

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

6 November 2020
Ref: 170108-ER_DPIE-OCT-20

Dear Rob

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for October 2020

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), and MOD7_ Administrative Changes (29 June 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 following work packages for the month of **October 2020**.

- 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) Enabling Works (SMEW)
- Relevant Sydney Metro Retained Obligations and Activity

Yours sincerely

Jo Robertson
Environmental Representative

Cc:

Sydney Metro: Carolyn Riley, Fil Cerone, Ben Armstrong, Hugh Chapman, Pam Tummers, Simon Fisher, Andrew Hendy, Tim Solomon
Ann Paterson, Julia Diamond, Chris Berg, Chris Dickson
Contractors: Rob Muir (TSE), Jason Ambler (MPISD and VCISD), Sally Reynolds (WLISD), Andrew Zvirzinas (Pitt St ISD), Matt Billings (LWW), Daniel Keegan (SSJ, SMEW)
DPIE: Elizabeth Williamson, Matthew Todd-Jones, Jake Shackleton
cc. IEA: Larry Weiss, Julie Dickson



Contract Package	Environmental Representative/s
Tunnel and Station Excavation (TSE)	Michael Woolley
Key Construction Activities	
TSE	<p>Chatswood site:</p> <ul style="list-style-type: none"> ▪ Works in the dive completed ▪ Completion and Landscaping of cul-de-sac on Nelson Street ▪ Handover of site to Linewide. <p>Artarmon:</p> <ul style="list-style-type: none"> ▪ Removal of unsuitable backfill complete ▪ Ongoing infill of suitable backfill material into former basement ▪ site handed back to Sydney Metro <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Removal of temporary blinding layer in the base of the shaft ▪ Removal of the northern section of the acoustic shed. Commencement of removal of the rest of the shed. ▪ Removal of equipment from the caverns <p>Victoria Cross South site:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation and rock hammering of the shaft using multiple excavators ▪ Stockpiling and load out of spoil onto trucks on Denison Street using telescopic bucket on the excavator ▪ Lining (FRP) of pedestrian adits completed <p>Blues Point site:</p> <ul style="list-style-type: none"> ▪ Construction of water proof lining on walls and around tunnels ▪ FRP works at base of shaft ▪ Support activities at the surface <p>Bligh Street:</p> <ul style="list-style-type: none"> ▪ Ongoing support activities, general works in the access tunnel ▪ Water treatment plant (WTP) operation ▪ Wheel wash operational <p>Martin Place Station-South:</p> <ul style="list-style-type: none"> ▪ ESR shaft lining completed ▪ Lining of adits into the south shaft completed ▪ Handover of site to follow on Contractor Lendlease. <p>Marrickville dive site:</p> <ul style="list-style-type: none"> ▪ Water treatment plant (WTP) operating and treating runoff from rain received during the period ▪ Local Area Utility Works on Edinburgh Road (involving road closure) and Railway Parade. Dive and Transgrid structure handed over to Line Wide. <p>Marrickville stabling yard</p> <ul style="list-style-type: none"> ▪ Piling for retaining wall adjacent to Sydenham Pit completed and FRP works ongoing ▪ Backfilling of culverts and extensive drainage works ongoing, including excavation and slab construction ▪ Drainage tie-in works at Sydney Steel Road and Murray Street ongoing with diversion of flows via new culverts to the aqueduct ▪ Spoil removal and import of sandstone for backfill ongoing with extended hours ▪ Large section of hardstand fenced and handed over to Line Wide for their site compound <p>Pitt Street North:</p> <ul style="list-style-type: none"> ▪ Excavation/rock hammering complete ▪ Blinding of floors complete ▪ Area of shaft complete <p>Pitt Street South:</p> <ul style="list-style-type: none"> ▪ Cranage works to remove the metro deck ongoing ▪ Small number of tunnel pours left to complete ▪ Excavation works complete and site demobilisation commenced, scheduled for completion mid-November 2020



