

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

7 December 2020
Ref: 170108-ER_DPIE-NOV-20

Dear Rob

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for November 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 **November 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>Marrickville stabling yard:</p> <ul style="list-style-type: none"> ▪ Backfilling of culverts and extensive drainage works ongoing. ▪ Local Area Utility Works on Edinburgh Road (involving road closure) and Railway Parade. ▪ Retaining wall adjacent to Sydenham Pit ongoing. ▪ 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. ▪ Edinburgh road still closed due to adjacent construction site works. ▪ Water treatment plant (WTP) works to reduce sediment in the bunded areas. <p>Pitt Street South:</p> <ul style="list-style-type: none"> ▪ Excavation works complete and site demobilisation ongoing. ▪ Load out of equipment by crane during OOHs. ▪ Minor completion works prior to handover. <p>Pitt Street North:</p> <ul style="list-style-type: none"> ▪ Area of shaft complete and prepared for handover. ▪ Site sheds have been removed. <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ New WTP operating. ▪ Construction of plenum structure in crossover cavern with large concrete pours ongoing. ▪ Laydown areas for steel and equipment. ▪ Foreshore re-establishment works ongoing; construction of block wall ongoing. ▪ New area for site sheds. <p>Blues Point site:</p> <ul style="list-style-type: none"> ▪ Site handed over to Line Wide contractors. <p>Victoria Cross South site:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation and rock hammering of the shaft, with hammering essentially completed. ▪ Load out of spoil onto trucks on Denison Street using telescopic bucket on the excavator. ▪ Support activities. ▪ Cranage of equipment out of site in the weekend post inspection. <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Removal of WTP bunds. ▪ Completion of the acoustic shed removal. ▪ Ongoing clean up of site after demolition works and preparation for handover to Lend Lease. 	
ER Inspections		
TSE	<p>There were two ER inspections carried out during the month. Issues identified during the inspections included:</p> <ul style="list-style-type: none"> ▪ Victoria Cross North: sediment staining was observed in the driveway of the site and onto the footpath ▪ Barangaroo: One IBC containing a water treatment chemical was observed without secondary containment ▪ Victoria Cross South: There were minimal ERSED controls for water leaving site and going across the footpath on Miller Street ▪ Victoria Cross North: Raised dust during wind gusts were observed on the hardstand where the shed used to be. The area was not clean after recent demolition activities of the shed. 	
Endorsed Document/s		
TSE	<ul style="list-style-type: none"> ▪ VC SEP Rev 7 ▪ Marrickville SEP Rev 8 	
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>	



	JHCPBG reported one minor diesel spill during the reporting period as well as two unexpected contamination finds at Marrickville. There were no incidents reported by JHCPBG as defined by the project approval definition for incidents under condition A41.
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 ▪ Landscaping works recently commenced on wharf areas at Barangaroo

