

Carolyn Riley
Director Environment, Sustainability and Planning
Sydney Metro
Transport for NSW
PO Box K659
HAYMARKET NSW 1240

17 May 2021
Ref: 170108-ER_SM-APR-21

Dear Carolyn

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for April 2021

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), MOD 5_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; and
- PROFESSIONAL SERVICES CONTRACT PSC No.00013/10897 Independent Environmental Representative City & Southwest between Transport for NSW and Healthy Buildings International Pty Ltd (HBI) (18 January 2017).

This report provides a summary of key assurance activities undertaken by HBI as ER for Sydney Metro – City and South West for the month of April 2021 (Attachment A) for the following work packages.

- Tunnel and Station Excavation (TSE)
- Central Station (CSMW)
- Sydenham Station and Junction (SSJ),
- Line Wide (LWW)
- Train Service Operation and Maintenance (TSOM)
- Integrated Station Developments (ISDs)
- Sydenham to Bankstown (S2B) works packages including Enabling Works (SMEW), Corridor Works (SMC), the early works for Marrickville, Campsie and Lakembla (MCL), Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW), and Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP)
- Relevant Sydney Metro Retained Obligations and Activity



HBI Healthy Buildings International Pty Ltd

Please refer to Attachment B for the Core Focus Area review conducted at the end of the reporting period. This summary highlights aspects of each work package that we believe require action to mitigate an actual or potential risk of non compliance with the Conditions of Approval. It is recommended that any items marked as OPEN in the Core Focus Area Review summary be reviewed by Sydney Metro and actioned as appropriate.

Yours sincerely

Jo Robertson
Project Director

Cc. SM: Ben Armstrong, Fil Cerone, Andrew Hendy, Chris Berg, Pam Tummers, Tim Solomon, Ann Paterson, Julia Diamond

ERs: Michael Woolley, Jo Heltborg, Peter Hatton, George Kollias, Brett McLennan, Swathi Gowda

IEA: Larry Weiss

Attachment A: Summary of key assurance activities

Contract Package		Environmental Representative/s
Tunnel and Station Excavation (TSE)		Michael Woolley
Key Construction Activities		
TSE	<p>Marrickville stabling yard:</p> <ul style="list-style-type: none"> ▪ Handover of many areas of the site to Line Wide Contractors early in the reporting period ▪ Ongoing backfilling of recently completed culverts ▪ Levelling of more areas to finished design levels ▪ Ongoing construction and completion of ERSED controls required for handover such as concrete bunds; gutters; landscaping (topsoiling) and seeding of batters ▪ Works completed to re-construct Edinburgh Road and gutter ▪ Use of water treatment plant bund for water storage. ▪ Preparation of site for handover such as cleaning of hardstand; removal of equipment etc. ▪ Final inspection by EPA to remove site from the TSE Contractors EPL premise maps conducted on 30 April. ▪ Site to be handed over to Line Wide Contractors in first week of May. <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ Water Treatment Plant (WTP) operating ▪ Ongoing FRP for slabs and walls, stair installation in the station box and sharks' fin ▪ Installation of "Super T" girders under Hickson Road ▪ Laydown areas for steel and equipment ▪ Foreshore re-establishment and landscaping works completed, handed over and in use by general public. 	
ER Inspections		
TSE	<p>There was one ER inspection carried out during the month. Issues identified during the inspection included:</p> <ul style="list-style-type: none"> ▪ Barangaroo: Some IBCs were stored without secondary containment near the workshop. ▪ Marrickville: Bunds along the southern boundary had low points where water may bypass these controls. <p>As the Marrickville site will be handed over in early May, there will be no further ER Inspections or involvement of the TSE ER at this site.</p>	
Meetings		
TSE	<p>The following project meetings were attended by the ERs: TSE – 27/04/21; 28/04/21</p>	
Endorsed Document/s		
TSE	<ul style="list-style-type: none"> ▪ Nil this reporting period 	
Compliance Tracking Program Reporting		
TSE	<ul style="list-style-type: none"> ▪ TSE CTR Q4 2020 review and finalise 	
Complaints / Incidents / Non-compliance		
TSE	<p>It is understood that Sydney Metro has been providing summaries of complaints to DPIE daily. Responses to each complaint have been noted in each complaint report provided to the ER, with follow up actions often defined in revised reports. The number of complaints has further reduced. There were no incidents reported by JHCPBG as defined by the project approval definition for incidents under condition A41. Further consideration of Condition E61 is ongoing for some TSE excavation sites.</p>	
Audits (specific to packages reported in this report)		
TSE	<p>The Audit Report for the Visual Amenity Management Plan was provided during the period.</p>	
Looking Forward – Core Focus Areas		
TSE	<ul style="list-style-type: none"> ▪ Nil. 	



Contract Package		Environmental Representative/s
Central Station		Michael Woolley
Key Construction Activities		
Central Station	<ul style="list-style-type: none"> ▪ Metro Box - Truck movements; spoil excavation; metro box ventilation using scrubbers. Ongoing excavation and construction activities. Steel fixing and concrete pours in lower sections for floor slab, walls and other items. Concrete blinding layer placed in the base of the excavation. Bulk excavation completed. ▪ Central Walk – Excavating for Central Walk, shotcreting, loading out of excavated materials. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Construction of guard’s buildings. Escalator in place and protected with plywood on Platform 16. Commencement of fitting final panels under Platform 16. ▪ Sydney Yard - Water Treatment Plant Operation; truck access; laydown. Stockpiling, processing and loadout of excavated material from other areas of site such as platforms and Eastern Entrance. ▪ Northern Concourse – Completion of the removal of the slab adjacent the CEB building. Completion of the removal of the existing wall under the CEB with new support beam in place. ▪ Eastern Entrance - Rock hammering ongoing sporadically for detailed excavation relating primarily to cable excavation. Tower crane operating. ▪ Devonshire Street Tunnel- In operation and used by commuters. ▪ CSR works Railway Parade – No activities observed at the surface. ▪ SYAB: Ongoing used of the bridge for access ▪ ESR Concourse - Temporary walkway installed and in use by pedestrians to allow for further works in the area. ▪ Ghost Platforms (above ESR Platforms 24-25) - Ongoing electrical and other fit out ▪ Eddy Ave Booster - No current work activities. Area of booster surrounded by ATF fencing 	
ER Inspections		
Central Station	<p>There were two ER inspections conducted in April 2021. The key issues raised at the inspections were:</p> <ul style="list-style-type: none"> ▪ A high sediment load was noted at the drain above the ramp to track 18. It is considered that ERSED controls in this area could be improved to treat run-off water prior to discharge off site. ▪ The bogey unloading spoil from the Eastern Entrance onto site operated the tailgate in a way that made a loud banging noise. LOR to investigate options to reduce noise from this source. ▪ An IBC was being stored over the drain to track 18 without secondary containment. On 8-4-21 photo sent by LOR indicating the IBC had been moved which closed the issue. ▪ A tonal alarm was observed on an EWP in the yard area. If this is used regularly on site a low frequency alarm should be used. 	
Meetings		
Central Station	<p>The following project meetings were attended by the ERs: Central Station – 07/04/21; 21/04/21</p>	
Endorsed Document/s		
Central Station	<ul style="list-style-type: none"> ▪ OOHW Application - Tower Crane Installation Eastern Entrance 	
Compliance Tracking Program Reporting		
Central Station	<ul style="list-style-type: none"> ▪ CTR Meeting with LOR ▪ Review of SPOIAG Meeting minutes and presentations. Review of notification issued 23-4-21 	
Non-compliance/ Incidents or Repeat Complaints		
Central Station	<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. Most of the complaints continue to be received from one complainant and related to noise from daytime and OOHs works.</p> <p>The following events were reported in April:</p> <ul style="list-style-type: none"> ▪ Discrepancy identified between the site pH results and a single sample result returned from the laboratory. This was reported in NCR 26 dated 9 April 2021. ▪ NCR Report 25 dated 9 April 2021: LOR reported that on 29/03/21, 183t of material was sent to the Eco Cycle Materials waste facility at Wetherill Park under ADE report WAC 162 (Platform 18/19-S spoil), not WAC 174 as initially thought at the time of haulage. The report stated the spoil met the GSW criteria outlined in the Waste Classification Guidelines, but not the additional criteria in the Eco 	