	<p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ New WTP now operating ▪ Former WTP at the foreshore has been removed with slab removal ongoing. ▪ Ongoing FRP for slabs and walls, stair installation in the station box and sharks' fin (EPL variation for works until 10pm) ▪ Construction of plenum structure in crossover cavern with large concrete pours undertaken ▪ Laydown areas for steel and equipment ▪ Foreshore re-establishment works ongoing; construction of block wall with some sandstone blocks placed
ER Inspections	
TSE	<p>There were four ER inspections carried out during the month. Issues identified during the inspections included:</p> <ul style="list-style-type: none"> ▪ Marrickville Stabling Yards: There was evidence of minor erosion in the vicinity of the retaining wall above the Sydenham Pit. ▪ Barangaroo: An IBC containing WTP chemicals was not being stored with secondary containment.
Endorsed Document/s	
TSE	<ul style="list-style-type: none"> ▪ CSWMP Rev 9 ▪ CTR TSE Q2 2020
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 reduced on a monthly basis as site works are generally less obtrusive and many sites have now been handed over.</p> <p>As of the start of November 2020, ER inspections will be held fortnightly instead of weekly, reflecting a lower number of TSE sites to visit as these are handed over to the follow on contractor.</p> <p>JHCPBG reported minor incidents during the reporting period comprising two minor oil spills (contained and cleaned up); one minor oil spill on Elizabeth Street which was promptly cleaned up; and one minor diesel spill.</p> <p>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)	
No audits conducted within the reporting period	
Looking Forward – Core Focus Areas	
TSE	<ul style="list-style-type: none"> ▪ Water and ERSED management at the Marrickville stabling yard generally and specifically at the interfaces with live culverts ▪ Noise and vibration impacts at Victoria Cross South during excavation activities ▪ Landscaping works recently commenced on wharf areas at Barangaroo

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. Use of Metro Box for storing concourse canopy prior to installation. ▪ Central Walk – Excavating for Central Walk, shotcreting, loading out of excavated materials and installing new concrete beams underneath suburban Platforms 16-23 (24/7). Excavating within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Construction of canopy tubes to the Eastern Entrance. ▪ 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



	<ul style="list-style-type: none"> ▪ Northern Concourse - Excavation in area of old escalators continuing next to CEB Building, having exposed large areas of foundation. Excavating, concreting, installing steel posts, props and demolition within hoardings on upper and lower Northern Concourse. Ongoing installation of façade sections of the new steel roof. ▪ Eastern Entrance: Steel fixing and slab poured for ground level floor. Excavation of rock with rock hammer re-commenced. Scaffolding erection for concrete pours. ▪ CSR works: Rail Institute - FRP works inside excavation made by sheet piles. Concrete pour observed inside excavation made by sheet piles. Ongoing works. ▪ CSR works: Mortuary Station - Not Inspected: Small compound remaining inside an ATF fence for laydown/equipment storage. Cable pulling is main activity in the area remaining. ▪ CSR works: SYAB - Ongoing used of the bridge for access. Cable pulling works on CSR under bridge ▪ ESR Concourse - Temporary walkway installed and in use by pedestrians to allow for further works in the area ▪ Eddy Ave Booster - Trench across covered pedestrian footpath backfilled and re-opened to public. Area outside existing booster fenced off to public. The excavation is open for installation of pipes.
ER Inspections	
Central Station	There were two ER inspections conducted in October 2020. The key issues raised at these inspections were loose dirt on hardstand, and secondary containment of an IBC in the Yard area.
Endorsed Document/s	
Central Station	<ul style="list-style-type: none"> ▪ CSWMP - Revised for Annual Review Rev 8
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 each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.</p> <p>There has been email correspondence during the reporting period between the Project and the EPA regarding one complainant.</p>
Audits	
Central Station	No audits conducted within the reporting period.
Looking Forward – Core Focus Areas	
Central Station	<ul style="list-style-type: none"> ▪ Management of Heritage Buildings (CEB Building) with excavations in the immediate vicinity. ▪ Noise impacts to residents in Chalmers Street during weekend possessions.

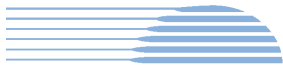
Contract Package	Environmental Representative/s
Sydenham Station and Junction (SSJ)	Jo Heltborg
Key Construction Activities	
SSJ	<ul style="list-style-type: none"> ▪ SEC triangle – GST installation works and track drainage ▪ Geotechnical Area – Sydney Trains service building works. Backfilling of combined service route (CSR) excavations complete; Track drainage and retaining wall complete ▪ Burrows Ave/ Platform 6 – Continuation of construction of new waste building on Platform 6. Station plaza/concourse works ongoing, including stormwater installation and kerbing ▪ Bolton St / Hogan Ave – Installation of sewer ventilation shaft, completion of drainage works. TBM retrieval works proposed 5-7th November 2020 ▪ Platforms 1 & 2 – Works conducted on the WE13 possession, mainly on Platform 5 & 6 side including kerb, sewer vent, and service installation. Headstocks complete and aerial pedestrian concourse lifted into place, and additional canopy lifts during October ▪ Sydenham Rd triangle area – Culvert cutover complete and backfilled. Demolition of redundant east and west underground culverts commenced; Excavation of underbore launch pit and Tunnel Boring Machine (TBM) activated ▪ 11 Sydenham Rd - Weir and baffles almost complete, backfill commenced. Spoil movement and stockpiling. Piling ongoing for new Metro services building. Service installation. ▪ Sydenham Pit and Pumping Station – Ongoing works to the new ramp; Pit inlet expansion from the



