

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

7 November 2021
Ref: 170108-ER_DPIE-October 2021

Dear Rob

RE: Sydney Metro City & South West – ER Monthly Reports for October 2021

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), 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 **October 2021**.

Yours sincerely

Jo Robertson
Environmental Representative



Cc: Sydney Metro: Carolyn Riley, Fil Cerone, Ben Armstrong, Pam Tummers, Andrew Hendy, Tim Solomon, Ann Paterson, Julia Diamond, Chris Berg, Chris Dickson
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. Tunnel and Station Excavation (TSE)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Tunnel and Station Excavation (TSE)	Michael Woolley
Key Construction Activities During the Period		
<p>Barangaroo Station:</p> <ul style="list-style-type: none"> Construction Completion occurred on 26 October 2021, with handover to the Follow on Contractor at 09:00 on 27 October. TSE have defects rectification obligations, which are still ongoing. Sydney Metro reported that the latest defect which has been raised is due to be rectified by 30 November. <p>This marks the end of TSE Construction activities. There will be no further ER Monthly Reporting of the TSE activities.</p>		
Key Construction Activities Look Ahead		
There is no further TSE Construction works planned following completion other than as may be required to address defects.		
ER Inspections		
There were no formal ER Inspections carried out in October 2021 due to COVID restrictions. One informal inspection from outside the site was conducted on 5 October 2021. JHCPBG conducted two inspections on the 2 nd September 2021 and 30 th September 2021 in lieu of the scheduled ER Inspection. No issues were raised or identified as part of these inspections.		
Photos		
 <p>General site photos from High Street of the Barangaroo work site.</p>		 <p>TSE Contractors only held possession of the sharks fin area during October.</p>
Endorsed Document/s		
<ul style="list-style-type: none"> Nil this reporting period 		
Complaints / Incidents / Non-compliance		
<p>It is understood that Sydney Metro has been providing summaries of complaints to DPIE daily. One complaint was reported to the ER as relating to the Barangaroo site in October 2021. There were no incidents reported by JHCPBG as defined by the project approval definition for incidents under condition A41.</p>		
Audits (specific to packages reported in this report)		
Nil this reporting period.		
Looking Forward – Core Focus Areas		
Nil		

2. 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 – Truck movements; metro box ventilation using scrubbers. Ongoing construction activities for the Chillers and Ventilation Building. Installation of some platform Canopies. Fit out of the Platform and other levels. Only surface inspection conducted. ▪ Central Walk – Excavating for Central Walk essentially complete except for some escalator voids. FRP works for columns, shotcreting. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Ongoing installation of final panels around the new escalators. Not Inspected. ▪ Sydney Yard - Water Treatment Plant Operation; truck access; laydown. Stockpiling, processing and loadout of excavated material from other areas of site. OSOM deliveries of Canopies. ▪ 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. ▪ Devonshire Street Tunnel- In operation and used by commuters. ▪ CSR works Rail Institute – Compound area in use to support drilling of bores for CSR between Ghost Platform and Metro Box. Equipment in the compound included 3 generators; a screening device for treatment of drilling muds and other equipment. ▪ ESR Concourse - Significant changes in layout. New lift in operation. Ongoing use of the area for laydown and construction support. Fit out and other construction activities ongoing. Not inspected behind barriers. ▪ Ghost Platforms (above ESR Platforms 24-25) - Ongoing electrical and other fit out. Support for CSR drilling activities. Not inspected. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Ongoing activities as described for October; ▪ Ongoing construction of Canopies on Platforms 12 and 13; ▪ Investigations for utilities in Randle Lane. 		
ER Inspections		
<p>There was one ER inspection (20/10/2021) conducted during the reporting period (restricted early in the month due to COVID and site access restrictions). The key issues raised were:</p> <ul style="list-style-type: none"> ▪ A spill kit was empty on the Metro Box area. On the day of the inspection LOR provided evidence of spill kit being filled. ▪ A 20L drum of Xylene was observed being stored in the northern section of the Metro Box without secondary containment. LOR provided evidence of temporary bunding being in place on 20-10-21 to close out this action. <p>LOR conducted one inspection on behalf of the ER during the period on 6th October 2021. The inspection report and photos from the inspection were discussed during a fortnightly meeting held on the same day as the inspection. No actions were raised as a result of the inspection.</p>		
Photos		
		
Northern Concourse	Northern Concourse	



<p>Ventilation Building</p>	<p>Top of the Metro Deck – preparation for platform construction</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ Revised Groundwater Management Plan (Rev 9) 	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<p>Sydney Metro has been providing summaries of complaints to DPIE daily as well as to the ER. There was one complaint reported which related to noise. No non compliances were observed by the ER or reported to the ER during the reporting period.</p>	
<p>Audits</p>	
<p>There were no audits conducted during the reporting period.</p>	
<p>Looking Forward – Core Focus Areas</p>	
<ul style="list-style-type: none"> ▪ Documentation of heritage item management. 	

3. 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"> ▪ Bankstown curve: Security fencing completed during the Weekend 16 (WE16) Possession, and GST and finishing works complete during WE17. ▪ Geotechnical Office Area: Installation of electrical conduit ongoing.; Commencement of fencing in the southern corner of the site. ▪ Burrows Ave / Southern Station Plaza / Bolton St / Hogan Ave: Excavation for Transgrid defects at Southern station plaza. Works on Burrows Avenue, Bolton Street and Hogan Avenue complete. ▪ Sydenham Station / Northern Station Plaza: Earthworks for secondary northern plaza aka the 'Development Area' continuing. Testing of stockpiled spoil ongoing prior to approval for reuse at Gateway Project. ▪ Sydenham Road: Line marking scheduled for night of Tues 26/10/2021. ▪ 11 Sydenham Rd (main site, including Garden Street): Track install complete from the Geotech building to the Sydenham Pit Pump House. GST and security fencing complete. Track portion between Bedwin Road and Pump Station handed over to Linewide on 30/9/2021. Site levelled and sub-base being laid. ULX from end of Platform 3 was complete during WE16 and fencing and signalling complete during WE17. ▪ Sydenham Pit and Pumping Station / Confluence Area: Retaining Wall 4 (RW4) mostly complete (small section on hold pending final design). Cess drainage complete; infill and levelling / finishing works ongoing. Continuation of fencing around the Retaining Wall 4 (RW4) area. Base slab poured and piles being cut down in deep excavation. ▪ Way Street Laydown Areas: Spoil stockpiles in northern area. Materials and waste storage in south laydown area. Waste classification testing ongoing to determine beneficial reuse options. ▪ XPT Laydown: Stockpiling, slurry storage. Waste classification indicated spoil is unsuitable for beneficial reuse due to asbestos content. ▪ Carrington Rd Laydown: Stockpiling. Waste classification testing ongoing to determine beneficial reuse options. ▪ Bedwin Road: Track slab defects complete. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Sydenham Station / Northern Station Plaza: Testing of stockpiled spoil ongoing prior to approval for reuse at Gateway Project. Spoil load out. Demolition of slab in the development area ▪ Demobilisation of Fraser Park Ancillary Facility ▪ 11 Sydenham Rd (main site Area to be concreted and paved, with access road to the aqueduct and Sydney Water Pump House to be formed. Ramp scheduled for removal once RW4 works are complete ▪ Sydenham Pit and Pumping Station / Confluence Area: GST planned to continue once the pit has been backfilled ▪ Laydown Areas (XPT, Way Street & Carrington Road): Waste classification testing ongoing to determine beneficial reuse options ▪ Track fencing including Bedwin Road track slab ▪ Earthworks for the secondary plaza ▪ Geotech area fencing 		
ER Inspections		
<p>There were two inspections conducted by the ER in October 2021 (12/10/21 & 26/10/2021). The key issues raised were:</p> <ul style="list-style-type: none"> ▪ Shadecloth along boundary fencing at Fraser Park had come loose and housekeeping needed attention. ▪ Slurry bins were and at risk of overtopping at the XPT Laydown. ▪ Materials were stored within tree driplines at the Way Street Laydown. ▪ Skips were overfull and waste had spilled onto the ground in the vicinity of the skip bins at the Way Street Laydown. ▪ Graffiti was observed on the Sydenham Pit Pump House and on the confluence structure. <p>Actions were raised for the above issues, and all actions were in the process of being closed-out by JHLOR.</p>		



