work during the WE42, WE43, WE45 & WE47 possessions. The ER is waiting on the completion of all scope and materials removal from laydown areas before handover and condition completion is finalised.			
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 (Tallowong to Bankstown)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Line Wide (Tallowong to Bankstown) Systems Connect (SC)	#21423 Line Wide #12208 Sydney Trains	Swathi Gowda
Key Construction Activities During the Period			
<p>Key Construction Activities below -SC Reports:</p> <p>Northern Connection</p> <ul style="list-style-type: none"> Northern Dive Portal - Survey works Testing and Commissioning (T&C) works progressing in Tunnels between Chatswood and Barangaroo <p>Chatswood Dive Site</p> <ul style="list-style-type: none"> Asbestos material loadout Pile break back Drainage preparatory works underway Dive building – Mechanical and Electrical (M&E) works; fit out works Permanent fence installation works continuing <p>Artarmon Traction Sub-station (TSS) - commissioning works.</p> <p>Blues Point</p> <ul style="list-style-type: none"> Remainder of paving works completed (section near Blues Point Rd and Henry Lawson Ave) Minor concreting works in pit on Blues Point Rd <p>SW Corridor Traction Substation sites:</p> <p>Dulwich Hill TSS</p> <ul style="list-style-type: none"> Electrical fit out works Installation of locks on substation steel doors Anti-graffiti painting of TSS façade underway FRP preparation <p>Canterbury TSS</p> <ul style="list-style-type: none"> Electrical fit out works Streetscaping works commenced - driveway excavation <p>Campsie TSS</p> <ul style="list-style-type: none"> Cable terminations in switch rooms Streetscaping works - driveway pour completed Streetscaping works - Kerb and Gutter FRP works progressing <p>Lakemba TSS</p> <ul style="list-style-type: none"> Electrical fit out works CSR works completed Cable pulling and FRP preparation <p>Punchbowl TSS</p> <ul style="list-style-type: none"> Streetscaping works commenced – driveway, kerb and gutter Cable pulling and FRP preparation. <p>HV cabling and jointing within rail corridor and Pad Mount Transformers (electrical connections) during standard hours</p> <p>Pat O'Connor (POC) Reserve, Canterbury – No works. Tree planting remaining on Ausgrid side of cable bridge.</p> <ul style="list-style-type: none"> Campsie BPS Joint Bay worksites: 			

- Jointing and testing at all joint bays completed by SC
- Ausgrid T&C works
- Dewatering during Standard Hours only (as required). No OOH Dewatering till date.

Southern Dive & SMTF South Marrickville:

- Operational WTP – Mechanical system commissioning; air and water balancing
- Administration Building - Furniture installation; T&C works ongoing
- Maintenance Building – T&C ongoing
- Fire Pump Room - T&C ongoing
- Stabling Yard – Rail-to-earth test completed; fence installation, walkway adjustments and defect rectification works
- Southern Dive - Façade installation works ongoing and energisation of UPS System
- Sydenham Station- Rail grinding works completed; T&C ongoing
- Civil Works - Landscaping and fence installation works
- Sydney Steel Road - Batter alignment, topsoil and mulch placement ongoing

Surry Hills BPS works – Frog Hollow Reserve

- Pending hand back to City of Sydney Council (CoS). Meeting held with CoS to establish scope of work and costing for final restoration works. Awaiting costing from CoS.

Key Construction works/activities Look Ahead

Look-ahead of upcoming activities /works:

- CTR Q3 2022 reporting/ review process continuing.
- Chatswood (intersection of Mowbray/Hampden Rd) OOHW for new water connection scope (potentially in April 2023, dependent on Sydney Water).
- Chatswood WE41 possession (within rail corridor between Nelson Ave and Seldon Ln) – minor civil/defect work, OHW testing, pulling and terminating cables.
- SW Corridor WE42, WE43 and WE45 possession related OOH works.
- Blues Point – minor maintenance/defect activities during Standard Construction Hours.
- SMTF S - Reporting for Cap and Containment Remediation works (near Gate S2).
- SMTF S - Relocation of services on Railway Parade, Marrickville during Standard Construction Hours – April 2023
- Campsie - Canterbury BPS works [Joint Bays at South Pde, Gould St and Cooks Ave (reopened mid-Feb 2023)] – further testing and commissioning works ongoing.
- Surry Hills BPS Works – Randle Ln Joint Bay reopened (20/03) – Testing and Commissioning works continuing.

ER Inspections

There were four ER inspections conducted by the ER in March (07/03/2023, 14/03/2023, 21/03/2023 and 28/03/2023). Key new actions/notes raised are summarised below, with close out provided/being provided by SC:

SMTF South and Surry Hills BPS works - ER Inspection #149 - 14/03/2023 [Tuesday; 2.6 mm rain since 9am (rain during parts of inspection and prior to inspection – 14/03); Rainfall previous days to inspection -1.0mm – 13/03 and 0.0mm 11/03 -12/03]:

- SMTF S - Shade cloth to be re-attached along section of fence (Sydney Steel Rd) and where section is missing on fence.
- SMTF S - General housekeeping (removal of waste/litter) required in laydown area where material had been removed recently and around pedestrian walkway (near Gate S2).
- SMTF S (adjacent to Stabling Yard) - SC informed the ER that only one generator is being used at this stage for commissioning activities, during daytime hours only. Discussed that noise mats to be re-installed appropriately in case OOH use is still planned. SC to confirm with Project Team and action accordingly.
- SMTF S - Controlled overflow strategy discharge location (near Southern Dive) - Replacement of damage bags/tidy up of area required.





Northern Sites - ER Inspection #150 - 21/03/2023 [Tuesday; 2.6 mm rain since 9am (21/03); Rainfall previous days to inspection - 0.0mm (18/03-20/03)]:

- CDS - New tagging observed on site hoarding at the time of the inspection.
- CDS - Note raised/discussed on-site re some localised dust observed from hammering work area and if wetting down was in place to minimise dust.

SW Corridor Traction Substation sites and BPS works - ER Inspection #148 and #151 – 07/03/2023 [(Tuesday; Total Rainfall recorded – 0.0mm; Rainfall (mm) recorded previous days to inspection - 3.2mm on 04/03, 0.2mm on 05/03 and 0.00mm on 06/03)] and 28/03/2023 [(Tuesday; Total Rainfall recorded – 0.4mm(28/03); Rainfall previous days to inspection – 0.0mm on 25/03, 1.4mm on 26/03 and 8.8mm on 27/03)]:

- Discussed and raised action to re-install tree delineation/signage (Canterbury TSS) (prior to physical works recommencing) and re-install section of tree delineation (along Lilian Ln side) at Campsie TSS.
- Campsie TSS - Action raised for records of waste classification for spoil stockpile at Campsie TSS to be provided to SM/ER including its end use (on-site or off-site disposal).
- Cooks Ave/South Pde Joint Bay Sites – Note raised regarding improvement/adjustment of noise blankets installed at two of the joint bay sites.
- Canterbury TSS - Maintenance action raised re removal of some sediment accumulated around controls and on removal of shipping container and replacement of damaged sandbags near headwall.
- Lakemba TSS - Action raised for installation of shade cloth missing on ATF panel near new driveway and removal of weeds on batter in accordance with Project FFBMP.
- Gould St Joint Bay - Action raised for some stabilising sand observed near lay flat hose/dewatering tank to be tidied up.