	<p>weir complete</p> <ul style="list-style-type: none"> ▪ Confluence Structure & Temporary Upstream Connection – External completion works around the confluence structure ongoing. Bulkhead in place along western channel and temporary bypass live. Ramp and stormwater installation works commenced in the Eastern Channel. Demolition of redundant channel structure ongoing, including lead brick removal ▪ Bedwin Rd – Piling for track slab drainage ongoing under road bridge
ER Inspections	
SSJ	<p>There were three inspections conducted by the ER in October 2020. The key issues discussed were:</p> <ul style="list-style-type: none"> ▪ The compliant storage of fuel jerry cans and containers of hazardous chemicals ▪ Prevention of spills involving hydraulic oil and primer ▪ Sediment and runoff control issues at 11 Sydenham Road ▪ Stockpile management adjacent to canals at Way Street and Carrington Road laydown areas ▪ Stockpile management adjacent to the spillway from the confluence to Sydenham Pit ▪ The management of vacuum truck slurry at the XPT Centre laydown ▪ Graffiti on site boundary screening
Endorsed Document/s	
SSJ	<ul style="list-style-type: none"> ▪ SSJ CEMP Rev 13 ▪ SSJ CSWMP Rev 12 ▪ SSJ CHMP Rev 09 ▪ SSJ AQMP Rev 10
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>	
SSJ	<p>There were no complaints for SSJ reported to the ER during October 2020.</p> <p>There were no incidents for SSJ reported to the ER under conditions A41 to A44 of SSI 7400.</p> <p>There were two minor Class 3 environmental incidents reported to the ER during October 2020:</p> <ul style="list-style-type: none"> ▪ 15/10/2020: Approximately 300 ml of oil had spilt directly to the ground (fill material). The spill was fully contained to the site; no material entered any stormwater system. ▪ 27/10/2020: A hydraulic oil spill of approximately 1L occurred on concrete hardstand in the structural steel pre-build area. The spill was contained and mopped up with absorbent pads. No material left site or entered any local stormwater.
Audits	
SSJ	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
Looking Forward – Core Focus Areas	
SSJ	<ul style="list-style-type: none"> ▪ The management of contaminated groundwater during underbore works from the Sydenham Rd triangle to Hogan Ave & Sydenham Rd ▪ Management of ERSED controls generally, including stockpile management at 11 Sydenham Rd ▪ Completion of station structures and noise and vibration impacts during OOHW and possessions ▪ Implementation of the tree replacement strategy



