

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

1 April 2022

Ref: 170108-ER_DPIE-March 2022

Dear Rob

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

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

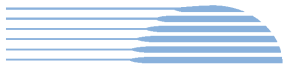
- Condition A24 (l) of the Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 Approval (9 January 2017) and associated modifications MOD1_Victoria Cross and Artarmon (18 October 2017), MOD2_Central Walk (21 December 2017), MOD4_Sydenham Station and Metro Facility South (13 December 2017), MOD3_Martin Place Metro Station (22 March 2018), MOD5_Blues Point Acoustic Shed (2 November 2018), MOD6_Administrative Changes (21 February 2019), MOD7_Administrative Changes (29 June 2020), and MOD8_Blues Point Access Site (25 November 2020); and
- Condition A26 (j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI_8256 Approval (12 December 2018) and associated modifications MOD1_Bankstown Station.

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

Yours sincerely

Jo Robertson
Environmental Representative

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



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1. Central Station

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Central Station	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 construction activities for the Chillers and Ventilation Building. Installation of platform Canopies ongoing and new canopies installed on Platform 14. Installation of skylight panels in Platforms 12 and 14 involving coring and sawing of concrete. Fit out of the Platform and other levels. Various FRP works including mole holes. Ventilation fans operating in Mole Hole 3 with silencers. Removal of concrete by sawcutting to access rail levels. Installation of escalators and fit out within the various levels. ▪ Central Walk – Last of the FRP works for wall and floor slabs occurring. Ongoing installation of new escalators and final panels around the new escalators. Other fit out activities. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. ▪ Sydney Yard – Removal of the main Water Treatment Plant with water directed to Line Wide WTP at Marrickville, except where capacity was not available. A small capacity WTP operating to treat surface waters. Truck access; laydown. Stockpiling area now being used for laydown. ▪ Northern Concourse – Ongoing works at intersection of Northern Concourse and Metro Box area. ▪ Eastern Entrance – FRP for walls; floor slabs and columns inside the shaft up now above ground level. Randle Lane closed. ▪ Devonshire Street Tunnel - In operation and used by commuters. ▪ CSR works Rail Institute – Barriers remain in place for compound area used to support drilling of bores for CSR between Ghost Platform and Metro Box. ▪ ESR Concourse - Ongoing use of the area for laydown and construction support. Fit out and other construction activities ongoing. ▪ Ghost Platforms (above ESR Platforms 24-25) - Ongoing electrical and other fit out. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Ongoing activities as described above 		
ER Inspections		
<p>There was one ER inspection conducted on 30/03/2022. Due to the wet weather and safety risks, LOR conducted an inspection on 2 March 2022, photos of which were shared during a meeting on the same day. Due to COVID isolation requirements, SM conducted an inspection on behalf of the ER on 16 March 2022. The key issues raised during these inspections were:</p> <ul style="list-style-type: none"> ▪ Sydney Yard: Maintenance of ERSED Controls. <p>Water management continued to be a challenge during the period with excessive rainfall on a number of days; the WTP being de-commissioned; and Line Wide not able to accept water. LOR reported that water was pumped to the surface and on to the WTP and noted there was some pooling of water on the surface where some water is likely to have overtopped controls to the environment (ballast). Discharge of water to the environment is covered under the Water Overflow Strategy. It was agreed that this document should be updated to better reflect the current site arrangement.</p>		

Photos	
	
Northern Concourse	Northern Concourse
	
Removal of concrete sections across where tracks are to be constructed	Removal of concrete sections across where tracks are to be constructed
	
Platform 14/15 Canopy installation and other works	Platform 12/13 Canopy installation and other works
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 as well as to the ER. There were no complaints reported during the reporting period.
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No non compliances were observed by the ER or reported to the ER during the reporting period.

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

There were no audits conducted during the reporting period.

Looking Forward – Core Focus Areas

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| <ul style="list-style-type: none">▪ Water Management |
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2. Sydenham Station and Junction (SSJ)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Sydenham Station and Junction (SSJ)	Jo Heltborg
Key Construction Activities During the Period		
<ul style="list-style-type: none"> Fraser Park Ancillary Facility: Demobilisation and clean-up complete including removal of sites sheds, generators, storage containers and amenities. CSR Laydown Area / SEC Carpark Bridge: Area removed from JHLOR PC; Footings for security fencing installed during the WE32 possession. Posts and panelling to be installed during the WE34 possession. Geotechnical Area: Completion of security fencing underway. Main Site / Development Area: Swale, ecoblanket, seeding and stabilisation complete. Blockwork wall complete. Ongoing defect work underway. Sydenham Station: Sydney Metro screen door installation on Platforms 1, 2 & 3 by TSOM. Secondary Plaza: Operation of TSOM site compound continued with JHLOR as the Principal Contractor. Sydenham Road: Works complete and landscaping established. Garden Street: Crash bollard scope complete. Shade cloth being applied to boundary fencing. Area to be handed back to the public for parking. Sydenham Pit and Pumping Station / Confluence Area: Works complete adjacent to RW4; some remaining materials to be removed. Finalisation of Sydenham Pit and Pump Station handover to Sydney Water in progress. Way Street Laydown Areas: Materials removal ongoing for handover to Sydney Trains. XPT Laydown: Sydney Trains handover process to be formalised. Carrington Road Laydown: Spoil load-out to Gateway project continued. Sydney Water handover process to be formalised. Bedwin Road: Completion of boundary fencing (including solution for residents at Edgeware Road apartments) underway. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> Geotechnical Area: Final gate design and installation. Garden Street: Completion of landscaping. Bedwin Road and Edgeware Road: Completion of fencing. Sydenham Pit: Handover to Sydney Water. Way Street & XPT Laydown Areas: Preparation for handover to Sydney Trains. Carrington Road Laydown: Spoil load-out to Gateway ongoing prior to handover to Sydney Water. TSOM site compound: Continued operation. Ongoing defect work (station, CSR pits). 		
ER Inspections		
<p>There was one ER inspection conducted by the ER in March 2022 (15/03/22). The key issue raised at the inspection was:</p> <ul style="list-style-type: none"> the responsibility for graffiti removal at the Bedwin Road footbridge to be confirmed and removed in accordance with the Visual Amenity Management Plan. 		

Photos



Graffiti was observed on the Bedwin Road bridge



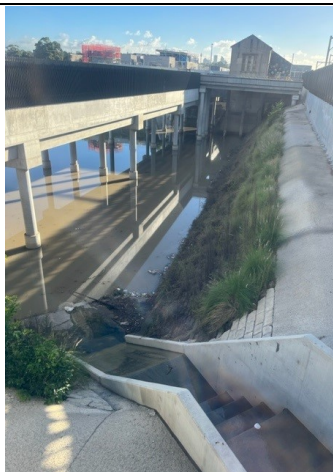
Installation of Sydney Metro screen doors (TSOM)



Topsoil had been placed across the development site and a swale (with jute mat) had been installed through the centre of the development site.



Lanscaping and public art installations were being maintained in good condition.



Sydenham Pit contained water at a shallow level and was no longer in use by the project.



Construction of crash bollards at the end of Garden Street for protection of the aqueduct had commenced.



Completion of boundary fencing, including a Colourbond/mesh solution for residents of the Edgeware Road apartments was underway.

Endorsed Document/s

- Sydney_Metro_Upcoming_Compliances_SSJ_Q4-2021

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 SSJ.