Contract Package	Environmental Representative/s
Central Station	Michael Woolley

Key Construction Activities	
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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 assembly of 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. ▪ 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 - Excavation in area of old escalators continuing using rock hammers next to CEB Building, adjacent exposed large areas of foundation. ▪ Excavating, concreting, installing steel posts, props and demolition within hoardings on upper and lower Northern Concourse. Blinding slab placed next to CEB Building. Removal of one section of suspended slab. Planning for possession works to remove the remainder of the slab by rock hammer. Ongoing installation of new canopy. Various other activities. ▪ Eastern Entrance: Excavation ongoing in sandstone. ▪ CSR works: Ongoing works inside sheet piles and large pipe Rail Institute. ▪ 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 temporarily fenced off to public.
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ER Inspections	
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Central Station	<p>There were two ER inspections conducted in November 2020. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ Loading of the kibble with the excavator at the Eastern Entrance appeared to be from an elevated height, increasing noise impacts as rocks hit the base of the kibble for the first two loads. ▪ The drain near the ramp to Track 16 required cleaning out and additional ERSED controls applied at the southern end of the drain to ensure runoff did not pass the drain.
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Endorsed Document/s	
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Central Station	<ul style="list-style-type: none"> ▪ Nil this reporting period
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Non-compliance/ Incidents or Repeat Complaints	
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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. Most complaints continue to be received from one complainant. One incident report was received during the reporting period relating to a diesel spill contained on site.</p>
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Audits	
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Central Station	No audits conducted within the reporting period.
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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 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 –Refurbishment works ongoing for the Sydney Trains service building. Channel drainage works. Haul road in use for access to Platforms 1 & 2. Burrows Ave/ Platform 6 – Work continuing on new waste building on Platform 6. Station plaza/concourse works ongoing, including stormwater installation; foundations for bike shed being prepared. Bolton St / Hogan Ave – Tunnel boring machine (TBM) receiving pit excavated and shoring box in place on Hagan Ave. Underbore works complete; preparation for conduit and grouting commenced. Proposed trenching works along Hogan Ave extended until early December. Lane closure and traffic detours in place. Sydenham Station, Platforms 1 & 2 – Platform 1 precast stairs and canopy lifted on evening of 9/10th Nov, continuation of works to concourse glass and lift shafts. Continuation of works to new station structures. Refit of Platform 1 & 2 buildings ongoing. Sydenham Rd triangle area – Underbore to Hogan Ave complete. Excavation of second launch pit (for underbore to Sydenham Rd) commenced. Second underbore to Sydenham Road complete. Preparation for trenching to traffic lights on Sydenham Road. 11 Sydenham Rd - Demolition of redundant culverts ongoing. Spoil movements and transport offsite. Works to Metro services building ongoing. Drainage Line 50 works ongoing. Sydenham Pit and Pumping Station – Retaining wall extension works along the top of Sydenham Pit from 11 Sydenham Road toward the Pump House continued. New ramp asphalted. Confluence Structure & Temporary Upstream Connection – Ramp and stormwater installation works ongoing. Demolition of redundant culverts ongoing, including lead brick removal. Bedwin Rd – Most piling works complete. Preparation for works to cut down piles. Channel drainage and conduit installation underway along either side of the site.

ER Inspections	
SSJ	<p>There were two inspections conducted by the ER in November 2020. The key issues discussed were:</p> <ul style="list-style-type: none"> maintenance of ERSED controls and protection of stormwater pits maintenance of stockpiles covers to reduce dust

Endorsed Document/s	
SSJ	<ul style="list-style-type: none"> Nil this reporting period

Non-compliance/ Incidents or Repeat Complaints	
<p>Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for SSJ.</p>	

SSJ	<p>There was one complaint for SSJ reported to the ER during November:</p> <ul style="list-style-type: none"> Resident on Hogan Ave complained about cracks to ceiling. Investigation is ongoing. <p>There were no incidents for SSJ reported to the ER under conditions A41 to A44 of SSI 7400.</p> <p>There was one minor Class 3 environmental incident reported to the ER during November 2020:</p> <ul style="list-style-type: none"> 4/11/2020: A water main burst during works to identify an existing leak on Garden Street. Sandbags were applied to the gutter to slow flows and the EPA was notified for transparency.
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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



	<ul style="list-style-type: none"> ▪ Implementation of the tree replacement strategy
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Contract Package	Environmental Representative/s
Line Wide (Tallawong to Bankstown)	Peter Hatton (North) / George Kollias (South)