Contract Package		Environmental Representative/s
Line Wide (Tallowong to Bankstown)		Peter Hatton (North) / George Kollias (South)
Key Construction Activities		
Line Wide	<p>SMTF (North)</p> <ul style="list-style-type: none"> ▪ Road 25/26 and 28/29 ballast, sleeper, rail install ▪ Landscape excavation - SER / Rail bridge, access track/ballast area ▪ Maintenance shed – Installation works track R7 ▪ Civil excavation and spoil movement from MTS to Snake Mountain ▪ Preparation for landscaping ▪ SER building installations <p>Northern Connection</p> <ul style="list-style-type: none"> ▪ Survey – Ongoing general survey works ▪ Install posts and panels ▪ Grout pad ▪ Earthworks City end of site ▪ Re-rail of UP North Shore including welding of rail ▪ Drainage – 2 extensions city-side and 1 ULX at MTS ▪ Piling at Open Dive – Drill and concreting works ▪ Earthworks for track formation – strip ballast, excavate, lay engineered fill <p>Crows Nest Station site</p> <ul style="list-style-type: none"> ▪ Stacking and dragging rail towards Victoria Cross and Chatswood ▪ Kibble erection underway <p>Waterloo Station</p> <ul style="list-style-type: none"> ▪ Concrete deliveries to supply cross passage works in tunnels ▪ Management of tunnel wastewater in coordination with Waterloo ISD Contractor <p>Southern Dive (Marrickville)</p> <ul style="list-style-type: none"> ▪ Rail grinding and stockpiling ▪ Construction of plinths in Southern Dive in preparation for rail welding ▪ Rail movements supplying rail to welder and into tunnel ▪ Flash-Butt Welding of rail ▪ Concrete Agitators running concrete into Cross Passage concreting works <p>Canterbury to Campsie – Bulk Power Supply Works</p> <ul style="list-style-type: none"> ▪ Backfill communication pit ▪ Lay conduit and backfill at Pat O’Connor Reserve ▪ Joint Bay excavation and placement of precast units ▪ Ongoing excavation adjacent to Joint Bay ▪ Possession WE17 complete with electrical poles stood and service relocation undertaken at Lilian St, Campsie 	
ER Inspections		
Line Wide	<p>For SMTF North, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Water spray on unsealed roads to reduce dust risk during ER inspection and road sweeping has been on-going to remove tracked mud from road surfaces ▪ Vegetation near sediment basin previously covered by geofabric struggling to become established in part due to compaction of the soil surface. Light ripping of the area followed by soaking wetting is recommended ▪ Swale drains under construction in expansion area prior to landscaping works. Top soil application underway in limited areas ▪ Drain controls across the site are in good condition ▪ Access road through MTS area is being well maintained clean of tracked mud and debris <p>For the Crows Nest Station site, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ All significant activities are currently occurring in the station box under the acoustic shed. ▪ Rail deliveries and butt welding completed ▪ The public areas surrounding the construction site are well maintained – no evidence of any waste from the construction site accumulating outside the site 	



	<ul style="list-style-type: none"> ▪ Deliveries and unloading undertaken within a drive-in / drive-out acoustic shed. Concrete delivery structure has been installed under the acoustic shed ▪ Works along Pacific Highway footpath adjacent to western boundary of the site are managed by Sydney Metro and are not part of the Line Wide works ▪ Tunnel discharge water collected in sumps at either end of work site and pumped to WTP at Chatswood Dive Site treatment and off-site discharge <p>For the Northern Connection, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Piling works completed and installation of retaining wall panels has commenced ▪ Graffiti sprayed onto hoarding fronting Valetta Lane after previous removal. Sydney Metro has confirmed that the standard hoarding can be replaced by black painted fencing with the community contact information provided in corflutes at either end of the fencing. No change to hoarding facing Brand Street ▪ Earthworks underway at the city end of the site to construct city end of the upcoming down line slew ▪ Environmental management and community issues around activities being undertaken, including: night-time noise aspects, spoil management, concrete washouts, traffic control in locals streets and spill kits. Environmental and community issues presented at multiple pre-starts undertaken for workers of multiple shifts ▪ Battery-powered lighting towers implemented in parts of site ▪ Some rock hammering required in shale rock for drainage trench ▪ Formation earthworks with multiple plant items working at night. Plant switched off while not in use. Diesel-powered light tower used at this location. <p>For Waterloo Station, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Concrete waste management at Waterloo Station Box ▪ Management of tunnel wastewater through implementation of extra supervision, in coordination with Waterloo ISD Contractor <p>For Southern Dive (Marrickville), the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Hazardous substances container available on Southern Dive Compound site requires bung or valve on second outlet before use ▪ Mud slop on shared access (under TSE control) is a potential source of mud tracking <p>For Canterbury to Campsie – Bulk Power Supply, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Additional trenching beneath Tree 19 tree roots, reported to have been undertaken again under supervision of Arborist ▪ Old Bottle observed by ER on ground adjacent excavation. Environment Coordinator advised this was not considered significant ▪ ERSED controls performed well considering amount of recent rainfall. Maintenance actions for sediment fence at stockpiling area and berm below stormwater outlet ▪ Dirt tracking on Anzac St addressed through sweeping of street
Endorsed Document/s	
Line Wide	<ul style="list-style-type: none"> ▪ SCLWW-OOHW-035 TSS WE17 Possession 24-25 October ▪ Consistency Assessment Artarmon Re-railing ▪ SCLWW-OOHW #042 - SMTF WE16 Possession Works ▪ SCLWW-OOHW #047 - SMTF MW 16 Possession Works ▪ SCLWW-OOHW #046 - SMTF WE 18 Possession Works
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>There were two complaints to note for the Possession WE16 works regarding noise:</p> <ul style="list-style-type: none"> ▪ Resident complained of noise from weekend possession work. This resident had been offered alternative accommodation prior to the work but declined offer. Household will be having moulded earplug fitting next week. Resident was satisfied with this outcome