- The ER is not aware of any non-compliances for SSJ for 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 2022 that could be attributed to the SSJ works.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas

- Review of spoil waste classification, beneficial re-use and waste tracking records
- Completion of selected Conditions of Approval and REMMs
- Completion of the SSJ CTR 2022 Q1

3. Line Wide (Tallawong to Bankstown)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Line Wide (Tallawong to Bankstown)	Swathi Gowda (North /South) George Kollias (Alternate ER)
Key Construction Activities During the Period		
<p>Key Construction Activities below, as reported by Systems Connect (Contractor) for Line Wide Works:</p> <p>Northern Hub (Incorporating Chatswood Dive Site Northern Connection, Hopetoun Ave and Valetta Lane)</p> <p>Chatswood Dive Site (CDS)</p> <ul style="list-style-type: none"> Ground slab works continuing for future northern dive building Ongoing deliveries for tunnels and logistics <p>Northern Connection</p> <ul style="list-style-type: none"> Concrete delivery in progress within Mowbray Rd Compound Preparatory works underway for track slab concrete pour (Area 2) Breakout of shotcrete wall (Area 4) Form Reo Pour (FRP) works in area 3/5 <p>Hopetoun Ave</p> <ul style="list-style-type: none"> Hopetoun Ave – worksite demobilised <p>Artarmon Traction Substation (TSS)</p> <ul style="list-style-type: none"> External lighting works underway Cable pulling, testing and commissioning works continuing Installation of facade panels on TSS largely completed with minor section remaining (on Access Gate) <p>Blues Point</p> <ul style="list-style-type: none"> General fill placement and compaction of the surface level of site Excavation and saw-cutting the final blocks of concrete structures Site sheds demobilised and removed from site, since last ER inspection <p>SW Corridor Traction Substation sites - note minimal to no works across TSS sites during site inspection. Scheduled works included below:</p> <ul style="list-style-type: none"> Canterbury and Dulwich Hill TSS – no works Campsie TSS (testing and commissioning inside buildings): <ul style="list-style-type: none"> HV functional testing and commissioning Fibre and earthing install Install steel columns and beams Lakemba TSS (no works) <ul style="list-style-type: none"> Continue patching and commence gantry works Site deliveries Modular buildings and transformers delivered/installed on WE38 possession Punchbowl TSS (no works) <ul style="list-style-type: none"> CSR, FRP works and steel fixing <p>Canterbury to Campsie BPS</p> <ul style="list-style-type: none"> Pat O'Connor (POC) Reserve, Canterbury: <ul style="list-style-type: none"> Cable bridge works completed POC Reserve restoration works – ballast track removed and ESC installed. Spoil removal from Anzac St compound Campsie BPS Joint Bay worksites (Anzac St, Cooks Ave and Gould St (Canterbury) – demobilised on 18th Feb 22 Anzac St (Canterbury) - communication fibre pulling works, backfilling of excavation and restoration of disturbed areas is scheduled (weather permitting). <p>Southern Dive & SMTF South Marrickville – no works in external areas due to wet weather and only works in Administration Building and Covered Shed reported. Ongoing works or works scheduled below:</p> <ul style="list-style-type: none"> Maintenance Building – steel installation works Administration Building –scaffolding and cable tray installation 		

- Bin Area – blockwork and subsoil drainage
- Covered Shed – wall panels and cable tray install
- Fire Control Building – blockwork
- Southern Dive Building – cable tray and electrical service installation

Key Construction works/activities Look Ahead

Look-ahead of upcoming activities /works:

- Campsie BPS Joint Bay cable removal cable pulling and dewatering works (Standard Construction Hours)
- OOHW Campsie BPS Joint Bay dewatering works (contingency OOHW for dewatering, dependant on wet weather – mid April to mid-May)
- Blues Point – water management / site dewatering activities (as required); concrete breaking and Henry Lawson Reserve restoration works (weather permitting), during standard construction hours
- Compliance Tracking Report (CTR) - Q4 2021 CTR reporting and review process for LWW continuing
- Six monthly monitoring report preparation

ER Inspections

There were three ER inspections conducted by the ER in March 2022 (01/03/22; 15/03/22; 29/03/22). Key notes/issues raised are summarised below:

Southern Dive & SMTF South Marrickville:

ER Inspection #102 SMTF S and BPS – 01/03/22 (Tuesday)

Canterbury to Campsie BPS - Pat O'Connor Reserve (Canterbury):

- Cable bridge worksite (Ausgrid side) - section at top of the batter was observed to be uncovered with evidence of erosion on geofabric protecting remaining batter. Additional sediment controls in place alongside Cup and Saucer Creek. Action raised and closed out by SC, following ER Inspection on 1/3/22.
- Anzac St Compound Access - sandbags installed to control sediment run-off. Discussed additional ESC required to manage minor run-off observed on pedestrian footpath (within the Reserve) during the inspection. Action raised and closed out by SC, following ER Inspection on 1/3/22.

Southern Dive & SMTF South Marrickville:

- Damaged sediment controls and minor rip noted on geofabric protecting stormwater drain within the 'Clean Water Management' Zone area SC informed the ER that it was highly likely that mobile plant had driven over drain controls. Action raised and closed out by SC, following ER Inspection on 1/3/22.
- SC informed the ER that street sweeper had been mobilised on 1st Mar 22 morning. Evidence of cleaning undertaken by SC street sweeper was observed in sections of the gutter apart from areas where cars were parked (due to restricted access). Sediment accumulated in kerb drain around parked car would be removed during scheduled maintenance. Ongoing monitoring and maintenance required.

Northern Hub, Artarmon – TSS and Blues Point Access Site

ER Inspection #103 – 15/03/2022 (Tuesday)

Blues Point Access Site

- Paint flakes (minor quantity) from concrete barrier observed in a section of the gutter, with remainder of gutter in area clean at the time of inspection. SC informed the ER that paint flakes would be removed. Note raised and closed out by SC on 15/3/22, following the ER inspection

SW Corridor Traction Substation sites

ER Inspection #104 - 29/03/2022 (Tuesday)

Canterbury TSS

- Discussed general housekeeping required at TSS worksite post WE39 possession. SC informed the ER that housekeeping is scheduled, however scheduled works on-site have been affected by Covid impacts on workforce and weather. Note raised for photos to be provided to ER following clean-up.

Punchbowl TSS

- Waste noted in front of container to be removed. Action raised and closed out by SC.

Photos



Blues Point Access Site - General fill placement and compaction of the surface level of site continuing.



Northern Connection - Preparatory works underway for track slab concrete pour (Area 2). Form Reo Pour (FRP) works in Area 3/5.



Blues Point Access Site -Example photos of ESC installed along sections of the site.



Blues Point Access Site – Compacted drainage channel established with sump (on Beach Access/Harbour side of the site) to manage surface water.

	
SMTF- S - Operational WTP – clarifier tank works progressing.	Administration Building - scaffolding and cable tray installation works.
	
Canterbury TSS – Modular building and transformers delivered/installed over WE39 possession.	Lakemba TSS – Modular buildings and transformers delivered/installed on WE38 possession.
Endorsed Document/s	
<ul style="list-style-type: none"> OOH -197 WE38 Lakemba TSS Delivery and Lift and Drainage Works OOH- 195 Campsie TSS WE38 HV Cabling OOH-198 WE38 Canterbury TSS Civil Works OOH-196 WE39 Southwest Corridor HV Cabling Zone 2 OOH-199 Surry Hills BPS Randle Ln Investigation Nightworks March 2022 Rev B OOH -184 WE39 Canterbury TSS Building and Tx Delivery and Civil Works - Rev.01 OOH - 203 Campsie TSS WE39 Façade Installation OOH - 208 Electrical Testing & Commissioning' for the Artarmon TSS works OOH – 211 Artarmon BPS Cable Pulling and Joint Bay Dewatering 	
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>There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256. No minor incidents (Class 3 events) reported to the ER, for this reporting period.</p>	
<p>Non-compliances: Two non-compliances reported to the ER in this reporting period:</p> <ul style="list-style-type: none"> On 21/03/22 NCR (Blues Point) recorded, following a complaint received on 18/03/22 (refer below Complaint section) and further investigation of the complaint by SC found that the truck was a SC subcontractor's (P&M Galea) vacuum truck that had failed to comply with road rules and the Blue's Point CTMP/site access protocols . The vacuum truck had been observed by complainant to be parked in excess of 30 minutes in East Crescent St (6m off Blues Point Rd) and in a 'no stopping zone' facing the wrong way on a one-way street. Actions were raised and closed out/in the 	

process of being closed out including toolbox delivered to P&M Galea operators to reconfirm requirements for access in/ around the Blues Point project and reminder letter sent to suppliers on the back of this NCR of BP's CTMP key requirements /site access protocols.