	Cycle Materials EPL. Further, LOR provided incident reports for events that occurred in March which were discussed in the March ER Monthly Report.
Audits	
Central Station	LOR reported that an ISO Certification audit and an internal company audit were conducted during the reporting period. No audit reports were sighted by the ER for these audits.
Looking Forward – Core Focus Areas	
Central Station	<ul style="list-style-type: none"> ▪ Management of Heritage Buildings (CEB Building) with works occurring in the immediate vicinity and installation of replacement beams under the structure ▪ Noise impacts to residents in Chalmers Street during excavations works at the Eastern Entrance and weekend possessions

Contract Package	Environmental Representative/s
Sydenham Station and Junction (SSJ)	Jo Heltborg

Key Construction Activities	
SSJ	<ul style="list-style-type: none"> ▪ Geotechnical Area: Sydney Trains signals building complete; internal fit-out ongoing. Package 150 CSR installation via underbore delayed until early May 2021. Construction of new retaining wall to follow. ▪ Burrows Ave: Station plaza/concourse works ongoing. Footpath restoration works on Burrows Ave. ▪ Bolton St / Hogan Ave: Footpath restoration works and paving on Bolton Street. Road restoration works scheduled on Hogan Ave. ▪ Sydenham Station, Platforms 1 & 2: Continuation of works to new station structures and construction of Metro Platforms 1 & 2. ▪ Sydenham Rd triangle area: Water main installation almost complete at Gate 12A. Final design for access point. Preparation for Sydenham Road widening. ▪ 11 Sydenham Rd (including Garden Street): Excavation and backfill for new track work, including laying of track slab. Construction of Metro services building continuing, including northern plaza works. Retaining Wall 1 works continued – to link to station platforms. ▪ Sydenham Pit and Pumping Station: Construction of Retaining Wall 4 continuing; capping beam complete to the pump station. ▪ Confluence Structure and Temporary Upstream Connection: Earthworks and infill ongoing. ▪ Way Street (South) Laydown: Materials storage. ▪ Way Street (North) Laydown: Stockpiling of spoil. ▪ XPT Laydown: Stockpiling of spoil; storage of vacuum truck slurry in skip bins. ▪ Bedwin Road: Piling for track slab. Road switch in place for pavement restoration works on Bedwin Road Bridge.

ER Inspections	
SSJ	<p>There were two inspections conducted by the ER in April 2021. The key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Erosion and sediment control management, particularly at 11 Sydenham Road, Gate 12A and work areas around Sydenham Pit. ▪ Concrete washout deposits were observed outside of designated areas. ▪ An action was raised during the last ER Inspection (#63.03) in relation to the incorrect setup for discharge of water from the sediment settling tanks. The discharge was still occurring from the bottom of the tanks at the time of this inspection, presenting a risk of sediment-laden water being discharged to stormwater from the bottom of the tanks. The JHLOR Environment Coordinator turned the pump off at the time of inspection. Due to the environmental risk associated with this activity, additional actions were raised and implemented including: <ul style="list-style-type: none"> ○ Communicate compliant discharge procedures to relevant contractors. ○ Provide a photo once the correct discharge setup has been implemented. ○ Provide copy of the Water Discharge Permit including water testing results. ○ Prepare and provide the ER with a copy of the procedure for correct use of the silt buster discharge equipment. ▪ The water levels of skip bins containing vac truck slurry at the XPT Centre had not been checked in the last week during rain events. Risk of overflow was raised (reflecting a previous incident) ▪ Waste management. ▪ Maintenance of shade cloth at site boundaries.

	<ul style="list-style-type: none"> Asbestos management
Meetings	
SSJ	The following project meetings were attended by the ERs: SSJ – 08/04/21; 22/04/21; 26/04/21
Endorsed Document/s	
SSJ	<ul style="list-style-type: none"> Nil this reporting period <p>Reviewed:</p> <ul style="list-style-type: none"> SSJ CSWMP Rev 13 - 6-monthly review SSJ CHMP Rev10 - 6-monthly review SSJ CEMP Rev14, Round 2 SSJ CNVMP Rev9, Round 2
Compliance Tracking Program Reporting	
SSJ	<ul style="list-style-type: none"> SSJ CTR Q1 2021. Review initial JHLOR spreadsheet and evaluate compliance with CoA. Include ER comments and request evidence. CTR Q1 2021 meeting 1 with project team CMR Sep20-Feb21 Rev01 - TB review SSJ CTR Q1 2021 Review additional evidence & JHLOR response to ER comments 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 SSJ.	
SSJ	<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>The ER is not aware of any complaints during April 2021 related to the SSJ works.</p>
Audits	
SSJ	<ul style="list-style-type: none"> Nil this reporting period
Looking Forward – Core Focus Areas	
SSJ	<ul style="list-style-type: none"> Management of ERSED controls generally, including stabilisation and tracking at the Garden Street and 11 Sydenham Road accesses Completion of station structures and noise and vibration impacts during OOHW and possessions Cumulative impacts at Bedwin Road and potential impacts to residents on Edgeware Road Implementation of the tree replacement strategy Completion of selected Conditions of Approval

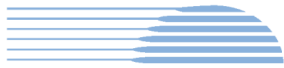
Contract Package		Environmental Representative/s
Line Wide (Tallawong to Bankstown)		Swathi Gowda (North) / George Kollias (South)
Key Construction Activities		
Line Wide	<p>SMTF (North)</p> <ul style="list-style-type: none"> Structural steel installation, electrical services and Fire Main installation works continuing in Maintenance Shed TSOM and electrical works continuing in DSER2 building Work Train testing completed at Test Track and being demobilised Base scope R24 testing underway Landscaping and clearing up activities continuing at Snake Mountain <p>Northern Hub (Incorporating Chatswood Dive Site, Northern Connection and Hopetoun Ave)</p> <ul style="list-style-type: none"> ULX repairs Intertrack trough excavation works Concrete deliveries at Hopetoun Aves Rail lifting and setting Sleeper deliveries Epoxy sides of sleepers Track slab pours and set-up works for concrete pours <p>Artarmon Traction Sub-station (TSS)</p> <ul style="list-style-type: none"> On-site Stormwater Detention (OSD) preparation works 	