	<ul style="list-style-type: none"> ▪ Resident moved into property over the weekend and was not aware of work. Stakeholder was called and advised of the out of hours works process and how respite offers are triggered. Offered to include stakeholder on construction updates distribution list. Resident happy with this response <p>A complaint was received regarding noise generated from the hammering activity on the Waterloo site, at the Raglan Street end. The stakeholder did not requested a follow up, so there was no action required aside from registering as a complaint</p> <p>There were 3 minor Class 3 incidents:</p> <ul style="list-style-type: none"> ▪ Hydraulic leak 18/10/20 – A blown fitting on a hi-rail excavator caused around 10L of oil to spill in the track area during Possession WE16 at Northern Corridor work area. Machine repaired, and the construction team applied saw dust which was then swept up and disposed of. ▪ Minor spill 28/10/2020 – Tunnel Agi dripped engine oil while at the concrete pump in the decline of the Southern Dive site. The area was cleaned up. ▪ Minor oil leak 08/10/20 - During the repair of a 16t tyred excavator at Northern Connection, a small volume of oil has dripped onto the ground, causing a minor spill of < 1 L. This was noticed during the ER inspection. This was pointed out to the Supervisor and the spilt material was cleaned up and removed.
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Audits	
Line Wide	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
Looking Forward – Core Focus Areas	
Line Wide	<ul style="list-style-type: none"> ▪ Interface with ISD Contractors regarding tunnel water management ▪ Interface with Sydney Water during water main replacement works on Brand Street, Artarmon.

Contract Packages	Environmental Representative/s
TSOM (Train Service Operation and Maintenance)	Peter Hatton

Key Construction Activities

TSOM – SMTF(N)	<ul style="list-style-type: none"> ▪ Cable pulling through trackside conduit continued ▪ Continued installation of trackside signalling equipment ▪ Continued installation of trackside communication equipment ▪ Internal fit-out of DSER2 room ▪ W/E 17-18 October possession <ul style="list-style-type: none"> • Depot signalling equipment room 1 (DSER 1) cable terminations and cabinet install • Points machine testing • Fibre haul to Tallawong station ▪ W/E 24-25 October <ul style="list-style-type: none"> • Power supply cut-in DSER 1 • Scissor survey • Fibre to Tallawong. • Survey only Chatswood (Thales) ▪ W/E 31 October <ul style="list-style-type: none"> • DSER1 terminations and rack installation
Degnan OCC Works	<ul style="list-style-type: none"> ▪ Forming, reinforcing and pouring of condenser slab (external) complete, wall complete and condensers in place and wiring commenced, fencing completed around other ½ of slab complete ▪ Continuing fit-out of ground floor and 1st floor rooms, glass doors in place and partition wall removed on ground floor ▪ Uninterrupted power supply (UPS) room – all batteries in place, energisation started on all Cell 1 to 5 in Main Switch Board Room ▪ Generator testing and commissioning complete

ER Inspections

TSOM	<ul style="list-style-type: none"> ▪ TSOM works included in LWW SMTF inspection 08/1020.
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Endorsed Document/s

TSOM	<ul style="list-style-type: none"> ▪ Nil this inspection period
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Non-compliance/ Incidents or Repeat Complaints
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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	No complaints, incidents or NCRs
Audits	
TSOM	No audits proposed
Looking Forward – Core Focus Areas	
TSOM	▪ Nil

Contract Package	Environmental Representative/s
Martin Place ISD Macquarie Bank/Lend Lease	Michael Woolley/Jo Robertson
Victoria Cross ISD (VC-ISD) - Lend Lease	Michael Woolley/Jo Robertson
Crows Nest ISD – Sydney Metro	Michael Woolley
Waterloo ISD – John Holland	George Kollias
Pitt Street ISD - CPB	Michael Woolley