Photos	
	
Slurry bins at risk of overflow at the XPT Laydown	Materials stored under tree driplines at Way Street Laydown
	
Waste spilled onto the ground at the Way Street Laydown	Graffiti on the confluence structure
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 SSJ.</p> <p>The ER is not aware of any non compliances for SSJ for the period.</p> <p>There were no incidents for SSJ reported to the ER under conditions A41 of SSI 7400.</p> <p>There were no minor Class 3 environmental incidents reported to the ER during the period.</p> <p>The ER is not aware of any complaints during October 2021 that could be attributed to the SSJ works.</p>	
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"> ▪ Management of ERSED controls generally ▪ Review of spoil waste classification, beneficial reuse and waste tracking records ▪ Implementation of the tree replacement strategy ▪ Completion of selected Conditions of Approval ▪ Completion of the SSJ CTR 2021 Q3 	

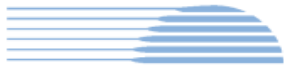
4. Line Wide (Tallawong to Bankstown)

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		
Line Wide		
Note – Key Construction Activities below, as reported by Systems Connect (Contractor) for Line Wide Works:		
<u>SMTF North</u>		
<ul style="list-style-type: none"> Maintenance building - Road 4 works continuing. Completion date scheduled for 12 Nov 2021 Commencement of stabilising works on Snake Mountain prior to infilling temporary sediment basin 		
<u>Northern Hub</u>		
<ul style="list-style-type: none"> Northern Connection – Shotcreting works for the dive structure Northern Connection - PMS channel pit works continuing Chatswood Dive Site - Blockwork in the dive building continuing and nearing completion Chatswood Dive Site - M&E deliveries continuing 		
<u>Artarmon Traction Substation</u>		
<ul style="list-style-type: none"> Completion of installation of first modular building Preparatory works underway for second delivery and installation of modular buildings 		
<u>Artarmon BPS</u>		
<ul style="list-style-type: none"> Completion of 56 hour shutdown works. Final run of conduits pending and works on hold. 		
<u>Crows Nest</u>		
<ul style="list-style-type: none"> Completion of concreting works, with site in use for access only 		
<u>Blues Point</u>		
<ul style="list-style-type: none"> Closing access to the tunnels from the shaft Completion of contamination investigation (last week of October) 		
<u>Barangaroo</u>		
<ul style="list-style-type: none"> Installation and energisation of the high voltage network to Barangaroo (under Watpac OOHWA) 		
<u>Martin Place and Pitt Street</u>		
<ul style="list-style-type: none"> Concreting works continuing Ventilation and M&E works continuing 		
<u>Victoria Cross, Central and Waterloo Station</u>		
<ul style="list-style-type: none"> No works reported 		
<u>SMTF South</u>		
<ul style="list-style-type: none"> Combination of blinding layer concrete pours, form reo pour (FRP) works, blockwork and earthworks continuing across buildings Underline crossing works in the stabling yard Construction WTP in final week of commissioning 		
<u>Surry Hills – Central BPS</u>		
<ul style="list-style-type: none"> No works reported 		
<u>SW Corridor Traction Substation sites:</u>		
<ul style="list-style-type: none"> Dulwich Hill and Campsie TSS – civil and concreting works continuing Canterbury and Lakemba TSS - excavation works continuing Punchbowl TSS – no works reported 		
<u>Canterbury to Campsie BPS</u>		
<ul style="list-style-type: none"> Pat O'Connor Reserve - Piling and FRP works for Abutment B Pat O'Connor Reserve - Conduit installation and backfilling continuing (on Ausgrid side) 		

Key Construction Activities Look Ahead	
<p>Look-ahead of upcoming activities / works:</p> <ul style="list-style-type: none"> • SMTF North - stabilising works on Snake Mountain, infilling and decommissioning of temporary sediment basin. • SMTF North – completion of conditions for Line Wide scope of works through CTR Q3/Q4 2021 process. • Blues Point – infilling of the shaft and commencement of works for demobilisation of the acoustic shed. • Northern Connection Ancillary Facility - investigation of potential ancillary facility between Roseville and Chatswood underway by SC. • Southwest Corridor – planning, coordination of OOHWs including identifying cumulative impacts from other SM contractor works, for upcoming Christmas Shutdown OOHWs. 	
ER Inspections	
<p>As a result of the Coved 19 situation in NSW (i.e. Construction Pause and then recommencement with stringent Coved 19 requirements), no inspections were conducted by the ER until 26 October 2021 (refer below). System Connect (SC), the Line Wide Works Contractor conducted three internal environmental inspections across the LW worksites in lieu of ER inspections. The following new minor action was raised by SC with action close-out provided via photographic evidence:</p> <p><u>Southern Sites:</u></p> <ul style="list-style-type: none"> ▪ 14/10/21 – Canterbury TSS – action raised and closed out to repair or replace damaged sections of sediment fence. <p>ER physical inspections recommenced as of 26 October 2021 of the SW Corridor with COVID-19 restrictions in place. The key issues raised were:</p> <p><u>SW Corridor Traction Substation sites</u></p> <ul style="list-style-type: none"> • Canterbury TSS - Stabilised site access/egress maintained. Hutton St was observed to be generally clean with no tracking observed at time of inspection. • Canterbury TSS - Rainwater captured on-site was being reused for dust suppression (good practice) and operators were observed to be carrying out dust suppression with hand held hoses, during rock –hammering operations. • Canterbury TSS - Rock-hammering was underway and noise blankets were observed to be installed on Hutton St side, of works. Discussion held with SC that it would be beneficial to relocate and install noise blankets on the access gate proximate to where rock-hammering was occurring and scheduled for next couple days. • Dulwich Hill TSS- Tree removal completed on Randall St and noted no complaints received from WE17 tree removal works. • Dulwich Hill TSS - Stabilised site access and sediment controls remain in place along site boundary fence (along rail corridor side). • Campsie TSS - Two Modular buildings installed at Campsie TSS during OOHW. General site housekeeping required with litter, waste in bulka bags to be removed and construction material consolidated in laydown areas. • Campsie TSS - It was observed that geofabric at site access gate was damaged (torn) and road (Lilian St) near access gate was relatively clean. SC informed the ER that vehicle movement through this access gate was currently limited. Action raised to remove damaged geofabric and replace, if required to manage tracking. • Lakemba TSS - It was noted that tree protection zone had been installed around tree to be retained. • Lakemba TSS - Rumble grid installed at site access/egress. The Boulevard was observed to be generally clean with no tracking observed at time of inspection. 	
Photos	
	