	Key Construction Activities
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Line Wide	<p>SMTF (North)</p> <ul style="list-style-type: none"> ▪ Maintenance shed fit-out works ▪ Landscaping works ▪ Track installation works ▪ SER building installations ▪ Civil excavation and spoil movement from MTS to Snake Mountain <p>Chatswood Dive Site</p> <ul style="list-style-type: none"> ▪ Site clean up following occupation by Line Wide (Systems Connect) and handover from TSE ▪ Electrical relocation works ▪ Drill rig setup and hand drilling for tunnel fit out ▪ Detailed survey ▪ Installing new stairs cross passages RT01 and RT02 <p>Northern Connection</p> <ul style="list-style-type: none"> ▪ South west drainage ▪ Earth works north of bridge, stockpile management and spoil movement ▪ Survey ▪ Pile rectification works <p>Artarmon Traction Sub-station (TSS)</p> <ul style="list-style-type: none"> ▪ Initial set-up activities including barrier construction ▪ Piling works – survey, drilling, cage and concrete ▪ Equipment movement on site - new storage ▪ Load out of stockpiles <p>Crows Nest Station site</p> <ul style="list-style-type: none"> ▪ Materials deliveries ▪ Dewatering crane footings ▪ Rail movement ▪ Preparation for and then removal of site sheds ▪ Commencement of acoustic shed removal <p>Waterloo Station Box</p> <ul style="list-style-type: none"> ▪ Removal of tunnel access ramps at the city-end of station box <p>Southern Dive (Marrickville)</p> <ul style="list-style-type: none"> ▪ Rail movements supplying rail to welder and into tunnel ▪ Flash-butt welding of rail completed ▪ Blockworks in UP tunnel cross passages ▪ Gantry construction commenced ▪ Preparation for track slab construction in covered dive ▪ Drill rig delivered and in tunnel ▪ Site Office compound setup <p>Canterbury to Campsie – Bulk Power Supply Works</p> <ul style="list-style-type: none"> ▪ Traffic management ▪ Joint Bays placement ▪ OOH Joint Bay works in Campsie ▪ Saw cutting of trench alignment at Lilian Lane ▪ Excavate and place conduit along main alignment ▪ Excavation of trial holes at Lilian St
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	ER Inspections
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Line Wide	<p>For SMTF North, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Road sweeping has been on-going to remove tracked mud from road surfaces. ▪ Requirements related to house keeping (emphasised during pre-start meetings)
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	<ul style="list-style-type: none"> ▪ Snake Mountain sediment basin discharge in anticipation of expected heavy rainfall ▪ Landscaping progressing to swales in the SMTF expansion area ▪ Heavy rain aided establishment of vegetation upslope of the Snake Mountain sediment basin ▪ TSoM activities: Cable pulling (trackside), installation of trackside signalling equipment, installation of trackside communication equipment and Internal fit-out of DSER2 room <p>For the Chatswood Dive Site, Northern Connection, Artarmon TSS and Crows Nest Station, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Graffiti management at a number of sites. By way of example, SC has installed black shade cloth along Valetta Lane as a temporary measure pending agreement about a long term solution to the graffiti management problem. Graffiti has also been removed from hoarding at Artarmon TSS construction site ▪ Sediment controls along Valetta Lane are working well and it was observed that there was no sediment run-off from the site. Stockpiles inside the Valetta laydown area had been well covered with poly covering. ▪ Systems Connect has done a good job cleaning up Chatswood Dive Site. Mostly very neat and well organised. However, waste concrete storage area requires work to bring it up to the required standard. Actions required included clean up of fugitive concrete run-off, removal of waste concrete and extension of existing bunding. ▪ The alignment of the permanent down track has become more apparent with the completion of the dive site overpass structure. ▪ Improvements to erosion and sediment control measures, along with upgraded pavement cleaning, have been implemented within the Northern Connection worksite. Brand Street adjacent to the site entrance is swept on a regular basis to ensure that any dirt tracked off-site by construction vehicles is removed from public roads. ▪ The Artarmon TSS site has been occupied by SC following transfer from TSE. ▪ Site sheds have been removed (except for one) have been removed from the Crows Nest site and have been placed in storage at Chatswood Dive Site. Cranes are in place for removal of the acoustic sheds. <p>For Waterloo Station, the key issue discussed was:</p> <ul style="list-style-type: none"> ▪ Management of tunnel wastewater in coordination with Waterloo ISD Contractor <p>For Southern Dive (Marrickville), the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ SC to address the habits developing in those undertaking plant maintenance on Southern Dive site, where empty chemical containers left onsite ▪ SC to address appropriate disposal of oily waste / spill waste from site ▪ It was noted that the hazardous substances container had started to be used, but still required bung or valve on second outlet. SC responded with the installation of a tap installed during ER Inspection ▪ Investigate cause of minor diesel spills and clean-up around diesel pod at Southern Dive ▪ Clean-up concrete washout on hardstand surface and provide skip bins for concrete washouts at Southern Dive <p>For Canterbury to Campsie – Bulk Power Supply, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Good traffic management and ERSED controls around active Joint Bay works at South Parade ▪ Local businesses communicated with and arrangements made to address impacts to property access ▪ Wet-Vac used to clean-up slurry during saw-cutting activity at Lillian Lane ▪ Run-on water from Anzac St, Canterbury draining over disturbed trench alignment and causing settlement in the clay under Tree 19 and resulting scour down through site. SC to implement ERSED controls
Endorsed Document/s	
Line Wide	<ul style="list-style-type: none"> ▪ ER Approval for Minor Amendment to Construction Environmental Management Plan C2B Rev1 ▪ ER Approval for Minor Amendment to Construction Waste Recycling and Spoil Management Plan C2B Rev1 ▪ ER Approval for Minor Amendments to Construction Soil, Water and Groundwater Management Plan C2B Rev 2 ▪ ER Approval for Minor Amendments to Construction Noise and Vibration Management Plan C2B Rev 1 ▪ ER Approval for Minor Amendments to Construction Noise and Vibration Management Plan SMTF Rev04 ▪ LWW-OOH-056: SMTF Maintenance Building OHW and TSOM Testing and Commissioning