	<ul style="list-style-type: none"> ▪ Concrete blinding pour for OSD ▪ Earthworks ▪ Geotech and survey works <p>St Leonards Storage Area Not being accessed or used by SC</p> <p>Blues Point Access Site</p> <ul style="list-style-type: none"> ▪ Limited deliveries ▪ Lifting activity to swap out concrete pump <p>Martin Place (Bligh St)</p> <ul style="list-style-type: none"> ▪ No work reported <p>Waterloo Station Box</p> <ul style="list-style-type: none"> ▪ No work reported <p>Surry Hills – Central Bulk Power Supply Works</p> <ul style="list-style-type: none"> ▪ Belmore St Joint Bay inspection and proving of conduits, prior to backfill and closure of excavation ▪ Compressor set-up at Bellevue St to assist conduit proving activity ▪ 56hr shutdown works undertaken on Foveaux St ▪ Commence works in Frog Hollow Reserve ▪ Unexpected heritage and contamination finds being managed ▪ Excavate and lay conduits, avoiding impacts with existing trees in the Frog Hollow Reserve <p>Southern Dive & SMTF South Marrickville</p> <ul style="list-style-type: none"> ▪ Gantry assisting with lifting in materials ▪ Hi-rail Excavators and Rail Consist assisting works in tunnels ▪ Lift and set rail in Up line ▪ Trackslab pours in Down tunnel ▪ Set-up of “Tugboat” Rail Consist in Up tunnel ▪ Housekeeping in both tunnels <p>SW Corridor Traction Substation sites</p> <ul style="list-style-type: none"> ▪ Operation of compound and laydown at Belmore Compound ▪ Establishment of site office/amenities and worksite at Campsie TSS ▪ Commence excavation at Campsie TSS ▪ Unexpected contamination find management at Campsie TSS <p>Canterbury to Campsie BPS</p> <ul style="list-style-type: none"> ▪ No work reported
ER Inspections	
Line Wide	<p>For SMTF North, the key issues observed/discussed were:</p> <ul style="list-style-type: none"> ▪ Generator bund partly covered by eave of Maintenance Shed building. Minimal water accumulated from recent rain. ▪ Plant observed to be operating in a proper and efficient manner, with no fumes or excessive noise that would impact on MTS Operations Staff. ▪ Some lay-down and storage observed along internal access road. Generally kept in a neat and tidy manner ▪ Some scour and sedimentation after rains. Mulch and sediments washed down embankments. Mulched batters requiring re-work in parts where mulch scoured off. ▪ Hazardous Substances storage and bunding actions required. IBC bund full of rainwater. Inspect/test and dewater bund according to SC procedures (if any) to prevent pollution. ▪ Provide bunding for IBCs of dust control polymer (green). ▪ Discussion undertaken regarding proposed removal of temporary sediment basin. Some water quality sampling undertaken to evidence quality of site run-off. Provide ER with a copy of the proposed close down procedure and process currently in preparation for MTS. ▪ Planting underway at Snake Mountain and landscaping completed in expansion area. ▪ Planting in area immediately north of the temporary sediment basin has blocked easy access for long term deposition of large woody debris. ▪ Weed control required adjacent to southern side of the maintenance shed. <p>For Northern Hub (Incorporating Chatswood Dive Site, Northern Connection and Hopetoun Ave), Blues Point Access Site, Artarmon TSS, and St Leonards Storage Area the key issues observed/discussed were:</p>



	<p><u>Artarmon TSS site</u></p> <ul style="list-style-type: none"> ▪ Controls in place for concrete washout for Blinding Pour for Artarmon TSS site OSD. ▪ Geofabric placed on ground at internal access of Artarmon site to prevent truck tyres picking up mud and causing dirt-tracking. <p><u>Northern Hub</u></p> <ul style="list-style-type: none"> ▪ Water treatment plant (WTP) filter cakes accumulating in storage area. Ongoing monitoring required ensuring that the storage area is not overfilled. ▪ Sediment overflow water managed and pumped to WTP prior to discharge from site. ▪ Spills observed around IBC of Curing Compound, including under shallow skip bin recently placed under tap at the Northern Dive. Continue to monitor and undertake periodic clean-up of this location. ▪ Spoil stockpiling observed above Northern Dive portal and new access ramp cut without controls in place. Whilst agreed that the run-off would eventually be captured by the WTP, implement a series of erosion, stockpile management and sedimentation controls as per SC's Soil, Water and Groundwater Management Sub-Plan. Review aspects in current revision of PESCP that is being drafted. ▪ Potential "live" drain in middle of Northern Connection site. Review of controls required around the pit in current revision of PESCP that is being drafted. ▪ Minor graffiti observed on Brand Street side of Valetta Lane hoarding – to be removed or shade cloth replaced. <p><u>Blues Point Access Site</u></p> <ul style="list-style-type: none"> ▪ Bund half filled with rainwater. Inspect/test and dewater bund according to SC procedures (if any) to prevent pollution and consider providing a cover to prevent rain ingress. ▪ Remove jerry cans where stored on top of fuel cell. <p>For Civil and Track Work Areas (South) the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Ongoing establishment of Campsie TSS site. Discuss various environmental and community aspects sediment controls, unexpected finds, dust control, truck idling and exit controls ▪ Tree Protection Zone fencing in place around all trees onsite at Campsie TSS site. Check extent of fencing where tree overhanging, to prevent damage and protect more of the root zone ▪ Implement stockpile management controls including covering and silt socks around the base ▪ Discuss maintenance of sediment controls around stormwater pits in Sydney Steel Road. SC to coordinate with TSE regarding responsibilities for tracked sandstone and maintenance of controls ▪ Stormwater inlet at Southern Dive site requires filter/sediment controls placed around it ▪ Concrete washout skips available adjacent should trucks need to washout at Southern Dive ▪ Food and drink litter in spill kit where adjacent main walkway at Marrickville (Southern Dive) Compound. Cleaned-out during ER Inspection ▪ Surface run-off and sediments accumulated along boundary behind Site Offices at Marrickville (Southern Dive) Compound. Sediment controls to be fixed-up around a pit (unknown type) where incomplete <p>For Bulk Power Supply Work Areas (South) the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Sediment controls in gutters around worksite in Belmore St, Surry Hills ▪ No Project signage at most visible site frontage facing Foveaux or anywhere around Bellevue St work site. Place Project Signage at most visible street frontages (as a minimum) of both worksites ▪ Excavate and lay conduits, avoiding impacts with existing trees in the Reserve including Bobby Goldsmith Foundation Memorial Tree
Meetings	
Line Wide	The following project meetings were attended by the ERs: Line Wide – 07/04/21; 21/04/21



Endorsed Document/s	
Line Wide	<ul style="list-style-type: none"> ▪ OOH-095 Victoria Cross Relocation of temporary services within cavern structure ▪ OOH-089 SMTF North Maintenance Building Structural Steel Nightworks ▪ OOHW 095 Victoria Cross - Relocate temporary services in cavern ▪ OOHW 094 SMTF (North) WE Possession 44 01-02 May 2021 ▪ Consistency Assessment Northern Connection - Hopetoun Ave Concrete Delivery Staging Area ▪ Request for Minor Amendment to SMTF CEMP Rev 04 Sections 6.2 and Element 12.3 ▪ Request for Minor Amendment to C2B CWRSMP Rev01 Sections 2.3, 6.6.3, 6.7 and Element 4 ▪ OOH-082 Surry Hills BPS Randle Lane Nightworks April - May 21 ▪ OOH-068 Surry Hills BPS Foveaux 56Hr Weekend Shutdowns Rev3 ▪ TfNSW 33 - Consistency Assessment - BPS Routes to Artarmon and Waterloo SS Version 1.7
Compliance Tracking Program Reporting	
Line Wide	<ul style="list-style-type: none"> ▪ Q1 2021 CTR - Preliminary ER review
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>	
Line Wide	<p>No non-compliances were reported to the ER during the reporting period.</p> <p><u>LW North:</u> Complaint: Northern Hub – Complaint from Hopetoun Ave resident regarding noise and driveway impacts from concrete pouring work. SC investigated and truck driver was waiting to move and access was restored. Complainant was advised by SC that trucks will move on request, so driveway access is maintained at all times and methods were being investigated to further reduce truck idling time to minimise any time impacting driveways. Offer extended to conduct noise monitoring.</p> <p><u>LW South:</u></p> <ul style="list-style-type: none"> ▪ Complaints: Surry Hills – Complaint from Pizza Shop regarding construction waste in their bins. ▪ Contamination Unexpected Find: <ul style="list-style-type: none"> ○ Campsie TSS – Asbestos contamination excavated from site and stockpiled. Stockpile covered, signed and flagged. ○ Frog Hollow Reserve – Asbestos find in excavation. SC advised removed. Clearance by Hygienist ▪ Heritage Unexpected Find: <ul style="list-style-type: none"> ○ Frog Hollow Reserve - Some finds of potential Local Significance identified during excavation in Frog Hollow Reserve. SC advised that Heritage Consultant were onsite during excavation activities to supervise. <p>There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.</p>
Audits	
Line Wide	<ul style="list-style-type: none"> ▪ Nil this reporting period
Looking Forward – Core Focus Areas	
Line Wide	<ul style="list-style-type: none"> ▪ Responsibilities on Sydney Steel Road where TSE (have been hauling sandstone) and interface with Linewide Contractors access/egress ▪ Final shaping and landscaping of Snake Mountain at SMTF North. ▪ Proposed decommissioning plan for temporary Sediment Basin at SMTF North. ▪ Noise and vibration from intertrack piling works – Northern Connection ▪ TSOM contractor remaining on site at SMTF North following demobilisation of Systems Connect (PC for the Project).