<p>Campsie TSS - Two Modular buildings installed at Campsie TSS (during OOHW).</p>	<p><u>Campsie TSS</u> – View from Lilian St of the two Modular buildings installed at Campsie TSS.</p>



<p>Dulwich Hill TSS - Form Reo Pour (FRP) works for TSS ongoing and nearing completion.</p>	<p>Dulwich Hill TSS- Tree removal completed on Randall St</p>
<p>Lakemba TSS - Excavation completed and trimming works underway at the TSS.</p>	<p>Canterbury TSS – Rock- hammering underway with operator observed to be carrying out dust suppression with hand held hose.</p>
<p>Endorsed Document/s</p>	
<p>Line Wide</p> <ul style="list-style-type: none"> ▪ OOHWA LWW-OOHW-138 - Canterbury TSS - WE16+ WE17 ULX works - Rev A and Rev B ▪ OOHWA LWW-OOHW-154 - Dulwich Hill TSS - WE16 and WE17 ULX Works – Rev A and Rev B ▪ OOHWA LWW-OOHW- 123 - WE16 Campsie TSS Building Delivery and ULX 14-18 Oct 2021 - Rev A and Rev B ▪ OOHWA - OOH-122 Campsie TSS Oversize Load Route Preparation Sept-Oct 2021 - Revision 01 and 02 ▪ OOHWA - LWW-OOHW-163 - Canterbury TSS - Rock Hammering WE17 Possession ▪ OOHWA - LWW-OOHW-157 - Lakemba TSS - Concrete Finishing Nov 2021 - Feb 2022 ▪ OOHWA - LWW-OOHW-167 - SMTF - WE19 Possession 6-7 Nov 2021 ▪ OOHWA OOH-164 Southwest WE19 Punchbowl TSS ULX Construction 6-7 Nov 2021 – Rev A and Rev B ▪ OOHWA - LWW-OOHW-148 - Southwest Corridor - HV Cabling Zone 3 WE19 5-7 Nov 2021 Rev 01 ▪ RfMA – SCLWW Construction Environment Management Plan - C2B(SMCSWLWC-SYC-1NL-PM-PLN-000033) – Rev 2 ▪ RfMA – SCLWW Air Quality Management Sub-Plan - C2B (SMCSWLWC-SYC-1NL-PM-PLN-000373) - Rev 2 ▪ RfMA – SCLWW Waste, Recycling and Spoil Management Plan - C2B -SMCSWLWC-SYC-1NL-PM-PLN-000374 – Rev 3 ▪ RfMA - SCLWW Heritage Management Sub-Plan - C2B -SMCSWLWC-SYC-1NL-PM-PLN-000375 – Rev 2 ▪ RfMA - SCLWW Visual Amenity Management Sub-Plan - C2B - SMCSWLWC-SYC-1NL-PM-PLN-000376 – Rev 2 ▪ RfMA – SCLWW Flora, Fauna and Biodiversity Management Sub-Plan - C2B -SMCSWLWC-SYC-CSW-EM-PLN-002579 – Rev 2 	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<p>Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.</p>	



Non-compliances:

No non-compliances recorded for the reporting period.

LW North Complaints:

- Nil

LW South Complaints:

- 15/10/2021 - Campsie Substation -Property Access – Resident was unhappy because she could not access her property fully due to two generators being on her property.
- 16/10/2021 - Campsie Substation - Traffic, Transport & Parking – Complainant approached Council who made representations on her behalf to SM. The allegation was that a traffic sign was found in a garden bed in the front yard of the property of the complainant.
- 16/10/2021 - Campsie Substation - Noise & Vibration - OOHV – Complaint regarding truck idling with engine on outside the resident's home.
- 20/10/2021 – Campsie Substation -Notification of work/ utility supply interruptions - Resident expressed disappointment regarding not being informed when the power to the street would be turned back on during the short term power outage on 16 Oct 21. The resident claimed to be inconvenienced and claimed compensation.
- 23/10/2021- Canterbury Substation - Noise & Vibration - Standard hours – Complaint related to drilling works during standard construction hours and a lack of communication around this.

There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256. The following minor (class 3) incidents were recorded:

LW North Incidents:

- 08/10/2021 - Chatswood Dive Area - A small drip (approximately 100mL) of diesel was observed to be leaking onto hardstand from a 2 inch portable pump in the yard.
- 13/10/2021 - Crows Nest - A minor volume (approximately 1.5L) of concrete curing compound leaked on to the floor of the station box. The spill was contained within the station box and cleaned up immediately.

LW South Incidents:

- 26/10/21 - Canterbury TSS - A minor leak (<1 L) from a hydraulic hose of a parked and stationary water cart was observed on Hutton St, Canterbury TSS. Spill kit pads and absorbent had been deployed to clean up the spill.

Audits

- Nil this reporting period

Looking Forward – Core Focus Areas

Line Wide

- SMTF North – ensuring appropriate stabilising works on Snake Mountain as part of handover to SM
- SMTF North - review of CTR Q3/Q4 2021 for completion of conditions for Line Wide scope of works
- Blues Point – infilling of the shaft and commencement of works for demobilisation of the acoustic shed
- Southwest Corridor – upcoming Christmas Shutdown OOHVs and associated cumulative noise impacts and identification of appropriate mitigation measures (Respite Offers/Alternate Accommodation) with other SM contractor works in the vicinity of LWW.
- Q3 CTR Reporting for LWW



5. 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		
TSOM – SMTF(N)	<ul style="list-style-type: none"> ▪ Testing and commissioning (T&C) activities across Roads 30-35, works continue with the rectification of minor defects <p>Maintenance shed:</p> <ul style="list-style-type: none"> ▪ Installation of track side equipment (City and Country End) ▪ Completion of T&C of Balise’s and mechanical commissioning of the points in the provisional sum area ▪ Completion of terminations in the DCS cabinets (City and Country End) with T&C works continuing ▪ Completion of modification of axel counters (City Ends of Roads 5-8) ▪ Two train deliveries received 	
Degnan OCC Works	<ul style="list-style-type: none"> ▪ T&C works ongoing in Central Equipment Rooms 1 and 2 	
Tunnels Chatswood Dive to Southern Dive	<p>Northern and Southern Dives:</p> <ul style="list-style-type: none"> ▪ Completed TSOM worksite and laydown area establishment ▪ Installation of cross passage (XP) cabling and equipment continuing <p>Northern Dive to Crows Nest Station tunnel section:</p> <ul style="list-style-type: none"> ▪ Completion of construction readiness activities for commencement of trackside equipment installation (TEI) works, XP equipment, cable installation and tie-in works <p>Barangaroo Station to Victoria Cross Station tunnel section:</p> <ul style="list-style-type: none"> ▪ Works paused currently due to Blues Point Shaft access no longer being available to TSOM from late November <p>Waterloo Station to Southern Dive tunnel section:</p> <ul style="list-style-type: none"> ▪ Continuing XP equipment, TEI works within both the Up and Down tunnels ▪ Commencement of cable installation works within both the Up and Down tunnels 	
Key Construction Activities Look Ahead		
<p>SMTF North</p> <ul style="list-style-type: none"> ▪ WE19 (6 -7 Nov 21) – Weekend Possession (0700-1700) <ul style="list-style-type: none"> ○ Install – SMTF-N – Admin Building (cable pulling, cabinet deliveries and radio antenna installation) ○ Static and dynamic testing ○ Survey of Chatswood turnback ▪ WK18-21 (1 – 26 Nov 21) – Extended Engineering Hours (2200-0400) <ul style="list-style-type: none"> ○ Dynamic Train Testing between SMTF-N and Chatswood to test newly installed equipment ▪ Train Deliveries, Train Shunting to Maintenance Building and Static Train Commissioning <p>Northern Dive (Chatswood) and Southern Dive (Marrickville)</p> <ul style="list-style-type: none"> ▪ Continued fit out of XP, installation of trackside equipment, communication and signalling cables <p>Victoria Cross and Barangaroo</p> <ul style="list-style-type: none"> ▪ Fit out in XPs and delivery of plant and material (Barangaroo) <p>Sydenham Station</p> <ul style="list-style-type: none"> ▪ Survey work and cable hauling along the track ▪ Installation of edge barriers, signalling and communications equipment including fit out of communications room <p>Southwest corridor</p> <ul style="list-style-type: none"> ▪ Site survey and investigations only 		
ER Inspections		
<ul style="list-style-type: none"> ▪ No ER inspections conducted in October 2021. 		
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
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"> Development of Internal TSOM Compliance Tracking Register (CTR) by the Contractor for three planning approvals