	<ul style="list-style-type: none"> ▪ LWW-OOHW-048 Campsie BPS Trenching and Joint Bay ▪ LWW-OOHW-055 Surry Hills BPS Minor Ancillary Facility Establishment
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 six complaints related to Line Wide works:</p> <ul style="list-style-type: none"> ▪ Crows Nest Station 11/11 – Nosit from a generator following power outage (when the power had been tuned back on) ▪ Northern Connection 18/11 – 2 complaints relating to vibration impact. A resident reported vibration in home for approx. 5 minutes at 12:20 pm and 1:15 pm. A preliminary investigation has not identified any vibratory SC work taking place at times mentioned. Investigations are ongoing, and the resident will be informed of outcome <p>A resident reported experiencing vibration in his property. The complaint also referred to property condition assessment report regarding cracking in walls. A preliminary investigation has not identified any vibratory SC work taking place at times mentioned. Investigations are ongoing, and the resident will be informed of outcome. Comment around property condition has been referred to the TSE contractor with the outcome to be confirmed</p> <ul style="list-style-type: none"> ▪ Crows Nest station 19/11 – A resident complained about buzzing noise from site since acoustic shed removal started. The SC environment team attended site and determined it may be caused by ventilation fans in tunnels, however unable to confirm as noise was difficult to isolate during construction. Noise monitoring will be conducted 19/11 to confirm noise levels and assess any possible mitigations. Residents were to be notified accordingly ▪ Crows Nest Station 20/11 – A resident reported noisy vacuum truck parked on Clarke Ln Investigation - noise was from sucker truck used to pump out toilet tanks. This activity was planned as part of regular site management and it was reported that noise was in line with expected levels for this activity. SC advised resident they will give specific notice prior to future activity ▪ Victoria Cross South 30/11 – Strata manager from Miller St building called JHCPBG Place Manager to let them know residents had been complaining about OOH noise in tunnels. The call was referred to SC who are investigating the activities. Initial review of the CNVIS has assessed any activities happening in the tunnels to be inaudible above ground <p>Two events have been recorded at the Waterloo Site. Initial email notification was provided to the ER and Sydney Metro. The events include:</p> <ul style="list-style-type: none"> ▪ A WTP overflow ▪ A forklift operator ruptured a 44 gallon drum of curing compound while moving it <p>These events are still under investigation and will require reporting by one or both of the Contractors working at the site.</p>
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. ▪ Incident Reporting between Contractors



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"> ▪ Continued: cable pulling through trackside conduit; installation of trackside signalling and communication equipment ▪ Thales back on site installing CCTV and Cameras on trackside ▪ Internal fit-out of DSER2 room continuing ▪ W/E 01 November possession <ul style="list-style-type: none"> • Installation, testing and commissioning in DESR1 ▪ W/E 22-23 November possession <ul style="list-style-type: none"> • testing and commissioning of scissor crossing and fibre migration 	
Degnan OCC Works	<ul style="list-style-type: none"> ▪ Condenser slab (external) complete, fencing completed and walkway to slab complete ▪ Fit-out of ground floor and 1st floor rooms complete ▪ Milestone handover walk complete and punch list agreed 	
ER Inspections		
TSOM	<ul style="list-style-type: none"> ▪ TSOM works included in Line wide SMTF inspection 03/11/20 	
Endorsed Document/s		
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	No complaints, incidents or NCRs	
Audits		
TSOM	No audits proposed	
Looking Forward – Core Focus Areas		
TSOM	<ul style="list-style-type: none"> ▪ 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	<p>Martin Place South</p> <ul style="list-style-type: none"> ▪ Site recently handed over to Lend Lease from TSE Contractors ▪ Commencement of waterproof lining activities ▪ Making safe areas of wall with shotcrete and mesh installation ▪ General activities <p>Martin Place North</p> <ul style="list-style-type: none"> ▪ Loadout platform being used for deliveries ▪ Various work activities in the base of the excavation such as footing construction; conduit installation; ▪ Ongoing set up for multi-layered site sheds on the blinding slab in the base of the shaft ▪ Waterproof lining installation
VC-ISD	<ul style="list-style-type: none"> ▪ Out of Hours utility works – HV and water main
CN-ISD	<ul style="list-style-type: none"> ▪ Out of Hours utility works
PS-ISD	<ul style="list-style-type: none"> ▪ Out of Hours Utility investigations and hoarding construction
WL-ISD	<ul style="list-style-type: none"> ▪ Triple stacker office and amenities commissioning ▪ All piling completed through Station Box ▪ Continuing installation of waterproofing ▪ Steel deliveries at South Portal