Contract Packages		Environmental Representative/s
TSOM (Train Service Operation and Maintenance)		Swathi Gowda/ George Kollias
Key Construction Activities		
TSOM – SMTF(N)	<ul style="list-style-type: none"> ▪ Punch List of works for Trackside Communication equipment near completion on Roads 24-29 ▪ Cable pulling between Roads 24-29 ▪ Internal fit-out of DSER2 room complete. Testing of fibres and cables to new cabinets and racks, continuing. Possession Work: <ul style="list-style-type: none"> ▪ WE41 (April 10-11) – SMTF-North scope included: <ul style="list-style-type: none"> ○ Trackside equipment installation on Roads 27 – 30 ○ Cable Pull on Roads 27-30 	
Degnan OCC Works	<ul style="list-style-type: none"> ▪ Punch List of works continuing ▪ Alstom - CER 2 works on cable terminations, with installation of final 3 cabinets continuing ▪ Schnieder - CER 2 works continue with termination of cables 	
ER Inspections		
TSOM	<ul style="list-style-type: none"> ▪ No ER inspections conducted in April 2021 	
Meetings		
TSOM	The following project meetings were attended by the ERs: TSOM – 19/04/21	
Endorsed Document/s		
TSOM	<ul style="list-style-type: none"> ▪ Nil this reporting period 	
Compliance Tracking Program Reporting		
TSOM	<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.		
TSOM	The ER is not aware of any complaints or NCRs. There were no incidents for TSOM reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.	
Audits		
TSOM	No audits proposed	
Looking Forward – Core Focus Areas		
TSOM	<ul style="list-style-type: none"> ▪ Nil this reporting period 	



Contract Package	Environmental Representative/s
Martin Place ISD Macquarie Bank/Lend Lease	Rui Henriques/ Michael Woolley
Victoria Cross ISD (VC-ISD) - Lend Lease	Rui Henriques/ Michael Woolley
Crows Nest ISD – Sydney Metro	George Kollias
Waterloo ISD – John Holland	George Kollias
Pitt Street ISD - CPB	Rui Henriques/ Michael Woolley
Key Construction Activities	
MP-ISD	<p>Bligh Street:</p> <ul style="list-style-type: none"> ▪ Deliveries ongoing; use of concrete pumps inside acoustic treated area with ducting of air to outside the shed. Water Treatment Plant operation <p>Martin Place South (MPS)</p> <ul style="list-style-type: none"> ▪ Ongoing waterproof lining activities; ▪ Ongoing excavation of the pedestrian tunnel with a canopy built around the excavation area with scrubber units to extract and treat air from the working face. Excavation by roadheader. Installation of steel sets to better support the roof of the tunnel. ▪ Construction of walls; columns and floor slabs. ▪ Jump form use. ▪ Loading of spoil for transport offsite ▪ Collecting water in a sump and pumping it to the MPN site; and ▪ Other general construction activities. <p>Martin Place North (MPN)</p> <ul style="list-style-type: none"> ▪ Various work activities in the base of the excavation such as FRP for columns; lift shafts; walls; floor slabs and other various items; jump form use. Various construction activities. ▪ FRP over bulk concrete pour in cavern between MPN and MPS essentially completed; and ▪ Installation of ventilation system in cavern <p>Station Caverns and Adits</p> <ul style="list-style-type: none"> ▪ Installation of ventilation system; tunnel lining, utilities and other activities.
VC-ISD	<p>Victoria Cross North</p> <ul style="list-style-type: none"> ▪ Site establishment activities including site shed fit out and deliveries ▪ Ongoing Water proofing of shaft walls ▪ Water management with water being pumped to the shaft and to Line Wide pipes leading to Chatswood ▪ FRP works for building core ▪ Installation of replacement Alimak lift <p>Victoria Cross South</p> <ul style="list-style-type: none"> ▪ Footpath works on footpath on Miller Street hence closed for foot traffic during some daytime periods ▪ Detailed excavation and construction of foundations along 65 Berry Street for building core (1/3 of wall length at a time to maintain wall stability) ▪ Stockpiling and removal of waste concrete and spoil on the concrete hardstand ▪ Stabilisation and support works of excavation face and wall along Miller street footpath. Construction of scaffolding for retention works ▪ Monitoring of wall movement ▪ Storage compound and sheds on Miller Street behind ATF fencing and at corner with Berry Street <p>Station Cavern</p> <ul style="list-style-type: none"> ▪ Installation of ventilation ducting and sound attenuation mats on roof of cavern ▪ FRP works on platforms in south and north ▪ Installation of pre-cast platform units ▪ Laydown area on cavern floor
CN-ISD	<ul style="list-style-type: none"> ▪ Site Establishment activities - Site C Amenities ▪ Detailed excavation almost complete ▪ Load-out of spoil and delivery of materials via Logistics Lane ▪ Waterproofing activities ▪ In-ground services install ▪ Steel fixing and formwork preparation ▪ Concrete pour – 1st ground slab



PS-ISD	<p>Pitt Street South</p> <ul style="list-style-type: none"> ▪ Excavation for services and footings; ▪ Concrete deliveries and pumping. ▪ Concrete pours for footings and core of the building etc, with jump form structure up. ▪ Water management and operation of water treatment plant (WTP) as required. ▪ Waterproofing works. <p>Adits and Platform Caverns</p> <ul style="list-style-type: none"> ▪ FRP works in station cavern such as platform construction <p>Pitt Street North</p> <ul style="list-style-type: none"> ▪ Shotcrete concrete pump operation. ▪ Shotcrete application to shaft walls. ▪ Shed Installation at Castlereagh St ▪ Excavation for services and footings with spoil stockpiled in the south east corner of the shaft; ▪ Concrete deliveries and pumping at Castlereagh and Pitt Streets. ▪ Excavation for services and footings; ▪ Waterproofing works. ▪ FRP works in footings and building core with jump form structure nearing completion. ▪ Scaffolding installation. ▪ Water management and operation of water treatment plant (WTP) as required.
WL-ISD	<ul style="list-style-type: none"> ▪ General services install ▪ Steel fixing and formwork of perimeter walls and headwall ▪ Pours for wall pours ▪ Jump forms progressed for core walls ▪ Precast Platform Segments delivered and landed in middle of site ▪ Waterproofing work on north headwall ▪ Cranage of materials via multiple cranes including crawler crane, tower cranes and tracked cranes in box
ER Inspections	
MP-ISD	<p>There was one inspection conducted by the ER in April 2021. There were no issues raised during the inspection.</p>
VC-ISD	<p>There were two inspection conducted by the ER during April 2021. Issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ VCN: The area of the concrete pump was not contained. ▪ VCN: Water had accumulated in the drain at McLaren Street. ▪ VCN: Three plant items were not fitted with a non tonal reversing alarm.
CN-ISD	<p>There were two inspections conducted by the ER during April 2021. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ Dust control measures onsite and implemented as required, including hoses to saw-cutting attachment and guernseys for water spraying. No dust observed during inspection ▪ Ongoing management of process water and run-off within trenches and sumps at each end of site ▪ Tonal alarm (very low volume) noted on large Cherry-picker EWP. Remove/replace for a non-tonal alarm ▪ Logistics Lane and Pacific Highway clean of dirt and any mud-tracking ▪ Community Day held with mostly residents from apartment block to the north that overlook site ▪ Some of the last bulk load-out of spoil to occur and clean-up ▪ Concrete waste management activities will be the focus of much of the works going forward ▪ Minor housekeeping item observed with plastic litter and off-cuts in trenches
PS-ISD	<p>There were two inspections conducted by the ER in April 2021. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ CPB described the records being taken and kept in relation to discharged water and it was identified that these could be better documented. It was agreed that CPB would better record data on water discharged including pumping times; volume estimates; and key water quality parameters measured e.g., pH and NTU ▪ PS South cavern: At the water treatment plant, rubbish was noted within the Spill kit bins. ▪ PS North: Fuel container and other containers under plastic/membrane appeared to be stored without bunding.