Photos

	
<p>CDS: Pile break back with handheld jack hammer underway (in shoring box).</p>	<p>CDS: View from Mowbray Rd Bridge. Permanent fence installation works continuing.</p>
	
<p>Northern Connection: Survey works underway in Northern Dive Portal.</p>	<p>Lakemba TSS: Cable pulling underway.</p>



<p>Northern Connection: Survey works underway in Northern Dive Portal.</p>	<p>Lakemba TSS: Cable pulling underway.</p>
	
<p>Punchbowl TSS: Noticeable grass growth observed on sections of batter previously hand seeded.</p>	<p>Dulwich Hill TSS: Anti graffiti painting of TSS façade underway.</p>
	
<p>Canterbury TSS: Internal TSS – electrical fit out works progressing.</p>	<p>Campsie TSS: Streetscaping (driveway and kerb/gutter) works continuing.</p>
	
<p>Lakemba TSS: Completion of CSR works.</p>	<p>SMTF S (near Gate S2) - Batter alignment, topsoil and mulch placement ongoing.</p>
	
<p>SMTF S - Planting commenced alongside newly installed fencing.</p>	<p>SMTF S - Southern Dive - Façade installation works ongoing.</p>

Endorsed Document/s
<ul style="list-style-type: none"> ▪ OOHW-275 - Chatswood Dive Sewer and Water Connection Works Rev 03B ▪ OOHW-287 - Southwest TNB Installation Punchbowl to Campsie WE32 Rev 01 ▪ OOHW-298 - Southwest HV Cabling Marrickville WE42 Rev B ▪ OOHW-301 - Southwest TNB Installation Canterbury to Marrickville ▪ OOHW-299 - Belmore Office Roof Cleaning WE43 ▪ OOHW-295 - Southwest Tiling and Sealing WE42-WE43 ▪ Utilities Management Strategy Rev 1.1
Non-compliance/ Incidents or Repeat Complaints
<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"> ▪ 01/03/2023 - Dulwich Hill Substation - Traffic, Transport & Parking- Resident complained that workers are using his driveway to do a three-point turn and that workers are driving onto his nature strip and damaging the grass. ▪ 04/03/2023 - Northern Connection - Noise & Vibration (OOHW)- Resident emailed stating Mowbray Rd work had severe impact on his sleep. ▪ 09/03/2023 - Barangaroo Station - Noise & Vibration (standard hours), Worker behaviour - Resident complained about loud music coming from Hickson Road shaft, Barangaroo. ▪ 11/03/2023 – Barangaroo Station - Noise & Vibration (OOHW) - Resident complained about hearing noise at 1:30am previous night (Friday 10th March) and again at 7:30am Saturday morning (11th March). ▪ 24/03/2023 - Northern Connection - Noise & Vibration (standard hours) - Resident complaining about overall noise for the duration of work and queried why she is not provided with respite for all that work in the area. ▪ 24/03/2023 - Campsie substation - Noise & Vibration (standard hours), Respite &AA - Resident emailed to complain of noise behind their property and ask for respite vouchers as compensation. ▪ 30/03/2023 - Campsie to Canterbury power upgrade (LWW) - Cumulative impacts, Property – Access, Restoration – Stakeholder would like a concrete timeline of what’s happening and why the joint bay has been opened so long and been reopened. Also frustrated that the joint bays are opened and then they see no movement for weeks at a time. Also mentioned that house being built next door makes the impacts even more significant. <p><u>Complaints during this reporting period unrelated to SC/SM activities:</u></p> <ul style="list-style-type: none"> ▪ 17/03/2023 - Northern Connection (Chatswood)- Traffic, Transport & Park - Driver complained about an alleged SM truck, which swerved into his side of the road and almost caused an accident. Complaint further investigated and deemed not related to SC/SM activities.
Audits
<ul style="list-style-type: none"> ▪ Nil this reporting period.
ER Closing Comments and Looking Forward
<p>Key Points:</p> <ul style="list-style-type: none"> ▪ Complaints received in reporting period are summarised above. ▪ ER notes two OOH noise complaints received in reporting period – one related to OOHW on Mowbray Rd (sewer/water connection) and the other related to SC OOH demobilisation works at Barangaroo on

one night (for which, AA/ER raised improving coordination for future OOHW between both Contractors to minimise potential for cumulative noise impacts).

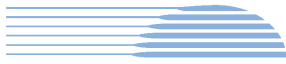
- ER continues to closely monitor/review complaints from BPS worksites (one complaint received in reporting period)
- Overall, the Project continues to generally perform well, with ER Inspections across this month identifying generally minor actions and improvements.
- The Project Team continue to be responsive to queries/comments raised in document reviews/discussions and any recommendations made by the ER.

Looking forward:

- Chatswood (intersection of Mowbray/Hampden Rd) OOHW for new water connection scope (potentially in April 2023, dependent on Sydney Water).
- Chatswood WE41 possession
- SW Corridor WE42, WE43 and WE45 possession related OOH works
- Campsie - Canterbury BPS works [Joint Bays at South Pde, Gould St and Cooks Ave (reopened mid-Feb 2023)] – further testing and commissioning works ongoing. Contingency OOHW for dewatering (weather dependant) BPS joint bays with anticipated completion in mid- May 2023. SC reports no OOHW dewatering undertaken till date.
- Surry Hills BPS Works–Randle Ln Joint Bay reopened (20/03) – Testing and Commissioning works continuing.