6. 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	Michael Woolley/Rui Henriques
	Crows Nest ISD – Sydney Metro	Rui Henriques/ George Kollias
	Waterloo ISD – John Holland	George Kollias/ Swathi Gowda
	Pitt Street ISD - CPB	Rui Henriques/ Michael Woolley
Key Construction Activities During the Period		
MP-ISD		
<p>Bligh Street:</p> <ul style="list-style-type: none"> Concrete deliveries and pumping. Water treatment plant operation <p>Martin Place South (MPS)</p> <ul style="list-style-type: none"> FRP for southern end of the pedestrian tunnel Construction (FRP) of walls; columns and floor slabs Jump form use Other general construction activities. <p>Martin Place North (MPN)</p> <ul style="list-style-type: none"> Various building work activities such as FRP for columns; lift shafts; walls; floor slabs and other various items. One jump form complete on Elizabeth Street well above street level. Concrete column sections placed with framework. <p>Station Caverns and Adits</p> <ul style="list-style-type: none"> Installation of ventilation/exhaust systems Other fit out activities including installation of services, including fire safety systems. 		
VC-ISD		

**Victoria Cross North**

- Ongoing Water proofing of shaft walls including during evening period.
- Water management with water being pumped to the shaft and to Line Wide pipes leading to Chatswood until WTP on line.
- FRP works for building core, walls and columns.
- Operation of Alimak lift and stretcher stair.
- Concrete deliveries and Pump area active and partially modified to address lower noise impacts for evening works.
- Commissioning of new Water Treatment Plant in northern area of the site.

Victoria Cross South

- Preparation for jump form along 65 Berry Street for building core.
- Water management with water being pumped to the shaft and to Line Wide pipes leading to Chatswood.
- Monitoring of wall movement.
- FRP activities for walls; footings and pits.
- Jumpform Assembly and use in FRP.

Station Cavern

- Installation of ventilation ducting and services on roof of cavern.
- FRP works on platforms in south and north and back of house areas.
- Installation of pre-cast platform units.
- Laydown area on cavern floor.

CN-ISD

- Waterproofing activities ongoing (primarily around the southern portal)
- Jumpform lifts of cores at Site A and Site B
- Steel fixing and formwork primarily on perimeter walls but also bottom slab
- Placement of scaffolding for construction of overhead tunnel extraction system
- Construction of overhead extraction system using precast slabs/planks on steel
- Stripping Placing of concrete shutters for wall construction
- Concrete pours for walls
- Site deliveries with a 150t crane craned into the station box
- Platform construction, including topping slab over central precast elements
- Delivery of precast concrete girders placed at level B3 (3 levels above the floor of the station box).

PS-ISD**Pitt Street South**

- Concrete delivery setup
- Jumpform structures at Level 01 (above street level)
- Water management and operation of water treatment plant (WTP) as required.
- Concrete slab pours at B01 and B01 Mezzanine (level below street level) continued
- Euro tower connection from hanging piles to existing footing 90% complete – to B02.
- General FRP and Concrete works to construct the building perimeter walls to ground level.
- Dismantling of formwork climbing systems underway

Adits and Platform Caverns

- Adits FRP works and formwork removal, and general construction to back of house areas
- Services and ventilation installation and support.
- Fit out works to platforms
- Track Slab FRP works and concrete pours – nearing completion.

Pitt Street North

- Jump form modification and dismantling of west core
- Jumpform structures at Level 02
- Final dismantling of West core jumpform - completed
- Formwork up to B03, B02 and B01 - East to West respectively.
- Concrete pours for Central columns, B02 and B03
- Central core completed
- Waterproofing works.
- Concrete deliveries for B02

WL-ISD
<ul style="list-style-type: none"> ▪ Steelwork, formwork and wall pours through Level B2/B3 ▪ Form and pour works within Jump Form North ongoing, South Jump Form being demobilised ▪ Over Track Exhaust (OTE) structural steel install, fireproofing spray and CFC sheeting ongoing ▪ Levels B5 / B6 blockwork for back of house and escalator void ongoing ▪ B6 Up Track area handed over to Linewide ▪ Utility works at corner of Cope St and Wellington St
Key Construction Activities Look Ahead
MP-ISD
Ongoing similar construction/building activities as described for the reporting period.
VC-ISD
Ongoing similar construction/building activities as described for the reporting period. Extension of evening period activities at VCN including concreting works. Ongoing progression of the stormwater works on Denison Street.
CN-ISD
Ongoing similar construction/building activities as described for the reporting period, including precast concrete girder deliveries up to 4 nights per week in accordance with the high risk OOHW approval by the DPIE.
PS-ISD
Ongoing similar construction/building activities as described for the reporting period, Additionally, removal of the capping beams at street level on both Pitt Street South and Pitt Street North, including concrete cutting over a period 4 to 6 weeks, during construction hours, and on Saturdays between 1 pm and 4:30 pm as a contingency if required to address unexpected safety issues.
WL-ISD
Look-ahead of upcoming activities / works: Potential full road closure of Cope Street from Jan 2022 Potential OOH works once works continue up and out of Station Box (particularly Level 1 to 3) between 6pm and 10pm from early 2022
ER Inspections
MP-ISD
There was one ER inspection conducted by the ER on 28 th October 2021. No key issue was raised at this inspection. Lendlease continued to provide internal site inspection reports throughout the period as per previous reporting periods due to CPVID site access restrictions for the ER.
VC-ISD
Weekly inspection reports as completed by Lendlease were provided to the ER and TfNSW in the absence of ER Inspections due to COVID restrictions. The reports were brief, however did contain photos. Site activities and photos were also discussed during fortnightly meetings. There were no material environmental issues raised in the reports. There was one ER inspection conducted by the ER on 19 th October 2021. No key issues were raised at this inspection.
CN-ISD
There was one ER inspection conducted by the ER on 20 th October 2021. The key issues raised at these inspections were: <ul style="list-style-type: none"> ▪ Information required on purpose of steel structures erected atop and along the perimeter of the container walkway adjacent Clarke Lane. ▪ Fuel containers identified throughout the station box including an unbunded container containing fuel. Further action required to discourage practice of leaving containers scattered throughout the station box. ▪ Some rubbish identified within spill kits.
PS-ISD
There were two ER inspections conducted by the ER on 12 th October 2021 and 26 th October 2021. No key issues were raised at the inspections.
WL-ISD