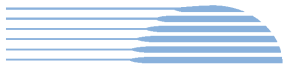
- 1/03/22 - SMTF South - SDPP– NCR recorded for finalisation and works that have commenced on installation of external facades of the Covered Store building at SMTF S, prior to the SMTF South Precinct SDPP being approved by DPE (CoA E101). The draft SDPP has been subject to numerous iterations and review by the DRP with most recent advice and action record (dated 19 Nov 21) stating *"The Panel supports the presented visual impact assessment and notes that Viewpoint 11 could be considered to have a minor positive impact as opposed to a minor adverse."* All outstanding comments from the DRP relate to minor landscaping recommendations which are currently being addressed before the SDPP can be finalised, endorsed by the DRP and submitted to DPE for approval. Furthermore, the Covered Store (building in question) is located within the central portion of a 6-hectare SMTF industrial facility with minimal opportunity for direct public visibility and will be used as a material storage shed during construction of SM works and then be modified to be incorporated as part of a permanent materials storage facility to support SM's infrastructure maintenance operations. The construction of the architectural finishes for the building will therefore only be finalised after the SDPP is approved. The building sits alongside several temporary structures as part of the extensive SM construction site in the Marrickville industrial area. Actions were raised and closed out including most recent draft version of the SDPP and the most recent DRP advice to be provided to DPE immediately to allow for the review process to begin; endorsement of SDPP by DRP and final SDPP and DRP advice to be provided to DPE for approval (submitted on 4 Apr 22).

LW Northern Sites - Complaints:

- 2/3/22 - Blues Point (BP)– noise (standard /OOHW)– Resident responded to EDM about urgent dewatering work required on-site and complained that on-going work had been of great disturbance to the residents at BP, especially concrete breaking activities over the past two weeks. Resident further stated she was not offered any compensations or respite to help reduce the impacts. SC further investigated the complaint, noting respite hours implemented for high impact noise works and responded to resident outlining criticality of the works and noting endeavours to complete these works ASAP, while minimising impact.
- 18/3/22 – Blues Point -traffic, transport & parking - Resident complained about a dewatering truck parked on East Crescent St in a non-stopping zone, more than 500m away from BP Site; truck idling for more than 30 min, facing the wrong way in a one-way street - supplying photo evidence. Refer NCR recorded above.
- 22/03/22 - Blues Point –noise /notification of work - resident complained about commencement of works in the area (operating since 6:45am) and enquired about duration/ completion dates of the work. SC investigated and confirmed that the daily pre-start was held at 6:45am and work started at 7am with first truck arriving on-site between 7 and 7:15am. SC contacted resident regarding investigation and enquiry but resident stated will call SC back when suitable.
- 25/03/22- Blues Point noise (standard hours) and dust complaint – Resident complained that her building block is losing tenants due to on-going works; amount of dust she witnessed from a truck while being loaded was excessive and she mistook it as fire (supplied image of truck within site boundary) and that noise from recent transformer demobilisation was "horrendous". SC investigated further regarding dust and that removal of transformer was not impactful activity and beyond standard construction noise. SC informed the resident that trucks are allowed to idle within site boundary as they wait to be loaded and drive away from site. Due to the on-going wet weather, the dust is contained however, spotters are in place to wet any concrete or other material before loading into the trucks to ensure dust is minimised as much as possible.
- 25/03/22 -Northern Connection – noise (standard construction hours) - resident complained about recent noisy day work. SC investigated and confirmed that the work was standard day time work in the rail corridor (not out of the ordinary), had been ongoing for months and will continue till about June. SC responded and apologised for the construction noise, explaining what the work was and how long it would go on for and offered to discuss further.

LW Southern Sites - Complaints:

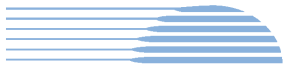
- 21/03/2022 - Lakemba substation – utility supply interruptions - resident informed SC SEM that Mains power had not been returned to the property after property was on generator power. SC SEM investigated further and informed the resident the power would be switched over from the generators to the Mains and to be in contact if it had not.
- 26/03/2022 - Canterbury substation - traffic, transport & parking – resident complained about traffic impacts at Hutton St (Canterbury) and that temporary measures (referred to "road closure") are unsafe and obstructing traffic in case of an emergency. SC investigated and explained to the resident that there is no road closure, but traffic controllers are on-site to facilitate safe movement of heavy vehicles in/out of site and to ensure safe flow of local traffic. SC assured resident that she can drive her car from her property and leave any time next day if she needs to.



Audits
<ul style="list-style-type: none">▪ Nil this reporting period
Looking Forward – Core Focus Areas
Line Wide <ul style="list-style-type: none">▪ Campsie BPS Joint Bay cable removal cable pulling and dewatering works (Standard Construction Hours).▪ OOHW Campsie BPS Joint Bay dewatering works (contingency OOHW for dewatering, dependant on wet weather – mid Apr- mid May)▪ Blues Point – water management / site dewatering activities (as required); concrete breaking and Henry Lawson Reserve restoration works (weather permitting) during standard construction hours.

4. Train Service Operation and Maintenance (TSOM)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Train Service Operation and Maintenance (TSOM)	Swathi Gowda (North /South) George Kollias (Alternate ER)
Key Construction Activities During the Period		
<ul style="list-style-type: none"> ▪ Southwest Corridor: WE38 (19/3/22 & 20/3/22) and WE39 (26/3/22 & 27/3/22): <ul style="list-style-type: none"> ○ Site inspection and survey works along Bankstown Line ▪ Artarmon Substation: Cabling and fit out in equipment room, testing and commissioning work ▪ Northern Corridor: Systems relocation and fibre disconnection (WE39 possession) ▪ SMTF North: <ul style="list-style-type: none"> ○ Train testing between SMTF North and Chatswood (WE39 26-27/03/22) ○ Relocation of signalling equipment – Chatswood turnback (WE39 26-27/03/22) ○ Train testing between SMTF North and Chatswood [WK35-39 (1-31/03)] 		
Tunnels		
<ul style="list-style-type: none"> ▪ Southern Dive - Waterloo Station to Pitt Street Station: Installation of cross passage equipment and cables ▪ Southern Dive - Pitt Street Station to Victoria Cross Station: Installation of trackside equipment, signalling cables, cross passage equipment and communications cabling ▪ Victoria Cross Station to Crows Nest: Site inspections ▪ Northern Dive to Crows Nest Station: Cable and cable tray installation, fibre splicing and termination of radio cables 		
Stations		
<ul style="list-style-type: none"> ▪ Victoria Cross Station: Installation of underfloor cable trays ▪ Barangaroo Station: Platform Screen Door (PSD) survey works ▪ Crows Nest and Pitt Street Station: Inspections and site visits ▪ Waterloo Station: Installation of PSD, cable trays in station rooms and cables ▪ Central Station: Installation of PSD, cabinets, cables and communications equipment ▪ Sydenham Station: Installation of Platform Edge Barriers, communications equipment, testing and commissioning 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> ▪ SMTF North: Dynamic train testing - SMTF North and Chatswood (4– 8/4/22; 11 – 29/4/22) ▪ Train deliveries ▪ SMTF South: Cable fit out in Administration Building ▪ Artarmon Substation: Testing and commissioning works ▪ Northern Corridor: Site inspections ▪ Tunnels: Installation of cables and trackside equipment in tunnels and cross passages 		
Stations		
<ul style="list-style-type: none"> ▪ Victoria Cross Station: Installation of cables and communications equipment ▪ Crows Nest Station: Inspections and site visits ▪ Martin Place Station: Inspections and survey, and cable installation ▪ Waterloo Station: Installation of PSD, cable trays in station rooms and cables ▪ Central Station: Installation of PSD, cabinets, cables and communications equipment ▪ Sydenham Station: Installation of Platform Edge Barriers, communications equipment, testing and commissioning ▪ Pitt Street Station: Inspections and site visits; installation of cables and communications equipment. 		
ER Inspections		
<ul style="list-style-type: none"> ▪ No ER inspections conducted in March 2022. 		
Photos		
<ul style="list-style-type: none"> ▪ Not Applicable 		
Endorsed Document/s		
<ul style="list-style-type: none"> ▪ Nil this reporting period 		
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>		
<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
▪ No audits proposed
Looking Forward – Core Focus Areas
▪ Development of TSOM Compliance Tracking Register (CTR) by the Contractor for three planning approvals (ongoing).