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 (Indicative Only for March 2023)			
<ul style="list-style-type: none"> ▪ Tunnels: Ongoing installation of cables and trackside equipment in tunnels and Cross Passages (XPs) ▪ 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 ○ Installation of signalling equipment in the yard ▪ Southwest Substations: <ul style="list-style-type: none"> ○ Cable pulling, radio mast install and cabinet installation in station equipment rooms ▪ Southwest Corridor: <ul style="list-style-type: none"> ○ Installation of fibre and cable along Sydney Metro cable containment ○ Delivery and installation of Sydney Metro equipment at Stations and Metro Service Buildings ▪ Stations: ▪ Central, Martin Place, Victoria Cross, Pitt Street, Barangaroo, Waterloo, Crows Nest and Sydenham: Testing and Commissioning (T&C) of Platform Screen Doors (PSDs) and ongoing installation of communications and signalling equipment. ▪ 			
Key Construction Activities Look Ahead – Indicative Only for April 2023			
<ul style="list-style-type: none"> ▪ Low Speed Dynamic train testing commencement between Chatswood - Sydenham ▪ Tunnels: Ongoing installation of cables and trackside equipment in tunnels and XPs ▪ 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, Cabinet installation in station equipment rooms ▪ Southwest Corridor: <ul style="list-style-type: none"> ○ Mechanical install of communications equipment ▪ Stations: ▪ Central, Martin Place, Victoria Cross, Pitt Street, Barangaroo, Waterloo, Crows Nest and Sydenham: T&C of PSDs and ongoing installation of communications and signalling equipment. 			
ER Inspections			
<ul style="list-style-type: none"> ▪ No ER inspections conducted in March. 			
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"> ▪ Delivery and installation of OSOM (PCB) ▪ Steel fixing and shuttering (Sites A - C) ongoing ▪ OSOM deliveries Concrete pumping and pouring from Pacific Highway and Clarke Lane ▪ B2 to B1 and ground Perimeter walls FRP and concrete pours ▪ Services, finishes and fit out of B5 platform, B4 OTE, B3, B2 plant room ongoing ▪ Public domain work at Clarke + Oxley Street ongoing ▪ Public domain for Sydney Water ongoing ▪ Demolition of the capping beam for Site A ongoing ▪ Hume Street triangle – excavation, concrete pour and asphaltting completed ▪ Girder deliveries for B1/Level 0 			
Key Construction/Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Demolition of the capping beams (Site A ongoing, Site B in April) ▪ Removal of Tower Crane #2 ▪ Tower Crane #4 installation ▪ Steel fixing and shuttering (Sites A - C) ▪ B4 OTE cladding and fit out ▪ B1 and ground Perimeter walls FRP and concrete pours ▪ Level 1/Level 0 form, reo and pour (FRP) ▪ Concrete pumping and pouring on Pacific Highway/Clarke Lane. ▪ Services, finishes and fit out of B5 platform, B4 OTE, B3 plant room. ▪ Potholing, service investigations and removing the gantry ▪ Public domain works for Sydney Water ▪ Public domain work at Clarke + Oxley Street ▪ Concrete Pours on Oxley St 			
ER Inspections			
<p>There were two ER inspections conducted on 10 and 22 March 2023. The following issues were raised:</p> <p><u>Inspection of 10/3/23</u></p> <ul style="list-style-type: none"> ▪ Footpath access was maintained for pedestrians. ▪ Discussed risks of not having clean water diversions in place. ▪ Erosion and sediment control (ESC) was maintained. ▪ Minor correction of the installation of noise blankets to minimise gaps was required. <p><u>Inspection of 22/3/23</u></p> <ul style="list-style-type: none"> ▪ Sealing of exposed areas has been undertaken to reduce erosion and sediment control risks. ▪ Footpath access was maintained for pedestrians. ▪ ESC was maintained. ▪ Minor sediment accumulation under Hume Street skip bins required maintenance. 			



HBI

Healthy Buildings International Pty Ltd

Photos



Clark St – Utility and public domain works



Clark Lane North – View south



Clarke Lane South - Clarke Lane South and Site B scaffold



Site C: view northeast



Site A view north: L2 FRP with Hume St FRP foreground



Hume St looking west: Level 0 slab and Bridge FRP



Site B view south with Hume St FRP foreground



Clark St Triangle: view south

Endorsed Document/s

- Clarke Lane North Minor Ancillary Facility – Extension to 30 June 2023
- OOHWA 25.1 – Extended Work hours With Tower Crane 3
- OOHWA 25.2 –Extended Work hours - Extension to 30 June 2023
- OOHW 29 – Sydney Water Main
- OOHW 30 – Girder Deliveries
- CEMP Rev 6
- GWMP Rev E
- CHMP Rev 3
- CVLMP Rev 2
- CSMP Rev C

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 for the month and nine 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 included issues relating to property access, transport and safety

Two included issues relating to air quality

Two included issues relating to noise during standard hours

Three included issues relating to business impacts and compensation

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 monitor OOHW and adjust as required.

Monitor public domain works for community impacts and ERSED impacts.

ER Closing Comments:

Collaboration is ongoing between the AWE teams during ER inspections and the setback of previous staff changes has been a minor setback for the project. The ER noted that discussions with the upper AWE site management on the requirement of planning approvals and environmental performance have occurred, and AWE are taking active steps to improve its processes.

Community management included discussions on inquiries and complaints, feeding back to the site and using the feedback for proactive notifications to address community angst.

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 installation L2-4 commenced ▪ Last station pour excluding infills completed ▪ Escalator installation ongoing ▪ Blockwork up to Level 00 completed ▪ Front of-house tiling commencing ▪ OSD slab pours commenced. <p>Pitt Street South</p> <ul style="list-style-type: none"> ▪ Installation of façade GRC & aluminium louvres and blockwork on levels 3 to 5 ▪ Perimeter Scaffold Stripping ongoing for all Bathurst Street and scaffold strip commenced ▪ Front-of-house works (glazed wall linings, sandstone and finished ceilings) ongoing ▪ Installation of cables in line-wide risers ▪ Plant room installation of level 5 ongoing <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 (85% completed) ▪ Aluminium tube ceiling install 85% 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 installation ongoing ▪ Blockwork install ongoing <p>Pitt Street South</p> <ul style="list-style-type: none"> ▪ Installation of façade GRC & Aluminium Louvers across levels 3, 4 and 5 ▪ Block-work between levels 00 - 05 ▪ Fit-out 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 <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 			
ER Inspections			
<p>There was one ER inspection on 28 March 2023 (ER inspections are 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): Level 4 Preparation for louvre install



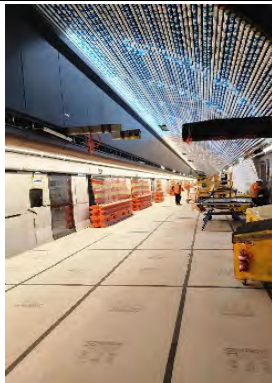
PSS: Level 5 podium/Level 6 façade walls adjacent to Princeton Apartments were sealed



PSS view from Pitt St / Bathurst St



South Cavern – installation of reinforced glass panels



West

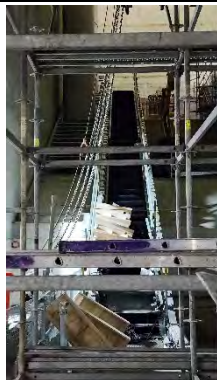


East

Adits: Electrical services continued to be installed.



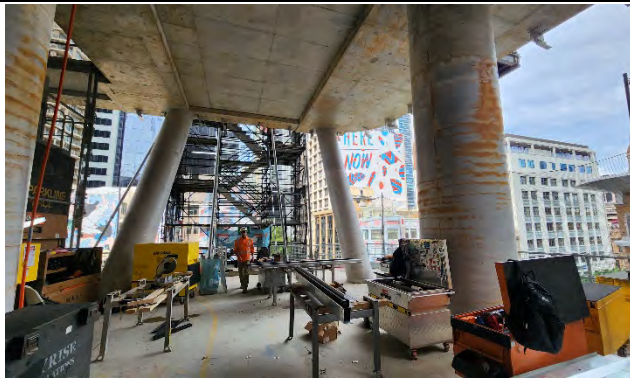
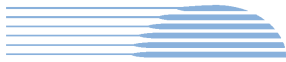
PSN: From Castlereagh St/ Park St



Pitt Street North (PSN): Escalators installed at Level B4



PSN: Level 5 scaffold removal



PSN –Level 4 atrium

PSN Castlereagh St delivery area: concrete delivery

Endorsed Document/s

- PSISD – OOH_0054 - April to June 2023 Application (Rev 1.1)
- PSISD – OOH_0054 - April to June 2023 Rev 2
- OOHWA 50 Jan – March Rev10
- Pitt Street Integrated Station Development - Construction Environment Management Plan (CEMP).
- Pitt Street Integrated Station Development - CHMP

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 each package below:

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.