There were two ER inspections conducted by the ER on 7th October 2021 and 21st October 2021. The key issues raised at these inspections were:

- Tree protection was observed in place around street trees in work area where electrical installation works were being undertaken along footpath and within roadway of Cope St.
- Unexpected Heritage Find (07/10/21, Cope St) - bluestone brick pavement uncovered during Utility Works later in the day (post-inspection). Works stopped, Heritage Consultant on site to investigate and determine the level of significance.
- Saw-cutting was identified as a significant contributor to noise outside the site (prior to inspection start, before 8am). Demolition saw-cutting of shotcrete was observed whilst onsite. Review of upcoming capping beam demolition activities by JHG will be undertaken including an update to the CNVMP for REMM NV7 “Alternative demolition techniques”
- Preparations for use of Church Annex for Minor Ancillary Facility underway, with access constructed from existing site shed compound on south side. No fixings to church observed.
- Utility works at corner of Cope St and Wellington St. Tree protection in place for closest tree to works. Recent complaint from resident regarding cumulative impact, noise and vibration (CPM visited resident to discuss).
- Waste asphalt sent to recyclers, ensuring that any coal-tar found whilst trenching in the streets, is disposed of separately.
- Discussed use of all-day parking spots with JHG and to continue monitoring. No complaints received

Photos

MP-ISD



Martin Place North from Bligh Street Compound



Columns and jump form above ground level at MPN.



Platform construction in station cavern



Pedestrian access way at platform level between MPS and MPN – fit out activities



Pedestrian tunnel between MPS and MPN



Last section of the access to the pedestrian tunnel between MPS and MPN

VC-ISD



Denison Street stormwater works



Denison Street stormwater works



VCS – FRP works.



Water Treatment Plant at VCN



VCN Compound



Station Cavern

CN-ISD



Platform and over track exhaust (OTE) structures to sides



Precast girders in place view south



View towards the north



Ongoing wall steel fixing and shutter placement with Hume St above



North tunnel portal steel fixing for perimeter wall



Construction of platform and OTE structure



Waterproofing at southern tunnel portal



View North of delivery lane on Pacific Hwy (Site A)

PS-ISD



Pitt St South (PSS) Perimeter wall FRP to ground level



PSS capping beam on right to be cut at Street level



Various steel fixing and formwork at B01 and B01M level



Eastern cavern back of house and OTE ventilation fans



Eastern cavern track slab and platform



Western cavern track slab and platform with OTE on left



Pitt St North (PSN) water treatment plant



PSN western side: FRP at levels B01 and B02



PSN eastern side: FRP at level B03



PSN Park St capping beam below hoarding, at street level



WL-ISD



Station Box - Steelwork, formwork and wall pours through Level B3 and up



Levels B5 blockwork continuing for back of house and also for escalator void



Trench alignment saw-cut and peeled up by excavator.



Steelwork, formwork and concrete pours ongoing at B2/B3 Levels



Over Track Exhaust (OTE) structural steel install, fireproofing spray and CFC sheeting



Preparations for use of Church Annex for Minor Ancillary Facility, with access constructed from existing site shed compound on south side. No fixings to church observed





Endorsed Document/s
MP-ISD
<ul style="list-style-type: none"> ▪ Nil
VC-ISD
<ul style="list-style-type: none"> ▪ OOHW17 ▪ OOHW15 VCN Site Structures Rev 4
CN-ISD
<ul style="list-style-type: none"> ▪ OOHW 011 - Ultegra Cable Hauling and Backfilling (Further extension due to industrial action) ▪ OOH-010 Extended Work Hours (extension of crane use to 12am 4 nights a week)
PS-ISD
<ul style="list-style-type: none"> ▪ OOH30 October OOHWs
WL-ISD
<ul style="list-style-type: none"> ▪ Minor Ancillary Facility Assessment - Church Annex Rev D ▪ Minor Ancillary Facility - Raglan Street Rev1 ▪ OOHWA #20 November OOH Work_RevA
Complaints / Incidents / Non-compliance
ALL
<p>Sydney Metro has been providing summaries of complaints to DPIE 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. There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. There are some minor events and a Non-Compliance that the ERs are aware of as documented below.</p>
MP-ISD
Nil incidents or Non Compliances were reported or observed during the reporting period.
VC-ISD
Nil incidents or Non Compliances were reported or observed during the reporting period. Approximately 5 complaints were reported by the project during the reporting period relating to noise; crane operating after 6:00pm (OOHWs were approved); and safety of workers.
CN-ISD
<p>There were no non-compliances or Incidents reported to the ER. One (1) minor incident (hydraulic seal failure on EWP) was reported which was managed adequately.</p> <p>Seven (7) complaints were reported by the project during the reporting period. Two were not related to the project and five related to OOH noise, particularly over-size precast concrete girder delivery.</p>
PS-ISD
There were no non-compliances or Incidents reported to the ER. There were 3 (three) complaints during the period, two of which were not related to the site, and one which was a misinterpretation of traffic controller gestures.



WL-ISD
<p>There was one non-compliance reported to the ER this reporting period:</p> <ul style="list-style-type: none"> ▪ NCR (25/10/21) - Completing work (saw cutting) out of hours that was not approved in the out of hours permit. This resulted in a community complaint and a non-conformance with CoA E47. <p>Complaints received:</p> <ul style="list-style-type: none"> ▪ 28/10/2021 - Traffic, Transport & Parking - Stakeholder calling to complain about workers parking in the business car spaces. ▪ 27/10/2021 - Noise & Vibration- OOHW - Stakeholder complaining about work taking place outside standard work hours. ▪ 26/10/2021 - Noise & Vibration- OOHW - Stakeholder was complaining about noisy work disrupting his sleep. ▪ 25/10/2021 - Air Quality/Noise & Vibration -Stakeholder complained about noise and dust from the station box outside standard work hours. ▪ 19/10/21 - Cumulative Impact, Noise & Vibration (Standard Hours Complaint) – Resident yelling abuse at Traffic Controllers about utility works ay corner Wellington St & Cope St. CPM visited resident. <p>Incidents reported to the ER this reporting period:</p> <ul style="list-style-type: none"> ▪ 26/10/21 -During utility work which required trenching to install new electrical cables an unexpected utility (water) leak occurred at cnr of Wellington/Cope St roundabout. JHG notified the EPA of the incident and provided an emergency works report to SM. 27/10/21 - Minor diesel spill (2L) onto hardstand (north of the church) near mobile crane within the Project site.
Audits (specific to packages reported in this report)
PS-ISD
CPB Internal Audit Opening and closing out Meeting – 27/10/2021
Looking Forward – Core Focus Areas
MP-ISD
<ul style="list-style-type: none"> ▪ Nil
VC-ISD
<ul style="list-style-type: none"> ▪ High duration of out of hours works planned at and around the north and south shafts.
CN-ISD
<ul style="list-style-type: none"> ▪ Out of hours works focus on justifications and assessment compliant with OOH Protocol, and monitoring and minimisation of impacts on receivers, particularly, particularly in relation to over-size precast concrete girder delivery. ▪ Compliance tracking program reporting Q2 2021.
PS-ISD
<ul style="list-style-type: none"> ▪ Out of hours works focus on justifications and assessment compliant with OOH Protocol, and monitoring and minimisation of impacts on receivers. ▪ Management of noise impacts during capping beam removal works ▪ Compliance tracking program reporting Q2
WL-ISD
<ul style="list-style-type: none"> ▪ Potential full road closure of Cope Street from Jan 2022 and planning activities including associated approvals and consultation for road closure of Cope Street. ▪ Potential OOH works once works continue up and out of Station Box (particularly Level 1 to 3) between 6pm and 10pm from early 2022. JHG investigating option of pursuing a community agreement. ▪ Compliance tracking program reporting Q2 2021