Key Construction Activities	
MP-ISD	Martin Place North <ul style="list-style-type: none"> ▪ Loadout platform being used for deliveries ▪ Ongoing detailed excavation in the SE corner of the site ▪ Various work activities in the base of the shaft such as footing construction. ▪ Set up for site sheds on the blinding slab in the base of the shaft ▪ Waterproof lining being installed on walls in the NW of the site
VC-ISD	<ul style="list-style-type: none"> ▪ Nil
CN-ISD	<ul style="list-style-type: none"> ▪ Out of hours utility works to facilitate construction of a logistics lane.
PS-ISD	<ul style="list-style-type: none"> ▪ Nil
WL-ISD	<ul style="list-style-type: none"> ▪ Commencement of construction 1st October 2020 ▪ Preparation of rock anchors, minor shotcrete works and trimming walls in Station Box ▪ Waterproofing (geofabric and membrane) to the Station Box Wall ▪ Commencement of piling within Station Box ▪ Mobile crane support on surface level ▪ Office and amenities set-up onsite and at the Botany Road Ancillary Facility ▪ Interface with Linewide works: Ramp removal; tunnel concrete trucks supporting concrete pours at cross passages; Mechanical and electrical (M&E) movements through box; demobilisation of plant; tunnel water management

ER Inspections	
MP – ISD	ER Inspection at the Martin Place site was carried out on 15 October 2020. No new issues were identified during the inspection.
VC-ISD	No inspections conducted.
CN-ISD	No inspections conducted.
PS-ISD	No inspections conducted.
WL-ISD	There were three inspections conducted by the ER in October 2020. The key issues raised at these inspections were: <ul style="list-style-type: none"> ▪ Waterloo Water Treatment Plant (WTP) now receiving tunnel wastewater from tunnels areas of Systems Connect’s responsibility ▪ Elevated work platform (EWP) with tonal beeper tagged out for replacement with a non-tonal alarm ▪ Dust control for rock grinding and piling activities ▪ Piling spoil separated into waste streams, stockpile covered and managed ▪ Recent rainfall evident with site sumps containing water. Water level managed using float switches in sumps ▪ Actions identified at the WTP including dewater chemical containment bund that is full and replace plug on the outlet of the other chemical containment bund



	<ul style="list-style-type: none"> ▪ Minor hammering and nail guns (impulsive noises) noticeable outside site at street level ▪ Current Environmental Control Map (ECM) and Progressive Erosion and Sediment Control Plan (ESC) posted on Noticeboard for Site Staff's information
Endorsed Document/s	
ISD- Martin Place	<ul style="list-style-type: none"> ▪ CA for Floor Boundary with SSD ▪ CTR MP ISD Q2 2020 ▪ OOH43 Tunnelling ▪ OOH52 Extended working hours ▪ OOH53 South Station Hoardings ▪ OOH56 Deliveries and Removals ▪ OOH57 Deliveries North and South ▪ OOH60 Hoarding and Graphics Nth ▪ OOH58 Tower Crane Install - South ▪ OOH52 Extended working hours Rev 2
VC - ISD	<ul style="list-style-type: none"> ▪ VAMP Rev B
CN - ISD	<ul style="list-style-type: none"> ▪ Revised ASP OOHs Application for Utility works - Electrical Install - additional works ▪ Ausgrid Power outages OOH4 ▪ OOH3 Electrical and pole install - extension ▪ OOH3 Electrical and pole install - additional extension
PS-ISD	<ul style="list-style-type: none"> ▪ Pitt Street ISD CEMP by CPB - Rev C
WL-ISD	<ul style="list-style-type: none"> ▪ OOHW #06 - October OOH Works
Complaints / Incidents / Non-compliance	
ISD- Martin Place	No complaints, incidents or non compliances were reported to the ER during the reporting period.
VC-ISD	No complaints, incidents or non compliances were reported to the ER during the reporting period.
CN-ISD	No incidents or non compliances were reported to the ER during the reporting period. One complaint was reported, however found to be related to utility works by a utility provider in the area.
WL-ISD	<ul style="list-style-type: none"> ▪ Minor spill 08/10/2020 – Blown hydraulic oil hose on piling rig within Station Box ▪ WTP overflow onto site with water pumping from Linewide tunnel areas. Email advice provided. Sydney Metro is reviewing the incident reporting requirement between contractors
Audits (specific to packages reported in this report)	
As part of the approval for the EHS Plan at Martin Place, the ER is required to undertake an audit of the Implementation of the EHS Plan within three months of the approval. This audit was commenced by the ER on 24 September when the ER participated in a pre-organised audit of the Implementation of the EHS Plan as required of Macquarie Bank assurance processes. The ER conducted further audit activities in early October that involved interviews with key management personnel. The report is planned to be issued to DPIE in line with the EHS Plan Approval requirements, which is submission of the report within 6 months of the approval.	
Looking Forward – Core Focus Areas	
MP –ISD	<ul style="list-style-type: none"> ▪ Completion of ER Audit of EHS Management Plan as per Condition of Approval of the document.
VC - ISD	<ul style="list-style-type: none"> ▪ Nil
CN - ISD	<ul style="list-style-type: none"> ▪ Noise from out of hours works for utilities along the Pacific Highway.
PS - ISD	<ul style="list-style-type: none"> ▪ Review of CEMP and Sub-Plans prior to submission to DPIE
WL-ISD	<ul style="list-style-type: none"> ▪ Interface with Linewide works regarding tunnel water management