There were no non-compliances/incidents related to the project reported to the ER this period.

There were six complaints during the period:

- Five were for Noise, one was from a guest of the Castlereagh Boutique Hotel and four were from the staff at the Kimpton Margot Hotel. All complaints were related to OOHW.
- One was for visual amenity from a light that was not related to Sydney Metro Activities.

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



OOHW are planned to continue, including utility installations.





ER Closing Comments:

Project has performed well throughout the period, with minimal complaints related to the project despite the level of activity in surrounding public domain areas. The project comms team has been working with the stakeholders on a regular basis and the project is continually investigating alternative construction sequencing and approaches, including pushing for earlier ROLs to ensure impacts from out of hours work are minimised.

The sites have been maintained well and it was noted that the comms, safety and environmental team, has a great working relationship with construction staff.

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 09/03/23:</p> <ul style="list-style-type: none"> ▪ Cranage works from Cope Street and internal site ongoing ▪ General deliveries ongoing ▪ Minor Form Reo Pour (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 ▪ Demobilising temporary site sheds (North of Church) ▪ Façade installation ▪ Civil works on Cope Street 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> ▪ CTR Q4 2022 review/endorsement ▪ Utility investigation and works in local roads around site, including proposed OOH ▪ Capping beam removal 		
ER Inspections		
<p>ER inspections are on a monthly cycle weather permitting. One ER inspection was conducted by the ER on 09 March 2023 [Thursday; 0.00mm rain since 9am (09/03) and rainfall (mm) previous days to inspection - 0.00mm (06/03 – 08/03)].</p> <ul style="list-style-type: none"> ▪ No new issues/actions were raised. ▪ Some notes were raised to consider localised noise blanket installation for rock breaking activity during Standard Construction Hours (capping beam removal) if reasonable/feasible; minor rubbish noted in Spill Kit (rectified immediately by JHG) and one chemical container noted without secondary containment. 		
Photos		
		
<p>WL ISD – Botany Rd - footings for light poles poured on footpath (Botany Rd).</p>	<p>WL ISD – Cope/Wellington St – Geotechnical investigation works underway for Civil Package of works.</p>	

	
<p>WL ISD – Southern Building – View from Cope St Site Compound - fit out and service installation works ongoing.</p>	<p>WL ISD – Southern Building - View from Wellington St – Louvre installation work ongoing.</p>
	
<p>WL ISD - Capping Beam removal with excavator and breaker attachment on South-Eastern end of Cope St.</p>	<p>WL ISD – Northern Building – View from Cope St Site Compound - fit out and service installation works ongoing.</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ OOHWA #51 - March, April, May 2023 (Utilities) Work Rev C ▪ OOHWA #47 - Lighting Install Rev 02 	
<p>Complaints / Incidents / Non-compliance</p>	
<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. 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>	
<p>Nil non-compliances (NC) were reported to the ER during this reporting period. No minor (Class 3) events reported to the ER during this reporting period. Complaints during reporting period are summarised below:</p> <ul style="list-style-type: none"> ▪ 09/03/2023 – WL ISD – Noise and Vibration (OOHW) - Caller advised noise is loud, they cannot hear themselves sleep and want to know when it will stop. ▪ 25/03/2023 - WL ISD– Noise and Vibration (Standard Hours), Worker behaviour - Complaint from resident regarding loud jack hammering on Saturday morning and ongoing issues with littering from workers around site. ▪ 31/03/2023 – WL ISD – Three complaints x Noise & Vibration (Standard Hours), Respite and AA – Respite (for one of the complaints) - regarding jackhammering from three different complainants on Wellington St. Contractor reported that jackhammering that caused the disturbance was stopped on receipt of the third complaint. <p>Complaints unrelated to WL ISD/SM activities during reporting period:</p> <ul style="list-style-type: none"> ▪ Nil 	
<p>Audits (specific to packages reported in this report)</p>	
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>	

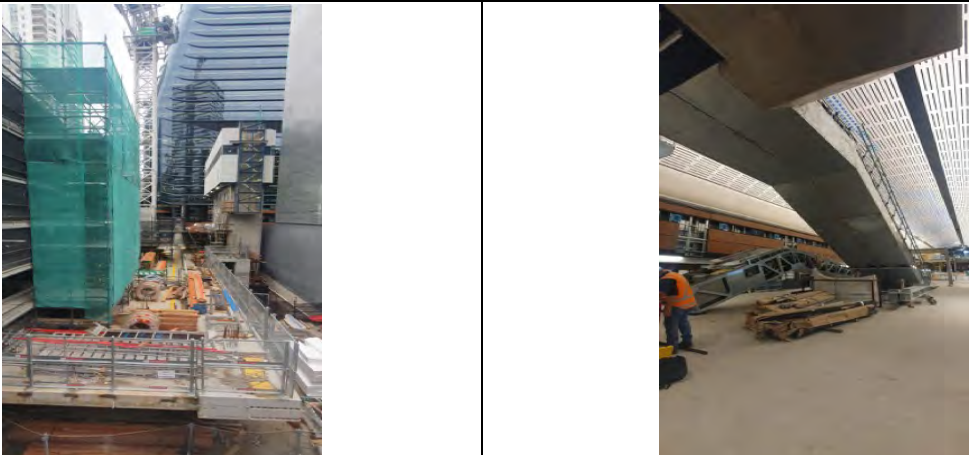
**Looking Forward – Core Focus Areas and ER Closing Comments****Core Focus Areas**

- Continue to review/monitor OOHs planned and approved and promote the inclusion of noise mitigation wherever practicable.
- Continue to review/monitor complaint numbers and issues – specifically around Capping Beam removal following noise complaints in this reporting period and re-commencement of some Utility Works (OOH).

ER Closing Comments:

- Complaints numbers increased in reporting period (in comparison to Jan and Feb 2023 – nil complaints).
- One OOH Noise Complaint received from Wellington St was further reviewed by AA/ER and recommendations provided to the Contractor to consider, for future (OOH) works above ground within Southern Building.
- Noise Complaints related to jack hammering (during standard hours) reviewed further to confirm measures being investigated/implemented by JHG – JHG reports that measures such as discussions with complainants included explaining the works, machinery involved, duration, respite hours implemented, noise monitoring, offering RO and installation of localised acoustic screens/blankets for jack hammering works for a section of capping beam removal works (where investigated and determined as feasible).
- Overall, the Project has performed generally well throughout the period and continues to be responsive to queries/comments raised in document reviews/discussions and any recommendations made by the ER.