7. 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		
Civil Works: <ul style="list-style-type: none"> ▪ Site establishment - relocation of TSE site sheds to BESIX Watpac site compound ▪ Demolition of concrete slab in preparation for stormwater trunk relocation; waste classification ▪ Investigation and pot-holing, including on Hickson Road ▪ Water Treatment Plant (WTP) operation; preparation for first round of water quality monitoring ▪ Waste classification of WTP filter cake ▪ Removal of concrete precast beams from steel girders over the station box; breaking precast beams and separation of concrete and steel (including Out of Hours activities approved under BR-OOHW-003 - 4 nights 27/10-30/10) Station Box: <ul style="list-style-type: none"> ▪ High-voltage installation works by Linewide under approved BR-OOHW-004 (4 nights 27/10-30/10) ▪ Set-up works in the station box, including delivery of blockwork, scaffolding for stairs ▪ New hoist installed in the station box; new stairs and scaffolding in the northern shaft 		
Key Construction Activities Look Ahead		
Civil Works: <ul style="list-style-type: none"> ▪ Commencement of sheet piling for stormwater trunk relocation ▪ Steel girders over the station box at Hickson Road to be removed under OOHWA-003 ▪ First round of water quality monitoring from the WTP discharge Station Box: <ul style="list-style-type: none"> ▪ Install of blockwork and setup of scaffold ▪ Install of steel works for the Over Track Exhaust (OTE) 		
ER Inspections		
There were two ER inspections conducted by the ER in October 2021 (14/10/2021 and 28/10/2021). The key issues raised at these inspections were: <ul style="list-style-type: none"> ▪ Intermediate Bulk Containers (IBCs) of Potassium Permanganate, and corrosives Sulphuric Acid and Sodium Hydroxide Solution, were stored on bunds but not covered. If rainwater enters the bunds it would need to be pumped out and disposed as liquid waste. ▪ Filter cake from the WTP was stockpiled on hardstand in the proposed site compound location; pending the results of testing for waste classification. There were no controls in place around the stockpile. <ul style="list-style-type: none"> ○ Interim controls were placed post-inspection 		
Photos		
		
IBCs with bunding but not covered	Stockpile of filter cake – no controls in place, pending waste classification	
Endorsed Document/s		
<ul style="list-style-type: none"> ▪ BN OOHW-002 Application Station Work Rev02 ▪ BN OOHW-003 Application Hickson Rd Night Works Rev02 ▪ BN- OOHW-004 HV Installation Linewide Rev01 		
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 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 not aware of any complaints received during October 2021 related to the BESIX Watpac works.
Audits
No ER involvement in audit activity including Independent Environmental Audits.
Looking Forward – Core Focus Areas
<ul style="list-style-type: none"> ▪ Monitoring of compliance with CoA E107 and implementation of the CEMP Soil and Water Procedure, including contamination and acid sulfate soil management during stormwater trunk relocation. Review of water quality monitoring data. ▪ Review of noise monitoring data and compliance with noise requirements during OOHW for the steel girder removal above the station box on Hickson Road, and deliveries to the station box. ▪ Commencement of review for the Barangaroo CTR 2021 Q4

8. Sydenham to Bankstown Sydney Metro Corridor (SMC)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Sydenham to Bankstown Sydney Metro Corridor (SMC)	Jo Heltborg
Key Construction and Low Impact Works Activities - During the Period		
<ul style="list-style-type: none"> ▪ Livingstone Road Bridge, Marrickville: Bridge repairs (sand blasting, abutments), Overhead wiring footing installation, GST defects. ▪ Melford Street, Hurlstone Park: Preparation for construction of retaining wall over culvert including new access; Bolts for throw screens on bridge. ▪ Church Street, Hurlstone Park: Bridge repairs. ▪ Canterbury Compound: Preparation for demolition of former Bowls Club including stripping of hazardous materials. ▪ Park Street, Campsie: Service investigations during the Weekend 16 (WE16) Possession. ▪ Loch Street, Campsie: Preparation for throw screen installation on Loch Street Bridge. Non-destructive digging and tree pruning. ▪ Loftus Street, Campsie: GST post installation. ▪ Cecilia Street, Belmore: Continuation of GST installation from the Belmore Triangle; new access. ▪ Belmore Triangle, Redman Parade: Preparation for Under Line Crossing (ULX) during WE16; GST installation. ▪ RW21, Railway Parade Lakemba.: Preparation for construction of the batter chute and drainage from Retaining Wall 21 (RW21); Vegetation clearance ▪ Punchbowl Laydown Area, Urunga Parade: Stockpiling of spoil; Slurry storage; Underground CSR installation ongoing. ▪ Punchbowl Substation, South Parade/Scott Street: Cable pulling. Preparation for ULX to traction substation over WE16. Protection of threatened species <i>Acacia pubescens</i>. ▪ Stansfield Ave, Punchbowl: ULX to Punchbowl Traction Substation over WE16; Stockpiling. ▪ North Terrace Car Park, Bankstown: Setup of site compound over WE16, including fencing, site sheds and amenities. Tree pruning, Pre-clearance inspections and Ibis relocation. Decking commenced. ▪ South Parade, Bankstown Metro Services Building (MSB): Tree removal and import of DGB for piling pad over WE16; Pre-clearance inspections and Ibis relocation. Static rolling of piling pad. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> ▪ CSR and GST installation along the alignment ▪ Planning and preparation for WE19 possession ▪ Vegetation pruning and removal ▪ Bridge repair works and preparation for throw screen installation (including piling) at a number of locations ▪ Form Reo Pour of batter chute and dissipation at RW21, Lakemba ▪ Ongoing service investigations ▪ Works in the Belmore Archaeological Management Zone (AMZ) ▪ Works in proximity to Threatened Ecological Communities (TECs) and threatened species (<i>Acacia pubescens</i>) ▪ Demolition of the former Bowling Club, Canterbury Compound 		



<ul style="list-style-type: none"> ▪ Spoil management, classification and reuse/removal ▪ ULX' at a number of locations ▪ Piling pad establishment at the Bankstown Station MSB; Preparation of commencement of works for the southern platform 	
ER Inspections	
<p>There were two inspections conducted by the ER in October 2021 (05/10/2021 and 19/10/2021). The key issues raised were:</p> <ul style="list-style-type: none"> ▪ Materials were stored within the dripline of a tree at the Punchbowl Laydown Area. ▪ Maintenance of tree protection measures and flagging for threatened species <i>Acacia pubescens</i> at the Punchbowl Traction Substation site ▪ An unprotected stormwater drain was located downgradient of the site in the rail corridor, Loftus Street Campsie. ▪ GST installation works were close to unprotected trees in some locations, Cecilia Street, Belmore. <p>Actions were raised for the above issues, and all actions were in the process of being closed-out by JHLOR.</p>	
Photos	
	