Contract Package		Environmental Representative/s
Sydenham to Bankstown Sydney Metro Early Works (SMEW)		Jo Robertson
Key Construction Activities		
SMEW	<ul style="list-style-type: none"> ▪ Myrtle Street Overbridge, Victoria Road Overbridge: Separation fencing was constructed during the period between the freight and passenger train lines in Zone 1. ▪ Albermarle Street, Kays Avenue, Wilga Avenue: GST installation was undertaken. ▪ Ewart Street and Laydown, Garnet Street, Ness Avenue: Combined Services Route (CSR) establishment works to the city side of the Terrance Road Bridge (along Ewart Street) were nearing completion with recent works completed during the possession weekend. The area contains materials, equipment and a small stockpile. Tree demarcation was evident. ▪ Foord Avenue, Keir Avenue, Metford Street: Crane lift that had been delayed to WE17 was completed. ▪ Church Street, Minter Street, Hutton Street: Ballast and boundary ERSED control have been installed. The installation of security fencing along the pedestrian pathway to the west is on hold due to a low hanging cable. ▪ Retaining Wall 1 (RW1), Cooks River: The carpark area is being used for laydown purposes. Exposed faces remain mostly wrapped in geo fabric. The compound is in use with some vehicle access evident. ▪ Retaining Wall 2 (RW2): Retaining wall construction and backfilling batters behind wall was continuing. Installation of new boundary palisade fencing was ongoing. ▪ Retaining Wall 3 (RW3), Wairoa Street, Nowra Street, North and South Parade, Charles Street (near bridge), Broughton Street: Batter civil works are nearly complete extending almost the entire length of RW3. ▪ Extension works: trenching and pipe installation underway at the Duke Street Pedestrian overbridge-complete. 	
ER Inspections		
SMEW	There were two inspections conducted by the ER in October 2020. The key issues discussed were minor erosion and sediment control maintenance items, pedestrian signage for the Duke Street Pedestrian overbridge temporary closure, tree protection and batter stabilisation.	
Endorsed Document/s		
SMEW	Nil for SMEW however for Metron design investigation works: <ul style="list-style-type: none"> ▪ SMCSWSWM-PCMW-014 Track Slab and Intrusive Platform Investigations during possession weekend 17 ▪ SMCSWSWM-OOHW-014 Track Slab and Platform Investigations (during possession weekend 17) ▪ SMCSWSWM-PCMW-015 Canterbury Road Overbridge Utility Investigation Works 	
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	There were no incidents reported to the ER under conditions A36 of SSI 8256. The ER is not aware of any non compliance for SMEW for the period. There were two complaints during October 2020, with one found to be unrelated to the project works. The remaining complaint was associated with poor worker behaviour when asked to relocate a vehicle during possession weekend.	
Audits		
SMEW	No ER involvement in audit activity including Independent Environmental Audits (IEA program).	
Looking Forward – Core Focus Areas		
SMEW	<ul style="list-style-type: none"> ▪ Environmental controls associated with works in proximity to Cooks River ▪ Compliance review Q3, 2020 	

Contract Package		Environmental Representative/s
Sydney Metro Retained Obligations (SM)		Jo Robertson
Key Construction Activities		
SM	▪ Nil	
ER Inspections		
SM	▪ Nil	
Endorsed Document/s		
SM	▪ Overarching Community Communications Strategy Version 7.0_vk_kc	
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	▪ Compliance review Q1 and Q2, 2020.	

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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