5. ISDs

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) (Does not include associated SSDs)	Martin Place ISD Macquarie Bank/Lend Lease	Michael Woolley/ Rui Henriques
	Victoria Cross ISD (VC-ISD) - Lend Lease	Swathi Gowda/Michael Woolley
	Crows Nest ISD – Sydney Metro	Rui Henriques/ George Kollias
	Pitt Street ISD - CPB	Rui Henriques/ Michael Woolley
	Waterloo ISD – John Holland	George Kollias/Swathi Gowda
Key Construction Activities During the Period		
MP-ISD		
Bligh Street: <ul style="list-style-type: none"> Concrete deliveries and pumping. Various other deliveries. Ongoing operation of the Water Treatment Plant (WTP) and discharge of water to stormwater. Martin Place South (MPS) <ul style="list-style-type: none"> Ongoing construction (FRP) of walls; columns, beams and floor slabs Jump form use Other general construction activities. Pumping of water to MPN WTP. Utilities and hoarding works (OOHWs) Martin Place North (MPN) <ul style="list-style-type: none"> Various building work activities ongoing such as FRP for columns; lift shafts; walls; floor slabs and other various items. Various works well above street level. Station Caverns and Adits <ul style="list-style-type: none"> Installation of ventilation/exhaust systems Other fit out activities including installation of panelling, services and fire safety systems. Line Wide works in the station caverns – separated from Lend Lease activities. 		
VC-ISD (update from Contractor)		
Victoria Cross North <ul style="list-style-type: none"> OOH slipform pour 11 Structural works within shaft, concrete pours/steel fixing/formwork (up to B09) Waterproofing Victoria Cross South <ul style="list-style-type: none"> Carpark slab (up to B03)/station slabs concrete pours (B05), steel fixing and formwork Jumpform pours and lifts Waterproofing, blockwork Miller Street stormwater work commenced on 9th March (OOH) Station Cavern <ul style="list-style-type: none"> OTE ventilation modules East trackway handed over to Line Wide. Blockwork and GRC panels installation. Station fit-out 		
CN-ISD		
<ul style="list-style-type: none"> Waterproofing, steel fixing and shuttering (Sites A - C) Concrete sawing and rock sawing – Site C Commencement of surplus materials excavation of Site C Concrete pumping and pouring Services, finishes and fit out of B5 platform, B4 OTE, B3 plant room. Line Wide works on B6 (Platform) including concrete pouring on Clarke Lane Girder Deliveries on 21 March 2022 		

PS-ISD
<p>Pitt Street South</p> <ul style="list-style-type: none"> ▪ South Perimeter Wall and ventilation shaft Jumpform structures at Level 03 ▪ Capping beam demolition completed ▪ Water management and operation of water treatment plant (WTP) as needed. ▪ Level 1 and 2 slab formwork ▪ Level 0 slab poured. ▪ Dismantling of formwork climbing systems underway ▪ Blockwork to B02 <p>Adits and Platform Caverns</p> <ul style="list-style-type: none"> ▪ Blockwork and general construction to back of house areas ▪ Services rough in. ▪ GRC lower cladding pane installation ▪ Fit out works to platforms ▪ Installing aluminium tube sub-frames for upper cladding panels. ▪ Dismantling of some site accommodation <p>Pitt Street North</p> <ul style="list-style-type: none"> ▪ Jumpform structures at Level 05 ▪ Concrete pours to Level 1 ▪ Shotcrete to B4/B3 southern and western walls ▪ Formwork up to B01/B01M and Ground East to West respectively. ▪ Central blade walls and mega column jump forms dismantled – complete ▪ Western jumpform dismantled ▪ Capping beam demolition interrupted awaiting access. ▪ Water recycling using WTP
WL-ISD
<ul style="list-style-type: none"> ▪ Cope Street closure established including temporary works (concrete slab) and jersey barriers / screens / noise blankets ▪ Cranes mobilised to Cope Street closure ▪ Electrical and water utility works ongoing in local roads around site ▪ Northern Tower Crane removed from site ▪ Ongoing FRP and beam install for ground level slabs ▪ B2 / B3 blockwork and back of house electrical and hydrant fit out ▪ Delivery and crange of columns via jinkers
Key Construction/Activities Look Ahead
MP-ISD
<ul style="list-style-type: none"> ▪ Activities as described above ongoing.
VC-ISD
<ul style="list-style-type: none"> ▪ Victoria Cross South - OOH (night works) stormwater upgrade works continuing on Miller Street (Mar –May 22) ▪ Victoria Cross North site – OOH works (evening/ weekend day OOH) - structural and fit-out works within the north shaft, with supporting activities at the north yard continuing (April 22) ▪ CTR Q1 2022 reporting and review process. ▪ Review of construction noise, vibration and water monitoring data (Jul 21– Dec 21)
CN-ISD
<ul style="list-style-type: none"> ▪ Waterproofing, steel fixing and shuttering (Sites A - C). ▪ B4 OTE ▪ Commencement of detail excavation of Site C ▪ Concrete pumping and pouring. ▪ Services, finishes, and fit out of B5 (platform), B4 OTE, B3 plant room. ▪ Interface- Line Wide works on B6 (Platform) including concrete deliveries on Clarke Lane ▪ Disassemble jump form Site B ▪ Oversize over mass (Precast Girders) delivery planned for 4, 5 and 6 April.

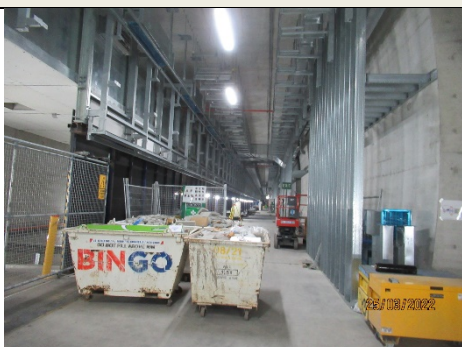
PS-ISD
<p>Pitt Street North</p> <ul style="list-style-type: none"> Preparing for concrete pour on Ground floor in east Shotcreting to B03 – North and East walls. Capping beam demolition along Park Street – ongoing. Depending on progression of slabs overhead. Infill slabs – tidying up Stretcher scaffold being dismantled <p>Pitt Street South</p> <ul style="list-style-type: none"> Tunnel ventilation jumpform pour 7 and 8 Central jumpform pour 12 and 13 to be completed Pouring Level 1 and 2 slab pours - ongoing Commencing blockwork on Level B02. Also starting on B1. Continue with service works on Level B04 and B03 B04 – Front of house fit out. <p>Adits and Platform Caverns</p> <ul style="list-style-type: none"> GRC (lower internal cladding) panel installation ongoing. Installing the north adit GRC brackets Installing cladding subframes above GRC panels Dismantling temporary accommodation sheds in south adit (ongoing) Pouring slab on ground in south adit.
WL-ISD
<ul style="list-style-type: none"> Use of Cope Street closure by both ISD and Linewide Contractors Ongoing utility works ongoing in local roads around site, including OOH
ER Inspections
MP-ISD
There was one ER inspection conducted by the ER on 25th March 2022 (ER inspections are on a four week cycle). One issue relating to storage of chemicals was raised during the inspection.
VC-ISD
<p>Two ER inspections conducted by the ER on 1 Mar 2022 (Tuesday) and 23 Mar 2022 (Tuesday) (ER inspections are on a three weekly cycle weather permitting). The following issues were raised including actions for the Contractor to address:</p> <ul style="list-style-type: none"> Some damaged sandbags noted (potentially from wet weather) within the site, near access gate Minor tagging observed on hoardings at Victoria Cross South Water from the concreting works was overflowing the controls and draining through a coir log and down the access road. While there is containment of the water at the front of the site in the surface drain (and pumped back to WTP), it is considered better management to contain the water used in the area at the source. Further, the coir log control had not been recently replaced which is likely to reduce its effectiveness.
CN-ISD
<p>There was one ER inspection conducted by the ER on 16th March 2022 (ER inspections are on a fortnightly cycle weather permitting). The following issues were raised:</p> <ul style="list-style-type: none"> Access to flammable liquids container storage cage at B4 was severely restricted by scaffolding and materials stored on the cage. AWE to ensure adequate access, unencumbered by storage of construction materials, to dangerous goods storage areas. Stormwater pit ERSED protections on Clark Lane South required ongoing maintenance.
PS-ISD
<p>There was one ER inspection conducted by the ER on 15th March 2022 (ER inspections are on a 3 weekly cycle weather permitting). There were no issues raised during the inspection.</p> <p>Discussed relocation of real-time noise monitors with Acoustic Advisor. Monitors to be relocated by acoustic consultant as appropriate.</p>

WL-1SD

There were two ER inspections conducted by the ER on 10/03/2022 and 31/03/2022 (ER inspections are on a 3 weekly cycle weather permitting). The key points raised at this inspection were:

- Sweep-up sediment accumulated along kerbs through the MMA work areas on Cope St and outside the site on Wellington St
- Cope St Closure established including jersey barriers / screens fencing with noise blankets, and stormwater pits protected
- JHG report no issues with WTP and Turkeys Nest with heavy rainfall of past weeks
- Appropriately decant chemicals and dewater hazardous substance bund to restore bunding capacity
- Clean-out litter and food wastes from spill kit, and secure lid
- Lighting cable tied to existing fixtures (air vent and pipework) to prevent impact to heritage building fabric of the Church Annex
- Clean-up cementitious fines at Wellington St gate to mitigate tracking to road. Note leaking watermain is washing any tracked material to roadside drain
- Discuss upcoming activities of Capping Beam Demolition and proposed timings as submitted in Contractors OOHW
- Action (as advised by Acoustic Advisor) to extend noise blankets along gawk screens adjacent Linewide concrete deliveries to be passed on to Linewide Contractor by Principal Contractor (JHG)
- Replace broken silt sock at pit at Cope St North
- Acoustic Advisor request for Contractor to confirm the use of the building to the NW of the Botany / Henderson intersection that appeared to accommodate residential use, prior to planned OOHW

MP-1SD



Platform Caverns – Fit out



Bligh Street



Martin Place South – Ongoing FRP works



Martin Place North – Ongoing FRP works



Martin Place North – Foyer



Martin Place North – Jump form

VC-ISD



Victoria Cross North – North Shaft - Ongoing FRP for the walls using slip form.



Cavern: Ongoing fit out of the cavern.



Victoria Cross South: Ongoing FRP using jump form (and other construction activities).



Cavern: Ventilation fans in operation pushing air into the Cavern.



HBI

Healthy Buildings International Pty Ltd



Victoria Cross South (VCS) - Miller St: Dewatering works of carpark sump within the VCS site



Victoria Cross South - Miller St: Ongoing OOHs stormwater worksite (including use of a vibratory piling attachment to the excavator to place temporary sheet piles to form a safe workspace).

CN-ISD



Site C – Area being waterproofed



Site C – View east in advance of excavation



General view of station to north, from top of platform



Site B - Jumpform at Ground Level looking North



Site A view North with steel fixing and precast girders placed



Level B3 view South



HBI

Healthy Buildings International Pty Ltd



Pacific Highway logistics lane in operation -view north



South tunnel portal ongoing waterproofing

PS-ISD



Pitt St South (PSS): South Perimeter wall /ventilation shaft to Level 3.



PSS: Various steel fixing and formwork activities Level 0 Ground level.



PSS -Various steel fixing and formwork Level 1



PSS B2 interior construction, including blockwork



Platform, lower GRC cladding



Western cavern: Structure for upper cladding panels



Pitt St North (PSN): FRP at Levels 0 and 1M and, Ground.



PSN western side: FRP at levels B01M and Ground



PSN south-eastern side: FRP and concrete pour to B01M



PSN: Internal view of Level B4/5 Mega columns.

WL-ISD



Precast column delivery via jinkers and lifted into place via 450t crane



Voids for connections between levels (concourse to ground level) now more visible with formwork and scaffold removed

Endorsed Document/s

MP-ISD

- OOHW 094: North site – Castlereagh and Elizabeth Streets Hoarding reconfiguration works (Rev4 and Rev 5)

VC-ISD

- CTR Q3 and Q4 2021
- OOHW19 - McLaren St HV Kiosk removal (Rev 2)
- OOHW 17 - Victoria Cross South (Rev 6)
- OOHW 15 - North Site Structures (Rev 10)
- OOHW 20 - North site April-June weekend OOHW (Rev 2)

CN-ISD
<ul style="list-style-type: none"> Consistency Assessment revision (rev 3.1) extending closure /occupancy of Hume Street (Pacific Highway to Clarke Lane) for a period of 9 months, from approximately March 2022 to December 2022, due to construction program conflicts with COVID19, weather and resource issues. Sydney Metro City and Southwest – Crows Nest Integrated Station Development – Construction Visual and Landscape Management Plan, Revision 01 dated 25/01/2022 (CVLMP Rev 01) to include a laydown area on Clarke Lane North. Established in accordance with CoA A18. OOHW 010 – Extended Work Hours Rev 18 – 31/03/22 – For the period of April to June 2022, including Saturday and Sunday works.
PS-ISD
<ul style="list-style-type: none"> Construction Environmental Management Plan Revision 01 dated 21/02/2022. OOHW 035 – April to June 2022 – 31/03/22 – For the period of April to June 2022, including Saturday and Sunday works.
WL-ISD
<ul style="list-style-type: none"> OOHWA #27 Sydney Water Cutover OOHWA #28 Ausgrid Outage 2 OOHWA #30 April Works
Complaints / Incidents / Non-compliance
<ul style="list-style-type: none"> ALL <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>
MP-ISD
<p>Nil incidents or non-compliances were reported or observed during the reporting period.</p> <p>There were two complaints reported to have been received by Lendlease during March. One related to noise out of hours; the other to property (car) damage.</p>
VC-ISD
<p>Nil incidents or non-compliances reported to the ER during this reporting period. There were four Project related complaints (summarised below) during the reporting period relating to:</p> <ul style="list-style-type: none"> 25/03/22 – VIC- ISD - noise (standard construction hours): Complaint from Building Operations Manager (Berry St) regarding over run of drilling on shared wall (agreed finish time was 10am and drilling was reported to be continuing until 10:15am). Construction manager ordered immediate stop to works, returned call to apologize and confirmed that remainder of works will be completed on the following day (when their building is predominantly empty). 23/03/22 - VIC- ISD - noise (standard construction hours): Complaint from Building Facility Manager (Berry St) regarding significant noise from shared wall needing to stop as office workers will not be able to work with the noise. 23/03/22 - VIC- ISD - noise (OOHW): Complainant advised of heavy construction noise and was unable to locate the Project. SCLM confirmed that these noisy works had now concluded, however works will continue in the area to connect the stormwater. Complainant thanked SCLM for the call, update of upcoming works and declined offer to be added to upcoming works emails. 22/03/22 - VIC- ISD - noise (OOHW): Complainant advised of works occurring at the intersection of Miller/Berry St, excessive noise and wanting to discuss reimbursement for rent. SCLM confirmed the piling works taking place were noisy and were completed by midnight as planned and also of other works in the area contributing to noise. SCLM confirmed with the complainant that the noisiest works had been completed but lower impact works will be taking place until May. Resident added to the distribution list to be updated on upcoming works.



CN-ISD

There was one non-compliance/incident reported to the ER. There were three complaints during the period relating to:

- 10 March - Stakeholder called to express dissatisfaction with noise from night work. Advised noise up until 12 midnight is disruptive to his sleep. Requested alternative accommodation. Stakeholder has been contacted to arrange for internal noise monitoring.
- 10 March - Stakeholder called to express dissatisfaction with noise from music she believed was coming from the station box. Upon investigation, the stakeholder was informed that music was not coming from the site but appeared to be coming from an event down the road. Stakeholder was appreciative of the call and advised communications have been excellent.
- 26 March - Stakeholder expressed dissatisfaction with concrete pours until 2am Sunday morning which was disruptive to his sleep. Also noted noise from steel fixing and suspected generator. Upon investigation it was found that works past 12 am were not approved and the subcontractor had not advised AWE of their intention to undertake works past 12 am. This was recorded as a non-compliance and an incident

PS-ISD

There were no non-compliances or incidents reported to the ER. There was one complaint during the period relating to noise.

- 2 March - Stakeholder called to express dissatisfaction with noise from recent night work. CPB comms consulted with the Area Construction Manager and informed the stakeholder that the particular work was scheduled to be completed that day. Stakeholder subsequently responded as follows; *"Thanks for the information Sarah, the noise has been better the past couple of nights"*.