	<ul style="list-style-type: none"> PSN: Evidence of some concrete wash-out at Castlereagh St concrete unloading and pumping area.
WL-ISD	<p>There were two inspections conducted by the ER in April 2021. The key points raised at these inspections were:</p> <ul style="list-style-type: none"> Run-off from site visible over footpath and into stormwater network. JHG continuing to pump water from station box and surface sumps to Turkeys Nest, resulting in overflow and spill to sediment controls (as per Overflow Controls in ESCP). Sediment controls not entirely contiguous, some gaps closed by ER at time of inspection and others remaining in boundary controls. JHG reported that discharges were consistent with Discharge Impact Assessment. Fix sediment controls, ensure no gaps. Provide Discharge Impact Assessment and latest ESCP to ER. OOH delivery of steel reinforcing cage pre-constructed off-site. Truck and trailer parked in Wellington St from 3:30am. JHG report truck turned off and noise monitoring undertaken Tonal alarm on scissor lift. Replace for non-tonal alarm Ongoing use of weight restricted road as previously observed during past ER Inspections. JHG to raise Non-compliance Report to detail corrective and preventative actions. Ensure compliant storage on hazardous substances bunds for all packaged dangerous goods Precast segments delivery and placement allow works to proceed quickly, instead of form and pouring in situ. Reduces need for concrete waste management
Meetings	
MP-ISD	The following project meetings were attended by the ERs: MP ISD – 09/04/21; 26/04/21
VC-ISD	The following project meetings were attended by the ERs: VC ISD – 12/04/21; 14/04/21; 15/04/21; 19/04/21; 26/04/21
CN-ISD	The following project meetings were attended by the ERs: CN ISD – 12/04/21; 14/04/21; 22/04/21; 26/04/21; 28/04/21
BS-ISD	The following project meetings were attended by the ERs: BS ISD – Nil
PS-ISD	The following project meetings were attended by the ERs: PS ISD – 06/04/21; 12/04/21; 20/04/21; 26/04/21; 28/04/21
WL-ISD	The following project meetings were attended by the ERs: WL ISD – 08/04/21; 12/04/21; 22/04/21; 23/04/21
Endorsed Document/s	
MP-ISD	<ul style="list-style-type: none"> OOH81 Adit Hammering OOH81 Adit Hammering Rev 2 new dates
VC-ISD	<ul style="list-style-type: none"> OOH 10 Site Accommodation and TC Works EHS Plan Rev 5
CN-ISD	<ul style="list-style-type: none"> PA-4302_CN_Tower Crane Noise Verification report OOH-009 Concrete Pours Rev 3 <p><u>Reviewed:</u></p> <ul style="list-style-type: none"> OOH-009 Out-of-hours work application Concrete Pours OOH-009 Out-of-hours work application Concrete Pours Rev 1 OOH-009 Out-of-hours work application Concrete Pours Rev 2 OOH-009 Out-of-hours work application Concrete Pours Rev 3 Construction Heritage Management Plan Rev D
BS-ISD	<ul style="list-style-type: none"> Nil this reporting period
PS-ISD	<ul style="list-style-type: none"> OOH21 May OOHs
WL-ISD	<ul style="list-style-type: none"> OOHWA #13 April OOH Work Rev E OOHWA #14 May OOH Work Rev B <p><u>Reviewed:</u></p> <ul style="list-style-type: none"> Groundwater Management Plan Rev0.1 Heritage Management Plan_Rev 0.1 Visual Amenity Management Plan Rev 0.1 Spoil Management Sub Plan Rev 0.1 Construction Noise and Vibration Management Plan



	<ul style="list-style-type: none"> OOHWA #13 April OOH Work Rev D
Compliance Tracking Program Reporting	
MP-ISD	<ul style="list-style-type: none"> Nil this reporting period
VC-ISD	<ul style="list-style-type: none"> Review of revised CTR spreadsheet and documents.
CN-ISD	<ul style="list-style-type: none"> Nil this reporting period
BS-ISD	<ul style="list-style-type: none"> Nil this reporting period
PS-ISD	<ul style="list-style-type: none"> Nil this reporting period
WL-ISD	<ul style="list-style-type: none"> CTR Meeting / Evidence review
Complaints / Incidents / Non-compliance	
ALL	<p>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 that the ERs are aware of as documented below.</p>
MP-ISD	<p>There were no incidents or non compliances reported to the ER or raised by the ER during April. No complaints were reported that related to the MP-ISD site.</p>
VC-ISD	<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. Complaints related to light spill; footpath damage on Berry Street; OOHs noise</p> <p>The following non compliances were reported:</p> <ul style="list-style-type: none"> Completing out of hours works outside of an approved out of hours permit where a truck departed the North site before 5am – this is considered a Non Compliance with Condition A8.
CN-ISD	<p>No non compliances were reported to the ER during the reporting period. One incident reported:</p> <ul style="list-style-type: none"> 16/03/21, reported 04/04/21 – 20T excavator leaking oil and Hammer attachment to excavator leaking hydraulic fluid <p>A number of complaints were reported including:</p> <ul style="list-style-type: none"> Traffic/Noise complaints – Trucks standing and idling outside Complainants retail store on Pacific Hwy Noise – Express dissatisfaction with humming noise coming from site all day. Team investigation if noise is related to water pump on site Complaint Access – Stakeholder reported a sign has been installed in front of his shop obstructing the footpath and shopfront Noise enquiry – Tower Crane noise query from resident Nicholson St
PS-ISD	<p>Complaints/events reported during April comprised:</p> <ul style="list-style-type: none"> Noise complaint at 8:02am on 29-4-21 relating to early start to high noise work (7:25am) prior to permitted start time for higher noise work activities from 8am weekdays. Stakeholder also noted diesel fumes and loud workers. This work was completed in a respite period and is considered a non compliance with Condition A8.
WL-ISD	<p>Incidents / Non-compliance reported by JH:</p> <ul style="list-style-type: none"> Ongoing use of weight restricted road as previously observed during ER Inspections. NCR raised by JHG. Driver of the vehicle did not follow the traffic route provided by the project for accessing the site for delivery of equipment Turkeys Nest over flow. NCR raised by JHG. Although overflow was being managed in accordance with the projects Progressive Erosion & Sediment Control Plan (PESCP), the projects Soil & Water Management Procedure does not identify an overflow strategy or make reference to the local 5 day ARI <p>Complaints received:</p> <ul style="list-style-type: none"> 1/04/21 Light Spill - Botany Street resident advised flood lights are shining into his apartment at night and he is having trouble sleeping 06/04/21 Safety - Resident on Phillip Street reported that the red alert light on the northern tower crane was not on over Sunday and Monday nights 11/04/21 Noise - Resident on Wellington Street complained that the OOH delivery on Thursday 8 April work her up at 3am. The resident requested compensation in the form of shutters and rent reimbursement
Audits (specific to packages reported in this report)	
ISDs	Nil
Looking Forward – Core Focus Areas	
MP-ISD	<ul style="list-style-type: none"> Noise and Vibration from excavation of the Pedestrian Tunnel beneath 50 Martin Place.