8. ISD – Victoria Cross

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) No EPL	Victoria Cross ISD (VC-ISD) Lend Lease	Swathi Gowda Michael Woolley
Key Construction Activities During the Period		
<p>Construction Activities - Update provided by LL on 29/03/23:</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 and Denison St Carpark slab complete Low rise commercial building – Level 3 Concrete works on Level 4 Station Jumpform Level 5 Jumpform pours and lifts Blockwork Service and fit out below the top deck 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> Denison St/Miller St stormwater work CTR Q4 2022 review/endorsement Review and endorsement of management plans (scheduled review of EHS Plan/CNVMP) 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 28 March 2023 [Tuesday; 0.00mm rain (since 9am) on 28/03; rainfall (mm) previous days to inspection - 6.2mm (25/03), 2.8mm (26/03) and 4.4mm (27/03)]. The following new issues/actions were raised:</p> <ul style="list-style-type: none"> Miller St – Stormwater worksite: Raised action for replacement of geofabric covers on two drains near the Stormwater worksite (if not already lined). Denison St - Stage 3 Stormwater worksite: Discussed and raised replacement of coir log (downslope). 		
Photos		
		

<p>VCS: View of Carpark Slap (completed) and Low-Rise Commercial Building (Level 3)</p>	<p>VCN – Station Cavern: Escalator installation underway.</p>
	
<p>Station Cavern: Façade installation above trackway, station fit out and GRC panels progressing.</p>	<p>VCN: View of VCN from McLaren St - Façade installation on Southern side</p>
 	 
<p>VCN Miller St: Stormwater excavation works continuing.</p>	<p>VCS - Denison St - Stage: Stormwater excavation works continuing.</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ OOHWA#15 –North Site Evenings OOH Rev 20 ▪ OOHWA#20 - North Site Weekends OOH Rev 12 ▪ OOHWA#24 - North Site Utility Investigations Rev 3 ▪ OOHWA#25 – North Site Utility Works (Miller St) Rev 2 ▪ Denison St Stormwater Upgrade Consistency Assessment Rev 5 	
<p>Complaints / Incidents / Non-compliance</p>	
<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. 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 incidents reported to the ER during this reporting period.
- One non-compliance reported to the ER during this reporting period and summarised below:
NCR raised against CoA E36 following complaint relating to hours of work received on 24/03/2023 from a complainant on Berry St. Audio from noise monitoring at the site showed minor construction activities (formwork construction) commencing prior to 7am within the station site. NCR raised against CoA E36, as the current OOHWA for the South site does not permit works prior to 7am. Actions raised/being implemented include toolboxing construction personnel and sub-contractors to ensure that construction works do not commence prior to 7am and amendment of OOHWA to include additional area where no works are to occur 7-8am weekends, and past 10pm weeknights to manage OOHW noise impact at the South Site.

Project related complaints during the reporting period are summarised below:

- 24/03/2023- VC ISD - Noise & Vibration - OOHW; Noise & Vibration - Standard hours; Notification of work; Working hours - Complaint received by stakeholder (Berry St) regarding works taking place at 6.40am yesterday and 6.50am today and until 10.45pm each day. Suggested there has been an increasing disregard for the residents. Refer NCR raised above.

Complaints unrelated to LL/SM activities for this reporting period:

- 8/03/2023 - Noise & Vibration – OOHW - Resident querying the recent increase in noisy works at night over the past few weeks. Resident stated the works are not “super noisy but it’s the random banging and drilling which is quite distinct and carries quite far.”
- 18/03/2023 - Noise & Vibration - OOHW; Noise & Vibration - Standard hours; Notification of work; Working hours - Stakeholder raised an enquiry relating to noise being heard from site at 6am for the last couple of days in week ending 19/03/2023.

Further investigation of both complaints deemed not related to LL/SM activities.

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

- Denison St/Miller St stormwater work (Standard Construction Hours)
- Continue to review/monitor OOHWs planned and approved and promote the inclusion of noise mitigation wherever practicable.
- Continue to review/monitor complaint numbers and issues.

ER Closing Comments:

- Complaints received during the reporting period are as summarised above.
- One OOH noise complaint relating to the South Site. NCR raised following complaint investigation (refer above) and on further review of the Complaint – ER/AA recommended that applicable OOHWA be also amended to include mitigation measure of additional area where no works are to occur 7-8am weekends, and past 10pm weeknights to manage OOHW noise impact at the South Site.

Project has performed generally well throughout the period and continues to be responsive to queries/comments raised in document reviews/discussions and any recommendations made by the ER during the reporting period.

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>Bligh Street:</p> <ul style="list-style-type: none"> Site has been handed over to the ETP package on the Metro West Project. <p>Martin Place South (MPS)</p> <ul style="list-style-type: none"> Ongoing construction (FRP) of walls; columns, beams and floor slabs Other general construction activities Ongoing use of new temporary pedestrian crossing of Martin Place between Elizabeth and Castlereagh Streets under B Class Hoarding Works in the area of the former temporary pedestrian crossing bridge General OOHs including ongoing utility works on Elizabeth Street and hoarding works <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 Various works within the SSD well above the SSI level Tower crane operating adjacent Elizabeth Street Operation of concrete pumps from within the building after handover of the Bligh Street works. <p>Station Caverns and Adits</p> <ul style="list-style-type: none"> Fit out activities including installation of panelling, services and fire safety systems Line Wide works in the station caverns – separated from Lend Lease activities 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 Utilities works OOHs in Elizabeth and Castlereagh Streets 			
ER Inspections			
<p>There were two ER inspections conducted during the reporting period on 2 March 2023 (as reported on in the February ER Report) and on 31 March 2023. No issues were raised during these inspections. Site activities continue to be repetitive in nature and are building related works rather than civil works.</p> <p>The Bligh Street site was handed over to ETP contractors in March hence inspections were not conducted at Bligh Street for the inspection dated 31 March 2023.</p>			



Photos



Martin Place North: Views from street level on Martin Place looking west across Elizabeth Street



Martin Place North: View from street level on Castlereagh Street and Hunter Street corner.



Martin Place: Concrete slab in place. Use of area for laydown.



Martin Place - Platforms: Ongoing fit out works.



Martin Place South: Jump form use ongoing.



Martin Place South: Ongoing building works inside scaffolding. Ongoing use of jump form.