WL-ISD
<p>There were no non-compliances reported to the ER this reporting period. There was a hydraulic oil leak from an EWP (12/03/2022).</p> <p>Complaints for February not reported previous month:</p> <ul style="list-style-type: none"> 16/02/22 Noise and Vibration OOH. Vibration from OOH utility work. Acoustics Advisor queried complaint. Contractor closed-out with vibration monitoring levels 25/02/22 Traffic, transport and parking - Stakeholder complaining about trucks using Wellington Street now that Cope Street is closed, and a truck stopped near his property 28/02/22 Traffic, transport and parking; Worker behaviour - Stakeholder complaining about signage around utility works <p>Complaints for March 2022:</p> <ul style="list-style-type: none"> 04/03/22 Traffic, Transport and Parking - Stakeholder complained about concrete trucks using Cooper Street 07/03/22 Noise and Vibration - OOH - CPM requested further information, reviewed work logs and spoke to site supervisor, no activities on site that night included use of a grinder or anything that would create the same noise. In addition, inclement weather caused OOH on Friday to be cancelled early in the night. Replied to stakeholder indicating that noise she experienced was not from the Waterloo site 14/03/22 Noise and Vibration -OOHW; Traffic, Transport and Parking - Stakeholder complaining about request to move his car and noise from utility work 16/03/22 Noise and Vibration -OOHW - Stakeholder complaining about noise from OOH utility work. Work taking place was within project approvals, high impact noise stopped at 12am as required for road crossings. CPM responded to stakeholders email providing information on the work and associated noise requirements, also informing her of utility work taking place in this area for the rest of the week. JH assessing remaining utility work required in this area 16/03/22 Noise and Vibration -OOHW - Stakeholder complaining about noise from OOH utility work. Work taking place was within project approvals, high impact noise stopped at 12am as required for road crossings. CPM responded to stakeholders email explaining noise requirements, informing him of utility work taking place in this area for the rest of the week. JH assessing remaining utility work required in this area 21/03/22 Traffic, Transport and Parking – Stakeholder claimed that workers putting up barriers on Raglan Street smashed side mirror on his car, would like this repair paid for 24/03/22 Noise (OOHW) – Stakeholder complaining about out of hours noise. Doka formwork panel install which required overhead lifting into the station box, occurring between 3 and 4am. As per OOH Approval, Activity 4 General Crane Operation and Station Works where the steel panels/formwork have to be lifted into the station box and braced at night due to safety risks 30/03/22 Noise and vibration (OOHW) – Stakeholder complaining about OOH noise. Community and Stakeholder Manager called the stakeholder to investigate the noise 31/03/22 Noise and Vibration -OOHW; Traffic, Transport and Parking - Stakeholder complaining about truck stopped in front of building 31/03/22 Visual Amenity – Light spill into apartment on Raglan Street. Light spill from light close to Church. Site Supervisor went to site and moved light
Audits (specific to packages reported in this report)
No ER involvement in audit activity including Independent Environmental Audits.
Looking Forward – Core Focus Areas
MP-ISD
<ul style="list-style-type: none"> Nil
VC-ISD
<ul style="list-style-type: none"> Victoria Cross South - OOH (night works) stormwater upgrade works continuing on Miller Street (Mar –May 22), including contingency in case of inclement weather delays. Victoria Cross North site – OOH works (evening/ weekend day OOH) works - structural and fit-out works within the north shaft, with supporting activities at the north yard continuing (April 22). This OOH is also proposed in upcoming months May – June 22 (risks include potential for complaints /construction fatigue, as work progresses out of the shaft to ground and above ground levels).
CN-ISD
<ul style="list-style-type: none"> Significant out of hours planned to continue with emphasis on monitoring to validate CNVIS predictions.
PS-ISD
<ul style="list-style-type: none"> Significant out of hours planned to continue.



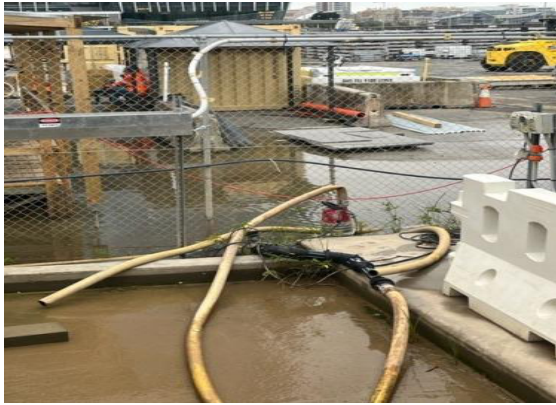
WL-ISD

- Monitor complaint numbers and issues. Review Contractor's inputs into Complaints Register to seek additional information via AA, emails and /or meetings
- There have been a few recent complaints at 3am in the morning. The Daily Reports don't include detail, just stating under investigation. Contractor Comms Manager has said that Sydney Metro are given all the details. ER/AA have asked for more details
- Contractor has submitted high-noise intensive OOH proposals for 1) capping beam demolition and 2) services during road closure over both Easter and Anzac Long Weekends (Sundays and Public Holidays)
- DPE Compliance are asking about recent increase in complaints, what has been approved for OOH, what consultation has occurred, what is AA / ER process of reviewing complaints? AA/ER to respond

6. Barangaroo Station (BESIX Watpac)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Barangaroo Station (BESIX Watpac)	Jo Heltborg
Key Construction Activities During the Period		
<p>Civil:</p> <ul style="list-style-type: none"> Stormwater works, including sheet piling, trenching, pipe installation and backfill Demolition of the second road bridge deck Demolition of services capping beams Backfilling on top of waterproofed station box Concrete pours from ground level to inside the station box Import and stockpiling of tunnel spoil from Rozelle Interchange Stockpiling and management of asbestos contaminated spoil Water Treatment Plant (WTP) operation Out of Hours (AOOH) Utility works on Hickson Road. <p>Station Box:</p> <ul style="list-style-type: none"> Installing structural steel, concrete and blockwork Deliveries to the northern shaft Overhead Track Exhaust (OTE) ongoing Portion 1A (downtrack) handed over to Line Wide Preparation for handover of Level B6 and the Northern Shaft to Metro (for Line Wide) Escalator installation (B5-B3) Escalator installation (B5-B3). 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> Continue sheet piling and excavation for stormwater trunk relocation Blockwork and services installation to continue in the station box, station fit-out works OOH-006 Services installation (utilities) continuing on Hickson Road Preparation for demolition of Hickson Road and road switch Trenching and tree removal at Nawi Cove for the seawater cooling system works. 		
ER Inspections		
<p>There were three ER inspections conducted by the ER in March 2022 (03/03/2022, 17/03/22 and 31/03/2022). The key issues raised at the inspections were:</p> <ul style="list-style-type: none"> Resolution of noise complaints received from surrounding residents, implementation of noise and vibration mitigation Discussion of OOH noise complaints during utility works Water discharge issues need to be resolved soon to allow the completion of the stormwater trunk relocation scope Planning approval for proposed tree removal associated with trenching for the seawater cooling system scope Compliance with hazardous chemical storage requirements (IBCs), including bund management, and the disposal of wastewater Erosion and sediment control (ERSED) protection for stormwater inlets Potential issues with water management between Line Wide and BESIX Watpac sites / interface between PCs during future handover Consistency assessment for the use of additional land on the western side of the site / extension of site boundary for pipe investigation works. 		

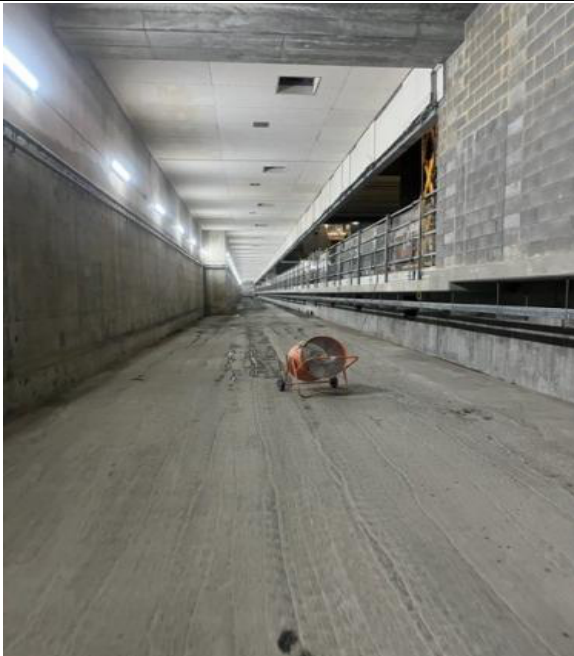
Photos



Pumping of water from Linewide to BESIX Watpac site



The site boundary in this area was extended without a Consistency Assessment conducted, Non-compliance to be raised.