VC-ISD	<ul style="list-style-type: none"> Rectification works and monitoring at the south shaft.
CN-ISD	<ul style="list-style-type: none"> Commencement of OOH Works
PS-ISD	<ul style="list-style-type: none"> Noise and vibration from jackhammering on the northern side of the site adjacent Castlereagh Street.
WL-ISD	<ul style="list-style-type: none"> Medium and heavy vehicles using 3T weight restricted road adjacent site OOH Proposals with up to 7 nights a week of works

Contract Package		Environmental Representative/s
Sydenham to Bankstown Sydney Metro Early Works (SMEW)		Jo Heltborg
Key Construction Activities		
SMEW	No activity this reporting period or proposed for the future under this work package. All LOR works are now being completed via the Corridor works package (SMC). Accordingly the SMEW will no longer be reporting in the Monthly reports to DPIE.	
ER Inspections		
SMEW	Nil ER Site Inspection this reporting period.	
Meetings		
SMEW	The following project meetings were attended by the ERs: SMEW – 26/04/21; 29/04/21	
Endorsed Document/s		
SMEW	<ul style="list-style-type: none"> CSWMP Rev 10, updated to cease the WQ monitoring programme 	
Compliance Tracking Program Reporting		
SMEW	<ul style="list-style-type: none"> SMEW CTR Q1 2021 - Review initial JHLOR spreadsheet and evaluate compliance with CoA. Include ER comments and request evidence. SMEW - CTR Q1 2021 - discussion of compliance with JHLOR Understand condition completion process SMEW CTR Q1 2021 Review additional evidence & JHLOR response to ER comments 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 SMEW.		
SMEW	The ER is not aware of any non-compliances, incidents or complaints for SMEW for the period. There were no incidents for SMEW reported to the ER under condition A36 of SSI 8256.	
Audits		
SMEW	No audits were conducted during the reporting period.	
Looking Forward – Core Focus Areas		
SMEW	<ul style="list-style-type: none"> Q1 2021 CTR – completion Monitoring of former SMEW sites included in the SMC scope. 	

Contract Package		Environmental Representative/s
Sydenham to Bankstown Sydney Metro Corridor (SMC)		Jo Heltborg
Key Construction and Low Impact Works Activities		
SMC	<ul style="list-style-type: none"> Canterbury Compound: Tree removal and pruning. Archaeological investigation/test pitting. Archaeological monitoring during ramp construction and service installation. Canterbury Station: Sydney Trains service relocation works, including archaeological monitoring outside the former JHLOR Charles St Compound / future Metro Services Building (MSB). Lakemba Station: Sydney Trains service relocation works, cable pulling. Lakemba Station: Retaining Wall 21 (RW21) works are scheduled to commence during the WE48 possession. A site access and turn-around area was being prepared for use of the piling rig and tree clearing plant. Ecologist conducting pre-clearance inspections; Tree Report preparation and Arborist inspections. Wiley Park Station: Sydney Trains service relocation works along Urunga Parade, conduit installation and cable pulling. Punchbowl Station: Sydney Trains service relocation works. Pedestrian diversion across the footpath/ 	

	<p>station stair access involving under bridge closure.</p> <ul style="list-style-type: none"> ▪ Punchbowl Laydown Area (city side of Rickard St to Wiley Park station): Stockpiles covered, classified and awaiting offsite disposal. ▪ Broughton Street Laydown: Laydown to continue to be utilised during SMC scope.
ER Inspections	
SMC	<p>There were two inspections conducted by the ER in April 2021. Issues identified during these inspections included:</p> <ul style="list-style-type: none"> ▪ Lack of sufficient ERSED controls along the stormwater culvert adjacent to a new access being established for RW21 works at Lakemba.
Meetings	
SMC	<p>The following project meetings were attended by the ERs: SMEW – 06/04/21; 20/04/21</p>
Endorsed Document/s	
SMC	<ul style="list-style-type: none"> ▪ SMC Utility Management Strategy Rev 01 <p><u>Reviewed:</u></p> <ul style="list-style-type: none"> ▪ SMCSWSSJ-JHL-WEC-EM-REP-000015 - Tree Impact Assessment Report Rev00 ▪ SMCSWSSJ-JHL-WEC-EM-REP-000015 - Tree Impact Assessment Report Rev01
Compliance Tracking Program Reporting	
SMC	<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 SMC.</p>	
SMC	<p>The ER is not aware of any non compliances for SMC for the period. There were no incidents for SMC reported to the ER under conditions A36 of SSI 8256. The ER is not aware of any complaints during April 2021 related to the SMC works.</p>
Audits	
SMC	<p>No ER involvement in audit activity including Independent Environmental Audits..</p>
Looking Forward – Core Focus Areas	
SMC	<ul style="list-style-type: none"> ▪ Establishment of the Canterbury Compound in accordance with conditions of approval and mitigation measures in the CEMP and Sub-plans, particularly the CHMP in relation to potential archaeological impacts and the CNVMP given the site’s close proximity to sensitive receivers.

Contract Package	Environmental Representative/s
Sydenham to Bankstown Marrickville, Canterbury & Lakemba Station Upgrades (MCL)	Brett McLennan
Key Construction / Low Impact Works Activities	
MCL	<ul style="list-style-type: none"> ▪ Marrickville: Vegetation had been removed and the site compound established in the ARTC triangle. Investigation works of the CSR were noted been undertaken on Platform 0; CSR works were being carried out at the city end between the ARTC Line 0-and Sydney Trains Line 1; Site compound was established in the ARTC triangle; Asbestos clearance was being undertaken in the cleared area adjacent to Victoria Road and the site compound. ▪ Canterbury: Redundant gas pipeline was noted to be removed in the MSB; Charles Street compound was established; Platform 0 had been delineated from Platform 1. Works included manual excavation to remove ACM on Platform 0, CSR and delineation of spoil from the ARTC cess; Spoil in bulka bags had been moved from Platform 0 to the MSB area. It was noted waste classification was ongoing prior to disposal to an approved facility. ▪ Lakemba: Works at the Railway Street access gate had been undertaken, with additional DGB added to the access gate and within the cess; Car parks along Railway Parade were delineated and stump grinding works completed along Railway Parade, with mulch added to the Railway Parade embankment; ESCs were installed along the Railway Parade; Additional ballast had been added to the cess access track. ▪ Belmore Compound: Site appeared tidy and no construction works were observed.
ER Inspections	



MCL	<p>There were three inspections conducted by the ER during April 2021. The key issues raised at these inspections were:</p> <p>Marrickville:</p> <ul style="list-style-type: none"> ▪ Portable toilets required placement as per the CEMP, so the risk of contaminated water entering surrounding waterways is minimised. ▪ HSEJV to supply clearance certificates for asbestos fragments found between the two rail corridors. ▪ HSEJV agreed to follow up on the heritage requirements with their heritage specialist if investigation works could be undertaken under the unexpected finds protocol and inform the ER. ▪ HSEJV agreed that the graffiti would be removed from access gate sign. ▪ HSEJV agreed to review the refiling protection measures at the compound generator to prevent spillage onto the ground. ▪ HSEJV agreed to secure stockpile covers adjacent to the ATRC line. <p>Canterbury:</p> <ul style="list-style-type: none"> ▪ HSEJV to provide all relevant heritage clearance reports to the ER. ▪ Investigations unearthed previous station footings. HSEJV to provide the heritage report on previous station footings to the ER. ▪ Minor mud spatter was noted on the heritage façade. HSEJV to clean façade. ▪ HSEJV to use bunded storage tray for fuel transfer. ▪ HSEJV to confirm with the heritage consultant if excavation works could be undertaken under the unexpected finds protocol and inform the ER. ▪ HSEJV agreed to investigate options to protect heritage items as required by REMM NAH15. ▪ HSEJV agreed to confirm approval for storage of items and the protection of the rooms in accordance with REMM NAH15. <p>Lakemba:</p> <ul style="list-style-type: none"> ▪ Additional controls required to manage sediment laden water was noted exiting the site through the stabilised entrance. SM had reported the water exiting the site to Sydney Trains, who are the holder of the EPL. ▪ Reinstatement and maintenance of sediment fences and other ERSED controls to occur at a number of locations in and adjacent to the corridor. ▪ HSEJV agreed that upon completion of works within the rail corridor, site photos of all ESC measures at egress areas be provided to SM and the ER. ▪ HSEJV agreed to investigate options for the use of polymer to stabilise the embankment. ▪ HSEJV agreed to place ESC along railway parade prior to the weekend rain event.
Meetings	
MCL	<p>The following project meetings were attended by the ERs: MCL – 01/04/21; 07/04/21; 09/04/21; 12/04/21; 14/04/21; 15/04/21; 16/04/21; 19/04/21; 22/04/21; 26/04/21</p>
Endorsed Document/s	
MCL	<ul style="list-style-type: none"> ▪ OOHW Wk 42 – Midweek possession ▪ OOHW Wk 41 & WK43 – Canterbury Road ▪ OOHW – Cable Spiking
Compliance Tracking Program Reporting	
MCL	<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 MCL.</p>	
MCL	<p>The ER is aware of one non compliance and two complaints relating to MCL works for the period.</p> <p>Non-Compliances:</p> <ul style="list-style-type: none"> ▪ Trees were removed at the Marrickville ARTC triangle without final tree report issued or notification to DPIE (NCR of CoA E5). <p>Complaints:</p> <ul style="list-style-type: none"> Canterbury ▪ One complaint of mud tracked onto Charles Street. It was noted that street sweeper had been pre-