Endorsed Document/s
▪ Mitigation measures regarding construction activities associated with a Consistency Assessment were reviewed related to safeguarding the MLC pedestrian link at Martin Place.
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)	N/A	Jo Heltborg
Key Construction Activities During the Period			
<p>Civil:</p> <p>Zone 1 (Main Site):</p> <ul style="list-style-type: none"> Backfill and sheet pile removal complete for the H01-02 stormwater line; Planning for clean-out of the twin H01-02 pipes to harbour Stockpiling of spoil (for H01-02 backfill/reuse) and WTP filter cake Water Treatment Plant (WTP) operation Setup of the Temporary WTP (TWTP) in preparation for WTP relocation Preparation for future condensed water scope in the vicinity of the existing WTP Stockpiling of spoil and imported tunnel spoil from Rozelle Interchange and VENM from Balgowlah and other sources. <p>Zone 2 (Shark's Fin):</p> <ul style="list-style-type: none"> Ongoing backfill of the shark's fin; Construction of Street D; Excavation of HV pit ongoing. <p>Zone 4 (Hickson Road wall):</p> <ul style="list-style-type: none"> Backfill and compaction around ventilation pods, Hickson Road. Installation of stormwater services; Vibration monitoring ongoing for Hickson Road wall. <p>Zone 5 (The Cutaway):</p> <ul style="list-style-type: none"> First section of condensed water pipes pressure tested and backfilled; Scaffold bridge complete and in use, with pedestrian diversion in place. <p>Zone 6 (Hickson Road, under bridge):</p> <ul style="list-style-type: none"> High voltage (HV) installation under approved Out of Hours Works Application OOHWA-012 (night works) ongoing. <p>Station Box:</p> <ul style="list-style-type: none"> Northern shaft handed back to BESIX Watpac on 17/3/23; Strip out of scaffold and services commenced 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. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> Stormwater diversion from Hickson Road Landscaping and sandstone reinstatement in Zone 5 Ongoing HV works, Zone 6 Hickson Road under OOHWA-012 Clean-out of the H01-02 stormwater connection pipes to Sydney Harbour; subject to confirmation of methodology, risk assessment and CEMP update Preparation for WTP relocation, operation of Temporary WTP (TWTP), and completion of condensed water main installation and connection Continuation of strip out of northern shaft; Planning for backfill with concrete (proposed out of hours under CoA E48(e) haulage and delivery of spoil and materials) - future OOHWA-014 Planning for temporary relocation of Jemena gas main from the acoustic shed to the Hickson Road heritage wall Planning for acoustic shed demolition. 			

ER Inspections

There were two inspections conducted by the ER in March 2023 (9/03/23 & 23/03/23). Issues raised and discussed were as follows:

- Incident on 26/2/2023 resulting in an overflow of the WTP bund was discussed. As was raised in an email from the ER to the contractor on 6/3/23, the draft incident report did not include information about the location, overland path, or volume of overflow - which was captured in a low point in the Shark's Fin. The incident report focused on a small leak in a valve which resulted in a small volume of water leaving the site in the direction of Nawi Cove. BESIX Watpac has agreed to investigate why the WTP operator did not become aware of the issues with the WTP (which had stopped discharging and bund filling up, eventually overflowing, for 24 hours). It is understood the WTP compressor stopped working due to a power outage, the backup compressor had been unplugged and water was still being pumped to the WTP until security reported the issue/overflow.
- An intermediate bulk container (IBC) of sodium hydroxide was stored on a bund labelled potassium permanganate – the contractor should ensure compliance with relevant Australian Standards for labelling of hazardous chemicals.

Photos



Temporary WTP setup near the site hoarding



New bund for WTP



Pedestrian diversion scaffold bridge



Northern shaft handed over to BESIX Watpac for backfill



Ongoing installation of the ventilation pods in Zone 4



Construction of ventilation pods ongoing



Well maintained site access

Endorsed Document/s

- Sydney_Metro_Upcoming_Compliances_Barangaroo-2022-Q1-Q2_Rev02, 7/3/2023
- Out of Hours Works Application (OOHWA)-016 POD Cranage 2 (South), 16/3/2023
- Consistency Assessment Approval Temporary Gas Line Hickson Road Wall, 24/3/2023

Non-compliance/ Incidents or Repeat Complaints

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:

- **18/3/2023:** During the week 13/3/23 to 17/3/23, the Temporary Water Treatment Plant (TWTP) was installed on site. This included installing the pipework to supply the untreated water from B3 to the TWTP, and the pipework between the TWTP and existing water treatment Plant (WTP). The connection of this pipework to the untreated water supply (cutover) was not planned to take place until the update of the CEMP and WQMP had been approved by Sydney Metro and the ER. There was a miscommunication between the team managing the approval of the CEMP and the team installing the TWTP, where the team installing the TWTP understood that they could make the cutover to the TWTP and pump the water through the TWTP so long as the water was not chemically treated by the TWTP

before being pumped to the WTP for treatment as currently approved under the CEMP. The contractor is working to implement a number of controls and actions to prevent ongoing re-occurrences. There was one non-compliance (NC) reported to the ER for Barangaroo Station for the period however this was raised against Sydney Metro. Refer to the Sydney Metro Retained Obligations chapter of this report.

Investigations for WTP incidents on 26th February and 18th March remain under investigation to determine whether there were any associated NCs.

The ER is aware of two complaints reported during March 2023 related to BESIX Watpac works:





- **Complaint ID 4523 (Received 17/3/2023, Reported 22/3/2023):** Complaint received in relation to noisy night time jack hammering and request for compensation and noise monitoring. A review of the schedule of works for that night showed no jack hammering was undertaken and review of noise monitoring data demonstrated noise levels were below those predicted in OOHW-012 for HV works on Hickson Road. Noisy works under the OOH were not scheduled after midnight. An email response was provided to the resident after phone contact was unsuccessful after several attempts.
- **Complaint ID 4500 (Received 9/3/2023, Reported 10/3/2023):** A noise complaint was received during out-of-hours work to install high voltage infrastructure along Hickson Road under OOHW-012. Discussion with the environment team determined the noise source was likely to have come from the replacement of road plates and demobilisation. BESIX Watpac will investigate options with the subcontractor, to help mitigate the noise impacts when packing up site at the end of the shift.
- **Complaint ID 4562 (Received 28/3/2023, Reported 28/3/2023):** Repeat complaint re noise coming from the southern end of the site. BESIX current works under OOH-012 are at the northern end of the site. Lendlease has been contacted to discuss current works at the southern end of the site, which appears to be the likely source.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

11. Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW) & 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 and Low Impact Works Activities - During the Period			
<p>Southwest Metro Corridor (SMC):</p> <ul style="list-style-type: none"> ▪ GST snag list complete; All culvert and relining works complete. ▪ Track survey works ongoing. ▪ Stage 2 & 3 design review for security fencing. ▪ Pit dewatering from Stacey Street Bankstown to Wiley Park. ▪ Qenos pipe (hazardous waste) transport and disposal to QLD. ▪ Church Street, Hurlstone Park: Pile installed, cap poured and stripping on Tuesday 28/3 ▪ Canterbury Compound: Site offices and amenities, fuel and gas storage; Weed management and TSOM office demobilisation. ▪ Belmore Triangle, Redman Parade: Wastewater storage; Materials storage. ▪ Urunga Parade, Punchbowl: Materials storage inside the corridor under A16. Pit dewatering via sucker truck. Completion of hi-rail access milling. Demobilisation of Punchbowl ancillary facility. <p>Out of Hours Work:</p> <ul style="list-style-type: none"> ▪ 6th and 8th March – Punchbowl Hi-rail access. Night shift for mill edges and spray seal asphalt. <p>Bankstown Early Works (BEW):</p> <ul style="list-style-type: none"> ▪ Nil. <p>Bankstown Station & Additional Corridor (BAC):</p> <ul style="list-style-type: none"> ▪ Nil. 			
Key Construction Activities Look Ahead			
<p>Out of Hours Work:</p> <ul style="list-style-type: none"> ▪ WE42 (20-23rd April 2023) & WE43 (15-16th April 2023) Possessions - Bolting in piles for seg fence, ULX install, survey work, signal and comms work, commissioning of crossovers at Campsie. PB – OHW scope, screen install at Stacey Street. ▪ WE45 (6-7th May 2023): No freight on ARTC line – allow for piling of seg fence. ▪ WE47 (20-21st May 2023): Only SM tracks. Similar to WE42/43. 			
ER Inspections			
<p>There was one ER inspection conducted in March 2023 (28/3/23) due to minimal activity and low environmental risk. There were no actions raised and the inspection.</p> <p>Inspections have been reduced to monthly due to limited activities and low environmental risk, as determined by JHLOR and Sydney Metro in consultation with the ER.</p>			