Preparation for handover of Level B6 (including the Northern shaft) to Line Wide



Sheet piling for stormwater service installation ongoing



Water Treatment Plant (WTP) operation and chemical storage



Stockpiling of tunnelling spoil from the Rozelle Interchange



Archaeologist uncovering surface of the 1860s wharf in the stormwater trench



Backfilling top of the station box ongoing

Endorsed Document/s

- OOHWA-006 - Hickson Road night works for services installation Rev05

Non-compliance/ Incidents or Repeat Complaints

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

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

There were no incidents for Barangaroo Station reported to the ER under conditions A41 of SSI 7400.

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

- 14/3/2022: Complaint regarding out of hours utility works. Resident thinks Hickson Road closure could be earlier. Works approved under OOHWA-006 and monitoring within predicted levels.
- 24/3/2022: Resident called to complain about OOH Utility works on Hickson Road, approved under OOHWA-006.
- 25/3/2022: Resident called to complain about OOH Utility works on Hickson Road, approved under OOHWA-006.
- 27/3/2022: Resident called to complain about OOH Utility works on Hickson Road, approved under OOHWA-006. Under investigation.
- 28/3/2022: Resident called to complain about OOH Utility works on Hickson Road, approved under OOHWA-006.
- 30/3/2022: Resident called regarding an increase in truck movements OOH, due to the traffic diversion in place as part of the Hickson Road ROL. Upon investigation the deliveries were not thought to be related to the project. Stakeholder appreciated the call and did not require any further action.



The number of complaints had increased for the project due to the frequency of OOHW increasing. More complaints are expected once the demolition of Hickson Road commences in late April/early May.

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

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas

- Emergency management measures and procedures for overflow/discharge of water in the event of extreme weather
- The management of water in the deep excavation for the stormwater trunk main
- Compliance with water quality parameters in the Water Discharge Impact Assessment (WDIA) during discharge from the Water Treatment Plant
- Management of noise during planned out of hours work, and during standard construction hours, particularly in relation to demolition of the bridge deck, then Hickson Road. Management of potential noise cumulative impacts. Noise modelling for next scope of noisy works (demolition of Hickson Road)
- Investigations and predictions for vibration prior to demolition works in the vicinity of the heritage-listed Hickson Road wall
- Fuel and chemical storage and waste management
- Consistency assessments, landowner consent and tree management for planned seawater cooling water installation
- The transfer of water from Line Wide to BESIX Watpac site
- The ongoing management of groundwater from the station box and Northern Shaft, Level B6 after handover to Line Wide
- The management of works in zones with high-moderate archaeological potential and the reporting of finds.
- The management, storage and disposal of asbestos-contaminated spoil

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

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW)	Jo Heltborg
Key Construction and Low Impact Works Activities - During the Period		
<p>Southwest Metro Corridor (SMC):</p> <ul style="list-style-type: none"> Canterbury Compound: Site offices and amenities, fuel and gas storage. Public footpath construction underway on the eastern side of the compound. Church St Footbridge, Hurlstone Park: One pile cap for throw screen installed. Preparation for additional piles during WE39. Melford Street Bridge, Hurlstone Park: GST and CSR works continuing from the culvert to the Melford Street Bridge; Preparation for temporary handover to Line Wide. Wairoa Street Bridge, Campsie: Piling for crash beams complete. Preparation for pile caps and embankment works under the bridge. Duke Street, Campsie: Works on hold pending traffic plan approval. Moreton Street Bridge, Belmore (& toward Lakemba Station): GST installation continued within close proximity of a Threatened Ecological Community (TEC). Haldon Street Bridge, Lakemba: GST installation and embankment stabilisation. Wiley Park TEC: Ecologist inspection conducted prior to planned future works, including ground-truthing of mapping. Punchbowl Hi-rail Access: Construction of the new access to the hi-rail access pad ongoing. <p>Bankstown Early Works (BEW):</p> <ul style="list-style-type: none"> North Terrace Compound: Site offices and amenities. Metro Services Building (MSB): Works continuing on the MSB including formwork and concrete pours (FRP). Precast walls of the MSB lifted into place. 250T crane in place lifting steel and precast concrete for building construction. Southern Down Platform: Precast concrete slab installation for the platform underway. Brickwork laid along lower platform. Posts for canopies installed (canopy installation scheduled for WE45). Stacey Street Bridge (Country-side, Bankstown): GST installation mostly complete. Preparation for handover to Linewidth in early April. South Terrace, Bankstown: Investigation works for sewer connection complete. Sewer connection works scheduled for WE39. 		
Key Construction Activities Look Ahead		
<p>Out of Hours Work:</p> <ul style="list-style-type: none"> BEW – South Terrace Ausgrid connection works BEW – Stormwater connection works BEW – Sewer connection works WE45 Possession (7-8 May) <p>Other:</p> <ul style="list-style-type: none"> Marrickville: Piling for crash beams and RW1A & RW3, works within AMZ at Victoria Road Bridge. Hurlstone Park: Installation of throw screens (Church Street footbridge). GST & CSR work on city and country-side of Melford Street Bridge. Replacement of redundant troughing during the next possession. Campsie: Removal of Quenos gas pipe; GST installation at Lillian Lane and Loch Street ongoing. Belmore: GST troughing in the AMZ (country-side of Belmore station). GST installation on the country-side of Moreton Street Bridge adjacent to TEC, continuing toward Lakemba Station. Lakemba: GST install above Retaining Wall 21. Punchbowl: CSR installation; HV pit 22 rectification. ULX and GST transition. Bankstown: Stacey Street bridge screens over next possessions; additional HV pits. BEW: <ul style="list-style-type: none"> Ongoing construction of the MSB (steel and precast concrete crane lifts) Out of hours works during local area works at South Terrace for sewer and Ausgrid connections 		

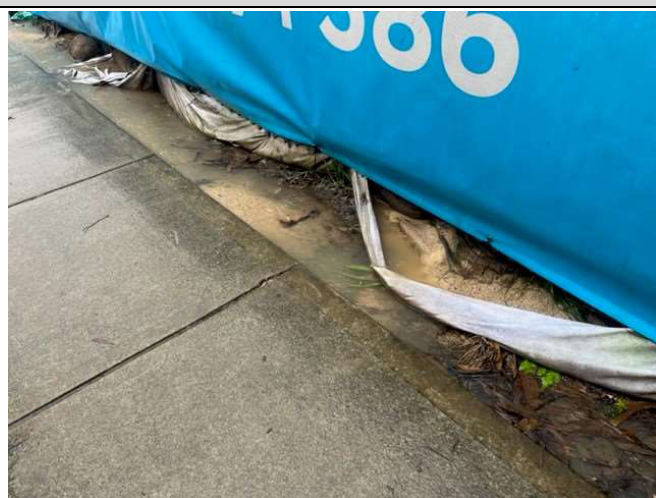
ER Inspections

There were two ER inspections conducted by the ER in March 2022 (08/03/2022 and 22/03/2022). The key issues raised were:

- **BEW: South Terrace, Bankstown:** Three layers of boundary controls inside the rail corridor fencing had failed; dirty water could be seen leaving the site. To be replaced/refreshed to reduce risk of water pollution.
- **Punchbowl Hi-rail Access Pad:** Coir logs were in place along the gate/site boundary, though dirty water could be seen seeping through in a couple of locations. There was no evidence of dirty water entering stormwater gutters or drains.
- **BEW: Stacey Street Bridge:** Large unsealed ground areas had been covered with geofabric to reduce the risk of sediment- laden runoff leaving the site during recent large rainfall events. The site needs to be handed over to Line Wide in early April and the condition of the site needs to be consistent with the condition of the site prior to JHLOR works commencing.
- **BEW: South Terrace, Bankstown:** The condition of the site access from the bus layover to the southern down platform works was deteriorating. No tracking was evident.

Actions were raised for the above issues, and all actions were in the process of being investigated / closed-out by JHLOR.

Photos



Failing boundary controls, South Terrace Bankstown



Dirty water seeping through boundary controls, Punchbowl Hi-rail access

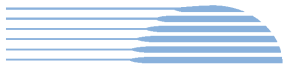


Unsealed area to be handed over to Line Wide. Pre-existing condition discussed.