	<p>arranged prior to the complaint. Belmore Compound</p> <ul style="list-style-type: none"> One complaint concerning local parking spots being used by worker vehicles adjacent to Belmore compound. <p>There were no incidents for MCL reported to the ER under conditions A36 of SSI 8256.</p>
Audits	
MCL	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).
Looking Forward – Core Focus Areas	
MCL	<ul style="list-style-type: none"> Out of hours works approvals during possessions Review of updated CEMP and Sub-Plans Heritage and ERSED. Internal and external audits of HSEJV.
Contract Package	
Sydenham to Bankstown Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW)	Environmental Representative/s Brett McLennan
Key Construction / Low Impact Works Activities	
HBW	<ul style="list-style-type: none"> Construction phase commenced. Hurlstone Park: ESC was installed, and the ancillary crib established. Works had ceased pending asbestos investigations. Belmore: MSB- ESC was installed and excavations for the MSB had commenced, with spoil noted to be removed from site. Tobruk Ave – ESC was installed, and ancillary facilities were in process of being established. Wiley Park: The Boulevard compound – The site compound had been established and ESC installed. Hoarding had been installed on the station platforms in preparation for excavations. MSB – Trees and vegetation had been cleared and ESC installed.
ER Inspections	
HBW	There was one inspection conducted by the ER during April 2021. No key issue is being raised at this inspection.
Meetings	
HBW	The following project meetings were attended by the ERs: HBW – 13/04/21; 20/04/21; 21/04/21; 26/04/21; 30/04/21
Endorsed Document/s	
HBW	<ul style="list-style-type: none"> VAMP Ancillary facility – Hurlstone Park (Crib shed and amenities). OOHW Wk42 and Wk43
Compliance Tracking Program Reporting	
HBW	<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 HBW.	
HBW	<p>The ER is not aware of any non-compliance; however there were one complaint for HBW for the period. Belmore Compound</p> <ul style="list-style-type: none"> One complaint concerning local parking spots being used by worker vehicles adjacent to Belmore compound. <p>There were no incidents for HBW reported to the ER under conditions A36 of SSI 8256.</p>
Audits	
HBW	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).
Looking Forward – Core Focus Areas	
HBW	<ul style="list-style-type: none"> Out of hours works approvals. Review of updated CEMP and Sub-Plans Tree removals



Contract Package		Environmental Representative/s
Sydenham to Bankstown Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP)		Brett McLennan
Key Construction / Low Impact Works Activities		
DCP	<ul style="list-style-type: none"> ▪ Construction phase commenced. ▪ Dulwich Hill: The compound was established (WE38) and hoarding installed. The city end of the platform had hoarding installed in preparation for lift shaft excavations. ▪ Campsie: Hoarding was installed and demolition of the rail corridor structures in the MSB area had commenced. ▪ Punchbowl: The site compound was established and hoarding installed between the works and public areas. Hoarding was installed on the station platform in preparation for lift shaft excavations. 	
ER Inspections		
DCP	<p>There was one inspection conducted by the ER during April 2021. The key issues raised at these inspections were:</p> <p>Punchbowl:</p> <ul style="list-style-type: none"> ▪ Compound: Downer agreed to install tree protection within the Punchbowl compound. <p>All Sites:</p> <ul style="list-style-type: none"> ▪ Site egress points: Downer agreed to install approved signage to site gates. 	
Meetings		
DCP	The following project meetings were attended by the ERs: DCP – 01/04/21; 12/04/21; 16/04/21; 19/04/21	
Endorsed Document/s		
DCP	<ul style="list-style-type: none"> ▪ VAMP ▪ OOHW Wk42 and Wk43. 	
Compliance Tracking Program Reporting		
DCP	<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 DCP.		
DCP	<p>The ER is not aware of any non-compliance; however there were one complaint for DCP for the period.</p> <p>Dulwich Hill Station</p> <ul style="list-style-type: none"> ▪ Noise complaint relating to notified out-of-hours work from the night of 19 April. Complainant was not identified to be eligible for alternative accommodation during the OOHW assessment. <p>Campsie Station</p> <ul style="list-style-type: none"> ▪ General complaint about volume of work in the area over a long period and the lack of commuter parking spaces near station. <p>There were no incidents for DCP reported to the ER under conditions A36 of SSI 8256.</p>	
Audit		
DCP	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).	
Looking Forward – Core Focus Areas		
DCP	<ul style="list-style-type: none"> ▪ Out of hours works approvals. ▪ Review of updated CEMP and Sub Plans ▪ Tree removals 	

Contract Package		Environmental Representative/s
Sydney Metro Retained Obligations (SM)		Jo Robertson
Key Construction Activities		
SM	<ul style="list-style-type: none"> ▪ Nil 	
ER Inspections		
SM	<ul style="list-style-type: none"> ▪ Nil 	
Meetings		
SM	The following meetings with DPIE were attended by the ER:	

	<ul style="list-style-type: none"> ▪ (all packages ER/DPIE interface) ▪ (all packages ER/DPIE/AA/SM CSW interface)
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.	
Audits	
SM	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
Looking Forward – Core Focus Areas	
SM	<ul style="list-style-type: none"> ▪ Compliance review Q3 and Q4 2020 is outstanding and needs to be completed. ▪ Update to the Staging Report ▪ Clarify process for updates to the OOH Protocol in relation to SSI_7400 and SSI_8256

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.

Where the Report indicates that information has been provided to HBI by third parties, HBI assumes no liability for any inaccuracies in or omissions to that information.

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HBI Healthy Buildings International Pty Ltd