Photos	
	
<p>Piles for bridge throw screens installed, Church Street Bridge, Hurlstone Park</p>	<p>Pit dewatering, Urunga Parade, Punchbowl</p>
	
<p>Hi-rail access complete, Urunga Parade, Punchbowl</p>	<p>Demobilisation of A19 Minor Ancillary Facility (MAF), The Boulevard Punchbowl</p>
Endorsed Document/s	
<ul style="list-style-type: none"> ▪ SMC_BEW Environmental Completion Form Q4 2022_Rev01, 14/3/2023 ▪ SMC_BEW Environmental Completion Form Q4 2022_Final, 22/3/2023 	
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 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 no Class 3 environmental incidents reported to the ER during the period. The ER is not aware of any complaints received during March 2023 related to the SMC works.</p>	
Audits	
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>	
Summary of Environmental Performance	
<p>Environmental risks on site are generally low and limited to possessions.</p>	

Tree removal within station precincts and compliance with tree numbers in the SPIR remains an ongoing focus, particularly in relation to security fencing design. The scope and details for construction of this element is also pending.

Looking Forward – Core Focus Areas

- Management of ERSED controls generally
- Management of noise during OOH Work e.g. WE42 and WE43 Possessions
- Completion of the Q1/Q2 2023 Compliance Tracking Report (CTR)
- Condition completion and close-out of environmental issues and sites for BAC and BEW utilising the ER inspection process.

12. Marrickville, Canterbury & 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		
<p>Marrickville:</p> <ul style="list-style-type: none"> ▪ MSB external works, boundary fencing, irrigation works, soft landscaping, FRP carpark ongoing ▪ Construction of the shared user path asphalt works completed, fencing to commence ▪ Station Street re-grading works completed ▪ Station secondary containment installation ongoing ▪ DCS Antenna frame 60% completed (pending possession) <p>Canterbury:</p> <ul style="list-style-type: none"> ▪ MSB - continuation of service installation and utility connections, internal blockwork ongoing ▪ Painting in MSB commenced ▪ GST brackets and containment city and country end ongoing ▪ Installation of Lift 1 and 2 equipment ongoing ▪ HV pit installation ongoing ▪ Installation of louvres, downpipes, guttering and flashing, painting footbridge and concourse pending possession. ▪ Canopy cutback works ongoing ▪ Radio mast cable installation ongoing ▪ Station Masters Room MEP works ongoing ▪ Installation of boundary fence in MSB car park commenced ▪ Installation of RMS fence on Canterbury Road and Broughton St commenced <p>Lakemba:</p> <ul style="list-style-type: none"> ▪ MSB internal fit-out and utility installation continued ▪ GST Installation continued ▪ Platform high-level containment works ongoing ▪ MSB stormwater connection and backfilling completed ▪ Hearing loops installation ongoing ▪ Negative bus bar installation completed ▪ Security fencing installation ongoing ▪ Platform condenser works completed 		
Key Construction Activities Look Ahead		
<p><u>All sites</u></p> <ul style="list-style-type: none"> ▪ Possessions WK42 (15-17 April) and WE43 (20-24 April) ▪ Continuation of high-level containment at all stations ▪ Continuation of MSB construction and/or fit-out at all stations ▪ Landscaping works ▪ Complete fencing works <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 <p><u>Canterbury</u></p> <ul style="list-style-type: none"> ▪ Station precinct works ▪ MSB cladding ▪ Lift commissioning works ▪ Complete fencing works 		

- Installation of hearing loops
- Concourse cable containment
- Landscaping
- Excavation for MSB and ULX pits LCR connection
- Framing and fit out of the retail shop and SMO
- Installation of lighting around station

Lakemba

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

ER Inspections

Three ER inspections were conducted for MCL on 1, 15 and 29 March 2023. Issues raised during the inspections included:

Marrickville:

- MSB - Scouring of landscaped mulch had occurred after several rain events and maintenance of the ESC was required. HSEJV updated all controls and directed water through sediment controls.
- Closure of Station Street had occurred without appropriate permits in place. This was raised as NCR-047.
- Station street – A block saw was operating without appropriate noise mitigation, HSEJV installed noise blankets during the inspection.

Canterbury:

- Charles Street Compound / MSB - Minor maintenance of ESC and clean-up of sediment was required. No tracking from site was noted.

Lakemba

- Maintenance of ESC – It was noted that clean water was scouring DBG adjacent to the MSB. The ER suggested that controls be installed to redirect clean water from the work areas.
- Minor housekeeping (rubbish and laydown) was required.

Photos



Marrickville MSB Driveway and fencing



Marrickville footpath between Victoria Rd and Riverdale Ave



HBI

Healthy Buildings International Pty Ltd



Canterbury MSB



Canterbury 6 Charles St laydown



Lakemba Scouring of DGB



Lakemba Fence installation work

<p>Endorsed Document/s</p> <ul style="list-style-type: none"> ▪ OOHWA-051 HSEJV CAN Low-impact works (April non-possession works) ▪ OOHW-048 CAN MSB internal painting ▪ OOHW-047 LAK Cable Pulling
<p>Non-Compliance/ Incidents or Repeat Complaints</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 MCL.</p> <p>The ER is aware of one new NCR for the month and two complaints relating to MCL works. There were no incidents for MCL reported to the ER under condition A36 of SSI 8256.</p> <p>The NCR (NCR047) was for the unapproved closure of Station Street at Marrickville outside of possession periods.</p> <p>The complaints are summarised as follows:</p> <ul style="list-style-type: none"> ▪ One noise complaint from Canterbury that was not related to Sydney Metro activities. ▪ One complaint was received at Canterbury for lack of wet weather protection at the completed bus shelters and Platform 1 stairs. It was noted that the complaint was after a heavy storm event.
<p>Audits</p> <p>No ER involvement was requested in audit activity including Independent Environmental Audits.</p>
<p>ER Closing Comments and Looking Forward – Core Focus Areas</p> <p>The ER has continued to hold meetings with HSEJV and Sydney Metro to discuss the ongoing issues. Focus on noise, ESC and working within approved permits was the focus throughout the month. Discussions continued with Sydney Metro regarding the remaining contractor scope and identifying potential low-risk OOHW, as well as implementing Package 4 closeout procedures.</p> <p>Looking forward:</p> <ul style="list-style-type: none"> ▪ Continued implementation checks for CEMP and sub plans, focusing on noise and ESC. ▪ CTR Q3 2022 endorsement, review CTR Q4 2022 ▪ Stabilisation of landscaped areas ▪ OOHWA approvals ▪ ER Inspections will target OOH works throughout April.