<p>Material stored under dripline of tree, which were removed and action closed out</p>	<p>Unprotected stormwater drain in the rail corridor. Controls were later applied to the drain and the action closed</p>
	
<p>Tree protection had come down in one location in an area of <i>Acacia pubescens</i>, which has since been actioned and closed-out</p>	<p>Tree protection was recommended at Cecilia Street, Belmore, which was installed and the action closed.</p>
Endorsed Document/s	
<ul style="list-style-type: none"> ▪ Minor Ancillary Facility Checklist - Belmore Triangle v4 ▪ Sydney Metro Compliance Tracking Review, SMEW-Q2-2021 ▪ SMEW Visual Amenity Management Plan Rev05 	
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 SMC.</p>	
<p>The ER is not aware of any non-compliances for SMC for the period.</p> <p>There were no incidents for SMC reported to the ER under conditions A36 of SSI 8256.</p> <p>There was one Class 3 environmental incident reported during the period:</p> <ul style="list-style-type: none"> ▪ A concrete pump hose split, resulting in an uncontrolled release of concrete which sprayed on a nearby tree. The 	



incident was primarily safety related. Clean-up was conducted and impacts to the tree were assessed as negligible. The ER is aware of two complaints received during October 2021 related to the SMC works:

- 17/10/21: Out of Hours Noise complaint, Dulwich Hill. CLOSED.
- 24/10/21: Resident was having trouble moving with a trailer due to restricted driveway access. CLOSED.

Audits

- No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas

- Management of ERSED controls generally
- Maintenance of tree protection measures, particularly in the vicinity of TECs and *Acacia pubescens*
- Compliance with relevant CoAs and REMMs, and implementation of CHMP requirements during GST works in the Belmore AMZ
- Implementation of the Tree Report during vegetation pruning and removal
- Management of noise during OOHW WE19 possession
- Completion of the SMC CTR 2021 Q3



9. 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		
<ul style="list-style-type: none"> ▪ Possession works at all three stations during weekend 16 and 17, midweek 16 ▪ Marrickville: Temporary haul road (internal) constructed for ARTC access. Soil remediation works complete at the MSB, reo installation at MSB commenced, removal of bulk concrete within Platform 0/1 completed, coring and concrete pours for fence footings P0/1 commenced, CSR containment at country end ▪ Canterbury: Ongoing excavation of the MSB. Lift 1 (Platform 1) stair footing commenced, concrete pours for lift shafts completed and waterproofing commenced, demolition works P0/1 building commenced, light pole footings, 3 ULX dig, bridge remediation works, GST works on rock face city end. ▪ Lakemba: CSR and platform LCR works. Piling works for MSB continued, capping beam works commenced, drainage works on Railway Parade completed, cess drainage works ongoing, commenced demolition of interior station walls, 		
Key Construction Activities Look Ahead		
Upcoming Rail Possession WE 19 (06-08 Nov), planning OOH for December weekend and January two week possessions.		
Marrickville:		
<ul style="list-style-type: none"> ▪ Marrickville footpath works recommencing during November ▪ Heritage carpentry works in platform filling floors ▪ Platform 0 fence construction ▪ CSR containment at country end ▪ Continuation of Platform 1&2 works ▪ ULX launch pits ▪ Form reo pour commence for MSB ▪ Throw screen installations 		
Canterbury:		
<ul style="list-style-type: none"> ▪ Building works P0/1 ongoing, commencing fit-out of station building ▪ Sydney Water relocation works ▪ MSB excavation works ongoing, including exposing unexpected find for documentation and removal ▪ Tree pruning and footpath works at Broughton Street ▪ Bridge remediation works ▪ Stair removal (likely January Shutdown) ▪ Crane lifts for lift installation (likely January Shutdown) 		
Lakemba:		
<ul style="list-style-type: none"> ▪ MSB Piling works, Halton Street piling works. ▪ Sewer realignment works on Railway Parade ▪ Low voltage light poles to be installed ▪ Works inside roof cavity of station building, demolishing interior of station building ▪ GST installation in up Cess ▪ Installing drainage pits and connection to ULX to platform 		
ER Inspections		
There was two scheduled inspection conducted by the ER on 13/10/2021 and 23/10/2021 The key issues raised at these inspections were:		
Marrickville:		
<ul style="list-style-type: none"> ▪ Minor maintenance of sediment controls and general housekeeping and waste/litter requiring removal. ▪ Maintaining tree protection zones 		
Canterbury:		
<ul style="list-style-type: none"> ▪ Signage and exclusion zone for MSB unexpected find ▪ Removal of items from a tree protection zone. ▪ General housekeeping and waste/litter requiring removal. ▪ Discussion on dust mitigation 		
Lakemba:		
<ul style="list-style-type: none"> ▪ Minor maintenance of sediment controls 		



- Discussion on dust mitigation

Photos



Marrickville Bridge works



Marrickville MSB



Canterbury MSB



Canterbury platforms and bridge works



Lakemba Platform works



Lakemba MSB works









Endorsed Document/s
<ul style="list-style-type: none">▪ OOHW Canterbury tile rectification▪ WK14 – Lakemba surveillance works▪ WK15 OOWH GST Canterbury,▪ WE16, 17, WK16 OOHA and CNVIS's for Marrickville, Lakemba and Canterbury▪ Minor amendments to Canterbury 6 Charles St approval for vegetation removal▪ Minor amendments to the Lakemba Railway Street compound approval for laydown at The Boulevarde
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 not aware of any NCR's for the month and 19 complaints relating to MCL works for the period.</p>
<p><u>Complaints:</u></p> <p>A summary of the complaints received in the period is as follows:</p>
<p><u>Marrickville</u></p> <ul style="list-style-type: none">▪ Four complaints in relation to vibration from the MSB compaction works.▪ One relating to organisation of AA.
<p><u>Canterbury</u></p> <ul style="list-style-type: none">▪ Two relating to organisation of AA.▪ Seven for noise.▪ One in relation to traffic and worker behaviour.▪ One in relation to damage to tree damage▪ One property damage (cracking).
<p><u>Lakemba</u></p> <ul style="list-style-type: none">▪ One complaint in relation to sediment tracking.
Audits
<p>No ER involvement in audit activity including Independent Environmental Audits (IEA Program).</p>
Looking Forward – Core Focus Areas
<ul style="list-style-type: none">▪ Continued updates and implementation of CEMP, Sub-Plans and ESCP.▪ Traffic access and control, vibration at Marrickville and Canterbury, workforce behaviour.▪ Planning upcoming possessions, including possession meetings with other metro contractors▪ Compliance tracking program reporting (Q3, 2021)▪ Inspections for potentially high impact works, in particular the Marrickville ULX.

10. Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW) (Downer)	Brett McLennan
Key Construction Activities During the Period		
<p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> ▪ Rock-breaking works completed. ▪ MSB – Removal of stockpiled spoil, retaining wall drilling commenced. ▪ Lift pit excavations continued <p><u>Belmore</u></p> <ul style="list-style-type: none"> ▪ Tobruk Ave landscaping commenced. ▪ MSB – construction continued with walls built. ▪ GST installation ongoing. <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> ▪ MSB – Shotcreting of MSB retaining wall ongoing. ▪ ULX and CSR ongoing. ▪ King Georges Road batter trimming commenced. 		
Key Construction Activities Look Ahead		
<p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> ▪ Installation of platform pre-cast panels. ▪ Complete lift pit excavations. ▪ MSB – drainage works, shotcrete batter, tree removal and stump grinding. ▪ Install thrown screen soil nails at bridge. ▪ Trenching works for utility connections. <p><u>Belmore</u></p> <ul style="list-style-type: none"> ▪ Tobruk Ave landscaping continued. ▪ MSB – finish walls and install roof. ▪ MSB and rail corridor drainage pits to be installed. ▪ GST installation ongoing. ▪ Northern landscaping area to commence. <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> ▪ MSB – MSB conduit and drainage excavation. ▪ Batter trimming and concourse demolition. ▪ Trenching works for utilities connections. 		
ER Inspections		
<p>There was two scheduled inspections conducted by the ER on 14/10/2021 and 28/10/2021, and one possession inspection on 21/10/2021. The key issues raised at these inspections were:</p> <p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> ▪ Remove items stored in tree protection zone. ▪ Maintain noise mitigation measures. ▪ Minor maintenance of sediment controls. <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> ▪ Minor maintenance of sediment controls. ▪ Hoarding installation in compliance with the VAMP. ▪ Noise mitigation for generator (noted generator moved however noise mats were not relocated). ▪ General housekeeping. ▪ Tree strike and concrete washout in protection zone (under investigation as an NCR). 		









Photos	
	
Hurlstone Park MSB	Hurlstone Park platform 2
	
Belmore MSB	Belmore Platform 1
	
Wiley Park embankment	Wiley Park MSB
Endorsed Document/s	
<ul style="list-style-type: none"> ▪ OOHW WE16, WK16, WE17. ▪ Updated WE17 OOHW. 	
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 HBW.</p> <p>The ER is aware of no new non-compliances and eleven complaints for HBW for the period.</p> <p><u>Complaints:</u> All complaints are summarised is as follows: <u>Hurlstone Park</u></p> <ul style="list-style-type: none"> ▪ Three related to worker behaviour 	

<ul style="list-style-type: none"> ▪ Two relating to idling vehicles. ▪ One related to parking. ▪ Two relating to organisation of AA. ▪ One relating to notification and tree removal. <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> ▪ Two relating to organisation of AA. ▪ One related to vehicle damage. <p>There were no incidents for HBW reported to the ER under conditions A36 of SSI 8256.</p>
Audits
No ER involvement in audit activity including Independent Environmental Audits (IEA Program).
Looking Forward – Core Focus Areas with discussion link back to look ahead above section
<ul style="list-style-type: none"> ▪ Continued updates and implementation of CEMP, Sub-Plans and ESCP. ▪ Focus on noise mitigation, stakeholder consultation, workforce behaviours and idling vehicles on all sites. ▪ Planning for upcoming possessions in December and January. ▪ Compliance tracking program reporting (Q3, 2021).

11. Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)	Brett McLennan
Key Construction Activities During the Period		
<p><u>Dulwich Hill:</u></p> <ul style="list-style-type: none"> ▪ Platform building refurbishing works continued. ▪ Lift pit works continued. ▪ MSB - Conduits laid in MSB and backfilling ongoing. ▪ Abutment A retaining wall completed. <p><u>Campsie:</u></p> <ul style="list-style-type: none"> ▪ Platform works continuing ▪ MSB – ground preparation works continued. ▪ Pre-possession set up works underway. ▪ Compound sheds relocated to Wilfred Avenue. <p><u>Punchbowl:</u></p> <ul style="list-style-type: none"> ▪ MSB – Earthworks, formwork and service installation continued. Drainage works and slab pours commenced. ▪ Installation of OSD pits continued. ▪ Southern stairs were removed. 		
Key Construction Activities Look Ahead		
<p><u>Dulwich Hill:</u></p> <ul style="list-style-type: none"> ▪ Platform building refurbishing works. ▪ Lift pit works. ▪ MSB construction ▪ Abutment A works continue (minor rock trimming required). ▪ Wardell Road throw screen anchor points to commence. <p><u>Campsie:</u></p> <ul style="list-style-type: none"> ▪ Concourse works continuing ▪ MSB works continue. ▪ Pre-possession set up works underway. ▪ Platform 0 excavation works to occur. <p><u>Punchbowl:</u></p> <ul style="list-style-type: none"> ▪ MSB –Complete drainage works and slabs. ▪ Install new stairs to concourse. ▪ Continue lift works on platform ▪ Install retaining wall. 		



ER Inspections	
<p>There were two scheduled inspections conducted by the ER on 14/10/2021 and 23/10/2021. The key issues raised at these inspections were:</p> <p>Campsie:</p> <ul style="list-style-type: none"> General housekeeping of minor rubbish. <p>Punchbowl:</p> <ul style="list-style-type: none"> Minor ESC maintenance was required at the MSB site boundary. Removal of construction materials and spoil from a TPZ. 	
Photos	
	
Punchbowl PAD	Punchbowl MSB
	
Campsie platforms	Campsie Cess and MSB
	
Dulwich Hill Abutment A	Dulwich Hill (Control of broken water pipe flowing onto the site)
Endorsed Document/s	
<ul style="list-style-type: none"> OOHW WE16, WK16, WE17 & WE19 Updated WE17 and WE19 OOHW 	
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 DCP.
The ER is aware of one potential non-compliance and three complaints for DCP for the period. The non-compliance is under investigation for Ewart Lane road closure for adequate signage and communications. Complaints: All complaints are summarised is as follows: Dulwich Hill <ul style="list-style-type: none"> ▪ One related to noise and expected timeframe of works. ▪ One related to traffic, safety and access to property (Noted to have been entered twice). Punchbowl One related to noise and expected timeframe of works. <ul style="list-style-type: none"> ▪ One relating to traffic access There were no incidents for DCP reported to the ER under conditions A36 of SSI 8256.
Audit
No ER involvement in audit activity including Independent Environmental Audits (IEA Program).
Looking Forward – Core Focus Areas with discussion link back to look ahead above section
<ul style="list-style-type: none"> ▪ Continued implementation checks of CEMP, Sub-Plans and ESCP. ▪ Noise mitigation, traffic access and stakeholder consultation. ▪ Planning for upcoming possessions in December and January. ▪ Compliance tracking program reporting (Q3, 2021).

12. 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	<ul style="list-style-type: none"> ▪ Coordination over multiple sites re construction recommencement activity for some of the works sites not restricted by the health orders. 	
ER Inspections		
SM	<ul style="list-style-type: none"> ▪ Nil 	
Endorsed Document/s		
SM	<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. There were no non compliances or incidents raised against Sydney Metro for the period.		
Audits		
SM	<ul style="list-style-type: none"> ▪ Nil 	
Looking Forward – Core Focus Areas		
SM	<ul style="list-style-type: none"> ▪ Compliance review Q1 and Q2 2021 is to be prepared and provided to the ER for endorsement. 	

13. 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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