Attachment B: Core Focus Area Review

Date Raised	Project	Site or Work Package	Core Focus Area	Approval	Applicable Condition / REMM	Background/Minimum requirement	Compliance Status	Risk/Recommendations	Issues Status
May-21	CSW	All	Noise	SSI 15_7400 SSI 17_8256	NV1	Use of non tonal alarms - non tonal reversing alarms will be fitted to all permanent mobile plant	Yet to be determined	Confusion ongoing at contractor end re application of the tonal and non tonal alarm requirements - there is consistent messaging re reversing alarms but other the use of quackers on other "movement" alarms, eg: slewing are challenged. It is recommended that Sydney Metro safety and environment teams should agree on a consolidated position (in conjunction with the AA's and ERs) which should be advertised within the contractor project teams to avoid this issue. Was an issue at Waterloo ISD and now has been raised at Marrickville LW works.	Open
May-21	CSW	VC-ISD	Traffic	SSI 15_7400	CTMP	DPIE query re use of Miller Street footpath and lane on Miller Street for extended works; following NSC complaint. Raised by DPIE with SM. SM to respond to DPIE. DPIE comments on VC CTMP remain outstanding after a long period.	Ongoing	SM to respond to DPIE re use of Miller Street. VC-ISD contractor to respond to DPIE comments on the CTMP.	Open
May-21	S2B	SMC	Mid-Year Shutdown / OOHs	SSI 8256	E23/E25	Appropriate respite periods must be identified for OOHW in consultation with the community.	Yet to be determined	A number of different contractors will be working across multiple locations along the Sydenham to Bankstown rail corridor and stations during the Mid-Year Shutdown/Possession. There is a risk that works will attribute to unacceptable cumulative noise impacts to nearby sensitive receivers, including sleep disturbance if not assessed adequately. For example, a residential receiver at a certain location may be subject to noise impacts from more than one contractor at the same time. Without adequate communication between contractors, SM, Comms and the relevant ERs, the appropriate level of AMM (e.g. respite, AA) may not be applied. Noise modelling is generally conducted by each contractor and inputs are based on their scope of works - Contractors are unlikely to take on the risk of assessing other contractors scope into their noise models.	Open
May-21	CSW	SSJ	OEMP	SSI 15_7400	D1-D8	An OEMP and Sub-plans must be developed.	Yet to be determined	There is a risk that environmental issues identified during the course of construction are not included in the OEMP. This may be due to the length of time between the construction contractor finishing and the operational contractor (TSOM?) commencing or preparing the OEMP. For example, cyanide contamination in groundwater at 11 Sydenham Road, and asbestos in soil.	Open
Mar-21	CSW	Sydney Metro	CTR	SSI 15_7400 SSI 17_8256	Compliance Tracking Program	Sydney Metro's Q3/Q4 2020 CTR is overdue. Some of the other contractor packages are still being finalised for Q4, 2020. Continued emphasis within project teams is required if SM wish to remain complaint with the CTP requirements.	Ongoing	Continued emphasis within project teams and SM is required for SM remain complaint with the CTP requirements.	Open
Mar-21	CSW	TSE/VC-ISD	Settlement	SSI 15_7400	E61	There has been observed ground movement at VC-ISD in the rockwall under 65 Berry Street. There have been no reports made to the ER as to whether movements have exceeded criteria as per Condition E61. This has been raised with both TSE and VC-ISD and both have been requested to provide monitoring data for the wall in question. No response has yet been received. Delays in Lendlease excavating footings for building core at base of the wall due to the movement.	Not Determined	It is understood SM are aware of this issue which is also a contractual issue. Further monitoring data is required to assess this issue. It is not clear if IPIAP are aware of the issue. If they are not, it is recommended they are informed and get across the issues. Update 20-4-21: and 17-5-21 No further information provided.	Open
Feb-21	CSW	All	OOHs	SSI 15_7400	E44(d)	Sydney Metro presented a position on the Approval Pathway for OOH works using E44(d)	Ongoing	Initial correspondence was using the terminology "Inaudible" for noise levels no greater than 5 dB(A) above the RBL. ER comment regarding documentation of such work proposals. Query/discussion regarding use of pathway was sent to ERs and not AA. OOH documentation received to date under this pathway for WL ISD only addressed E44(d)(i), where that requirement requires all (i)-(iii) to be addressed Differing documentation between Contractors. Also one potential activity that hasn't been documented at all and was being undertaken OOH (still to be investigated) Update 17/05/21: GK - I have no update on this. Is it being discussed at Ben/Andrew's levels via this CFA Meeting?	Open
Nov-20	CSW	VC-ISD	OOHs	SSI 15_7400	E47	There are significant night works planned and approved for VC-ISD between now and Christmas at the intersection of Berry and Miller Streets. This will lead to four nights of works a week, with less noisy TSE crane works on the weekend between for one weekend.	Ongoing	Council typically approve only 3 nights of out of hours works for a given week. Lendlease are pushing more and this has been approved with conditions under the OOHs protocol. This will bring to a head potential restrictions by Council. ER Update 16-12-20: This remains an open issue. Ongoing discussions are occurring outside of ER involvement. OOHs have ceased until 11 January 2021. Update 18-1-21: Works have recommenced with two complaints recorded to date. Open issue. Update 16-2-21: Issue ongoing - night works continue and have resulted in further complaints. Update 15-3-21: Reduced complaints and less works occurring. Some complaints related to Tower crane install at VCN - a one off. Potentially less of an issue but will monitor. Update 20-4-21 and 17-5-21: Ongoing high level of out of hours and occasional complaints.	Open
Oct-20	CSW	CSMW	Noise	SSI 15_7399	CNVIS	Hammering works have re-started in the Eastern Entrance. One complaint was received immediately it started. There are likely to be more complaints due to the close proximity of residents.	Ongoing	LOR and SM to be aware of issues and manage complaints accordingly whilst ensuring notifications are regular; respites are adhered to as well as other stated mitigation measures. Update 18-1-21: Significant numbers of complaints from one complainant still being received. Being managed as an unreasonable complainant and complaints reported weekly. Update 15-3-21: Ongoing complaints from the one complainant. Works are deeper and hence less vibration impacts. Airborne noise remains high - works planned for 4-6 weeks.	Open
May-20	CSW	SSJ	Trees	SSI 15_7400	E6	The CSSI must be designed to retain as many trees as possible and provide replacement trees such that there is a net increase in the number of trees. The Proponent must commission an independent, experienced and suitably qualified arborist to prepare a comprehensive Tree Report before removing any trees as detailed in the EIS, as amended by the documents listed in A1. The Tree Report must include:.... In the event that tree removal cannot be avoided, then replacement trees are to be planted within, or in close proximity to the CSSI or other location in consultation with the Relevant Councils and agreed by the Secretary. The size of the replacement trees will be determined in consultation with the relevant Council. A copy of the Tree Report must be submitted to the Secretary before the removal, damage and/or pruning of any trees, including those affected by the site establishment works. All recommendations of the Tree Report must be implemented by the Proponent, unless otherwise agreed by the Secretary. The Tree Report may be prepared for the entire CSSI or separate reports may be prepared for individual areas where tree removal and/or pruning is proposed.	On-going	Issue originally raised in May 2020. There is a risk that negotiations between JHLORJV / Sydney Metro and the Inner West Council (IWC) may not result in an agreement that complies with the requirements of Condition E6. There has been no resolution received from IWC on the matter of suitable tree replacement locations and methods since late 2019. Update 16/6/20: IWC have responded positively re the landscaping plans, but are still yet to respond to communication regarding tree replacement. SM have provided JHLOR with a new Council contact, with whom they are now corresponding. Update 14/7/20: JHLOR have been in contact with IWC and are attempting to schedule a meeting to discuss possible locations for tree replacement. Update 19/8/20: JHLOR have scheduled a meeting with IWC on 20/8/20, after which they will provide an update on the outcomes. Update 15/9/20: Tree planting master plan and database to be provided to JHLOR by IWC. Trying to reduce number of offsite trees to be replanted. No resolution as yet. Update 15/10/20: Additional areas for tree replacement on the project are being discussed but are limited. JHLOR have raised the possibility of paying Council (IWC) to undertake the tree replacement on their behalf. There may be contractual obligations that need to be overcome if this path is pursued. Update 17/11/20: The ER is not aware of any further progress made by the contractor to meet this condition. Update 16/12/20: The ER is not aware of any further progress made by the contractor to meet this condition. Update 18/01/21: Options for tree replacement are being explored with the assistance of Sydney Metro. An agreed strategy is yet to be drafted. Update 16/02/21: JHLOR provided approach to replanting via TB (not provided to the ER) – to be agreed first in principle with SM, then with designers. Fortnightly meetings being held. Planting areas refined by DK. Advice from landscape designers on suitable species to be obtained. TS followed-up with BA & Jo Heggarty – to follow-up further. Update 20/04/21: No update available to the ER Update 17/5/2021: Payment to Council benchmarked per tree proposed. Loretta (JHLOR Comms) to setup meeting with Council tree person. Options to plant in the rail corridor are limited, though JHLOR to discuss further with the Design Manager (initial feedback indicates restrictions due to lots of utilities). The Portuguese Club indicated that they may be willing to accept trees though have since been unresponsive. TS to follow-up further with BA & Jo Heggarty. Indicative costs for trees of certain literage have been requested, i.e. tree cost plus maintenance. Internal weekly meeting to recommence b/w SM & JHLOR to discuss.	Open