Church Street Footbridge, Hurlstone Park – throw screens to be installed





	
ERSED controls at Melford Street, Hurlstone Park. Site to be handed over to Line Wide.	Piling for crash beams, Wairoa Street, Campsie
	
Bankstown MSB construction	Bankstown – construction of the southern platform
Endorsed Document/s	
<ul style="list-style-type: none"> Nil 	
Non-compliance/ Incidents or Repeat Complaints	
<p>Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for SMC & BEW.</p>	
<p>There were no non-compliances reported to the ER for SMC_BEW for the period.</p> <p>There were no incidents for SMC_BEW reported to the ER under conditions A41 of SSI 7400.</p> <p>There were no Class 3 environmental events reported to the ER during the period.</p> <p>The ER is aware of four complaints received during March 2022 related to the SMC_BEW works:</p> <ul style="list-style-type: none"> 1/3/2022: Removal of one of three temporary traffic lights. Closed. 24/3/2022: Complaint regarding drainage and potential property flooding received at the Melford Street Bridge site. Investigation ongoing. 4/3/2022: Complaint regarding truck parking at entrance to Canterbury compound, blocking line of sight. 4/3/2022: Site workers playing loud music with inappropriate lyrics at Melford Street Bridge site. 	
Audits	
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>	





Looking Forward – Core Focus Areas

- Management of ERSED controls generally
- Maintenance of tree protection measures, particularly in the vicinity of TECs and threatened species *Acacia pubescens*
- Implementation of the Tree Report during vegetation pruning and removal
- Management of noise during OOHWs
- During recent significant rainfall events, sediment-laden water could be seen leaving the site. Some of these areas will soon be handed over to the next contractor (Line Wide). In most cases, conditions were pre-existing, though the issue needs to be managed during the handover process.

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

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>Note: Works delayed due to rainfall events and access to external permits.</p> <p>Marrickville:</p> <ul style="list-style-type: none"> Station building electrical fit out continued. MSB - ULX launch pit sheet piles completed. <p>Canterbury:</p> <ul style="list-style-type: none"> MSB – Construction of structural concrete supports commenced. Station building electrical fit out continued. <p>Lakemba:</p> <ul style="list-style-type: none"> MSB – service connections and formwork installation continued. GST slab commenced. Service installation works in the platform buildings continued. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> Construction of the MSB's at all stations. Demolition and reconstruction of Canterbury Stairs. Lift shaft construction Canterbury. 		
ER Inspections		
<p>There were two ER inspections on 04/03/2022 and 23/03/2022. The key issues raised at the inspections were:</p> <p>All sites:</p> <ul style="list-style-type: none"> It was noted on both inspections that ongoing maintenance of the erosion and sediment controls was required due to ongoing significant rain events. 		
Photos		
		
Marrickville ULX pit excavation –23/03/22	Marrickville MSB –23/03/22	
		

Canterbury services connection – 23/03/22	Canterbury Platform 2 services installation – 23/03/22
	
Lakemba MSB embankment cover prior to rain event 04/03/22	Lakemba – MSB conduit installation – 23/03/22
Endorsed Document/s	
<ul style="list-style-type: none"> ▪ Marrickville OOHW Wk36, Wk37 and Wk38 ▪ OOHW 028 Rev D ▪ OOHW-029 - Marrickville, ULX launch pits work (WK38) ▪ OOHW WE 38-39 Rev D ▪ HSEJV CEMP Rev06. 	
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 MCL.</p>	
<p>The ER is aware of no new NCRs 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 complaints are summarised as follows:</p>	
<ul style="list-style-type: none"> ▪ Two noise complaints were received at Marrickville relating to sheet pile installation during standard hours. 	
Audits	
<ul style="list-style-type: none"> ▪ No ER involvement in audit activity including Independent Environmental Audits 	
Looking Forward – Core Focus Areas	
<ul style="list-style-type: none"> ▪ Continued implementation checks for CEMP and sub plans, focusing on ESC and parking / traffic impacts. ▪ Continued noise and vibration surveillance of ULX crossing construction at Marrickville. ▪ Review and endorse CEMP and Sub-plans. ▪ Compliance Tracking Q3/Q4 review and endorsement. ▪ OOHW and Shutdown 3 review and endorsements. 	

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

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW) (Downer) Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)	Brett McLennan
Key Construction Activities During the Period		
<p>Note: Works delayed due to rainfall events and access to external permits.</p> <p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> MSB – Connection of the stormwater pits was completed. Excavation of the MSB floor level was completed. Platform building refurbishing works continued. <p><u>Belmore</u></p> <ul style="list-style-type: none"> MSB- fit out works continued. OSD construction had commenced. Chillers were installed. Platform building refurbishing works continued. <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> MSB –Relocation of high voltage and MSB structural works recommenced. Platform building refurbishing works continued. <p><u>Dulwich Hill:</u></p> <ul style="list-style-type: none"> MSB – No works noted during the month pending permits. <p><u>Campsie:</u></p> <ul style="list-style-type: none"> MSB – Conduit installation and form works continued. Concourse installation works continued. Platforms – Station fit out continued. <p><u>Punchbowl:</u></p> <ul style="list-style-type: none"> MSB – Fit out continued. Concourse installation works continued. Platforms – Station fit out continued. Drainage works undertaken in Line 2 Cess. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> Construction of the MSB's at all stations. Construction of the pedestrian bridge, lift shaft, and stairs at Dulwich Hill. Demolition and reconstruction of stairs, and construction of lift shafts at Hurlstone Park. Landscaping for station Plaza(s). Review and endorse OOHW, Shutdown 3 and minor updates to sub-plans. 		

ER Inspections

There were two ER inspections conducted for HBW and DCP on 03/03/2022 and 30/03/22.

The key issues raised at these inspections were:

Hurlstone Park

- It was noted that a stockpile in the MSB required ESC protection prior to an upcoming rain event.
- It was noted that ESC required maintenance at the rail gate on Floss Street.

Belmore

- No issues raised.

Wiley Park

- It was noted that ESC was required on an exposed batter
- ESC required reinstatement at the MSB gate with minor sediment laden water observed exiting the site during a rain event.
- It was noted that heritage advice for the retaining wall protection and repair required updating to include additional work areas.

Dulwich Hill

- Minor ESC maintenance was required.

Campsie:

- No issues raised.

Punchbowl:

- Minor ESC maintenance was required.

Photos



Hurlstone Park MSB connection of lower stormwater pit



Wiley Park MSB works recommenced.



Belmore OSD, chillers and MSB



Punchbowl MSB


Campsie MSB construction
Dulwich Hill MSB ESC at gates requiring minor maintenance
Endorsed Document/s

- OOHWA WE38 & WE39 - Rev C
- OOHWA WE 38-39 Rev E
- DCP VAMP Rev G
- HBW VAMP Rev G
- DCP CEMP REV07
- HBW CEMP REV07

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 HBW.

The ER is aware of no new non-compliances raised in March, and five complaints for DCP/HBW related to Downer's work for the period

Complaints:

The complaints are summarised as follows:

Dulwich Hill

- One complaint relating to water during high rain events
- One safety concern of rented office awning

Punchbowl

- One ESC complaint

Wiley Park

- One noise complaint

Campsie

- One complaint on timeframe of works.

There were no incidents for HBW or DCP reported to the ER under conditions A36 of SSI 8256.

Audits

No ER involvement in audit activity including Independent Environmental Audits (IEA Program).

Looking Forward – Core Focus Areas

- Continued implementation checks for CEMP and sub plans, focusing on ESC and community impacts.
- Review and endorse CEMP Sub-plans.
- Compliance Tracking Q3/Q4 review and endorsement.
- OOHWA and Shutdown 3 review and endorsements.

10. Sydney Metro Retained Obligations (SM) /Other

Project Approval		Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B)		Sydney Metro Retained Obligations (SM) /Other	Jo Robertson
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			
Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects. There were no non compliances or incidents raised by the ER against Sydney Metro for the period.			
Audits			
SM	Nil		
Looking Forward – Core Focus Areas			
SM	▪ There is a refreshed focus being applied within Sydney Metro to improve reporting performance in relation to the Compliance Tracking Program. Concerted effort has been made by all involved parties to bring the timing of deliverables required under this program up to date. Recent review of this program shows a marked improvement in the timing of deliverables for most CTR inputs. The exception would be Sydney Metro retained obligation CTR inputs which are well overdue.		

11. 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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