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		
<p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> ▪ MSB –cladding installation and fit-out works continued ▪ Plaza canopy works continued ▪ High-Level Containment at Concourse continued ▪ MSB ramp earthworks completed, and asphaltting commenced ▪ MSB driveway pour completed ▪ MSB Chillers installed ▪ Landscaping of rail embankment completed ▪ Lift installation for platforms one and two <p><u>Belmore</u></p> <ul style="list-style-type: none"> ▪ MSB landscaping completed ▪ MSB – drainage rectification works completed ▪ Plaza opened to public and minor electrical works (lighting) completed ▪ Plaza bike racks and drinking fountain installed ▪ Rectification work to RMS fence 50% completed (possession dependent) ▪ Station ceiling rose repair completed ▪ GST rectification works completed ▪ Site demobilised 31 March 2023 <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> ▪ Security fence and segregation fence installation completed ▪ Platform and concourse building refurbishment works continued; high-level containment works to be completed during the upcoming possessions ▪ Concourse works completed ▪ Plaza works completed ▪ Landscaping works majority completed ▪ Site demobilised 31 March 2023 <p><u>Dulwich Hill:</u></p> <ul style="list-style-type: none"> ▪ Precinct FRP for walkway ongoing ▪ Footbridge fit out continued, roof insulation install and glazing ongoing ▪ MSB fit out work ongoing ▪ GST rectification works completed 		

**Campsie:**

- Concourse MEP, Rough-In Works - 90% completed
- GST at MSB - Ongoing ~40% completed
- Hydraulic Connections and works at platforms and in the rail corridor ~30% - complete
- Concourse Structural Steel New Canopy Works recommenced
- Station room aircon, bike room and shop 3 ~35% completed
- Canopy containment works ~95% completed – Pending HV Concession
- Lillian Lane footpath ~75% completed
- Security fencing works ongoing
- Platform 2 PID and DEC footing ~90% completed
- Installation of the station building and concourse distribution boards ongoing
- GST Dropper at MSB ~30% completed.

Punchbowl:

- MSB fit out continued
- MSB landscaping works completed
- MSB security fencing installation ongoing
- Platform fit-out ongoing
- Southern plaza landscaping works continued
- Northern Plaza (PAD) works commenced, asphalt footpath, turf and fencing completed.
- Lift commissioning continued
- Install Platform furniture ~80%, Aco drain lift 2 ~30%, platform station buildings ~50% (possession dependent works)
- GST accessories ~80% completed (Pending possession)
- Cable pulling ~80% completed (Pending possession)

Key Construction Activities Look Ahead**All Stations**

- Possessions WK42 (15-17 April) and WE43 (20-24 April)
- 701HV Feeder Testing and Commissioning
- 687HV UGOH VLF Testing and Commissioning

Hurlstone Park

- Ramp paving works
- PID footing works
- Platform stair canopy installation
- Stair lighting works
- Install heritage bollards and balustrades to platforms
- Asphalt works on Platform 1 and MSB
- Complete segregation fencing
- Minor rectification works
- MSB steel installation work completion under possession

Belmore

- MSB and Station small scale electrical fit-out.
- Rectification work to the RMS fence

Wiley Park

- Complete landscaping
- Project snagging works

Dulwich Hill

- Installation of Stair 2 and 3 canopies
- Roofing and drainage works for the footbridge
- Platform drainage works
- Install platform furniture
- Lift commissioning

Campsie

- Builder works – Station room aircon, bike room and shop 3
- Concourse installation, installation of structural steel
- MSB fit-out
- GST works

Punchbowl

- south plaza landscaping and surrounds
- North plaza landscaping
- GST works

ER Inspections

Three ER inspections were conducted for HBW and DCP on 1, 15 and 29 March 2023. It was noted that ESC was generally maintained, including after significant rain events during the month. Site-specific issues raised during the inspections included:

Punchbowl

- Minor Erosion and Sediment Control (ESC) maintenance
- Tree damage (broken limb)

Wiley Park

- Minor maintenance of ESC
- Contractor parking
- Pedestrian access

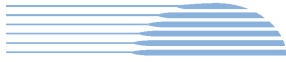
Dulwich Hill

- Graffiti management
- Noise mitigation during standard hours

Hurlstone Park

- Minor maintenance of ESC

Photos	
	
<p>Dulwich Hill: Platforms, Plaza to the left and Footbridge stairs and roof installation in background.</p>	<p>Campsie: Concourse structural steel installation and pedestrian access</p>
	
<p>Punchbowl: north plaza footpath and turf</p>	<p>Hurlstone Park: MSB rail embankment landscaping.</p>
	
<p>Belmore: Plaza</p>	<p>Wiley Park: Plaza bike racks and drinking fountain.</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ OOHWA#31.1 - Belmore GST works ▪ OOHWA#31.2 - Belmore GST works 	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<p>Sydney Metro has been providing daily summaries of complaints to the Department of Planning and Environment (DPE) 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>	



The ER is aware of two non-compliances for the month and 11 complaints relating to DCP and HBW works. There were no incidents reported to the ER under condition A36 of SSI 8256.

The NCRs are summarised as follows:

NCR027 – Unapproved use of rattle guns and grinder during OOHWA30 (Campsie) (CoA E20(d))

NCR028 – High impact works commencing before 8am (CoA E24)

The complaints are summarised as follows:

- One complaint from Dulwich Hill regarding rats and water management
- Four complaints from Hurlston Park regarding vehicle parking (one not related to Sydney Metro activities)
- One complaint regarding noise from an unsecured door after site closure (closed within 30 minutes of complaint)
- Two complaints regarding air quality and odour from landscaping works, one including increased flies.
- One complaint regarding contractor behaviour (package delivered to stakeholder's door)
- One complaint from Punchbowl re contractor behaviour – using tap without the stakeholder's permission.
- One complaint from Campsie regarding property access and traffic control

Audits

No ER involvement was requested in audit activity including Independent Environmental Audits.

ER Closing Comments and Looking Forward – Core Focus Areas

The ER discussed potential environmental issues with Downer throughout the month, in particular maintenance of ESC after storm events and during landscaping, noise mitigation and contractor behaviour. Contractor end-of-project lethargy has been raised as an issue with Sydney Metro as a potential risk as Downer wraps up site Construction activities and staff exit the project.

Looking forward:

- Continued implementation checks for CEMP and sub plans, focusing on ESC and community impacts.
- Compliance Tracking Q3 2022 endorsement, commence Q4 2022 review.
- Coordination meetings with Sydney Metro and contractors for OOHWA.
- Package 5 and 6 PC handover

14. 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
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 was one non-compliance (NC) reported to the ER for Barangaroo Station for the period that was raised against Sydney Metro.</p> <ul style="list-style-type: none"> ▪ 23/3/2023: The end date for use of a parcel of land in the Barangaroo Additional Temporary Land Consistency Assessment (CA) lapsed, and a revision of the CA was not completed for an extension of this end date for further works required. 			
Audits			
SM	The ER is yet to be updated on the Audit program for 2023.		
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 Industry and Environment (DPIE) 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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