	<ul style="list-style-type: none"> ▪ Tying steel of first base slab and commence formwork placement ▪ Concrete of base slab (Pour 1) undertaken ▪ Formwork and steel reinforcing for next base slab section ▪ Electrical and plumbing services ▪ Interface with Linewide: break-up and load-out tunnel ramp concrete
ER Inspections	
MP – ISD	ER Inspection at the Martin Place site was carried out on 26 November 2020. No new issues were identified during the inspection.
VC-ISD	No ER inspections conducted.
CN-ISD	No ER inspections conducted.
PS-ISD	No ER inspections conducted.
WL-ISD	<p>There were two inspections conducted by the ER in November 2020. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ Piling, waterproofing and concrete blinding continuing in Station Box. Spoil management and concrete washout controls in place ▪ Saw-cutting adjacent to site drainage sump. Silt socks placed, any slurry getting to sump will be pumped to WTP ▪ Cranes working at ground level are the most identifiable noises in the surrounding streets, whilst the more static noise from all the activities in the station box is not so distinguishable ▪ Ensure hazardous substances bunds are not beyond capacity and consider covering prior to rainfall ▪ Concrete washout on hardstand from concreting activities undertaken by subcontractor. Ensure all sub-contractors comply to environmental and compliance obligations, and concrete washouts are appropriately controlled at all times ▪ Dust being blown out the top of the Street Sweeper at times, addressed at the time with additional water from hose ▪ Initial large concrete pour including concrete finishing undertaken to 6:30pm in accordance with OOH works approval
Endorsed Document/s	
ISD- Martin Place	<ul style="list-style-type: none"> ▪ OOH62 South shaft Mesh ▪ OOH61 ESL Monitoring ▪ OOH59 Tunnelling Deliveries ▪ OOH63 Late 2020 Utility Works Rev 2 ▪ OOH53 Deliveries - extension of time ▪ OOH64 South Tower Crane 2 ▪ OOH54 South Station Castlereagh Street
VC - ISD	<ul style="list-style-type: none"> ▪ OOH6 High Voltage and water main works
CN - ISD	<ul style="list-style-type: none"> ▪ Ausgrid Power outages OOH4 rev 3 for one more night
PS-ISD	<ul style="list-style-type: none"> ▪ Construction Heritage Management Plan ▪ Construction Noise and Vibration Management Plan ▪ OOH2 In-ground service search Rev 2 ▪ Minor works application 1 ▪ Minor works application 2 ▪ OOH3 North Site Hoardings ▪ OOH5 Temporary Power Trenching ▪ Soil Groundwater Management Plan
WL-ISD	<ul style="list-style-type: none"> ▪ OOHWA #07 - November OOH Work ▪ OOHWA #08 - December OOH Work
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 incidents or non compliances were reported to the ER during the reporting period. One complaint was



	received in relation to the VC-ISD related to planned out of hours works, prior to works occurring.
CN-ISD	No incidents or non compliances were reported to the ER during the reporting period. One complaint was reported, related to the use of a generator during OOHs works.
PS-ISD	No complaints, incidents or non compliances were reported to the ER during the reporting period. One complaint was reported late in the previous reporting period relating to property inspections.
WL-ISD	<ul style="list-style-type: none"> ▪ Noise complaint received from internal wall removal activity at Botany Road Office (rear sheds). Wall removal complete ▪ Unrelated complaints regarding truck noise at night and worker (Traffic Controllers) behaviour <p>Two events have been recorded at the Waterloo Site. Initial email notification was provided to the ER and Sydney Metro. The events include:</p> <ul style="list-style-type: none"> ▪ A WTP overflow ▪ A forklift operator ruptured a 44 gallon drum of curing compound while moving it <p>These events are still under investigation and will require reporting by one or both of the Contractors working at the site.</p>
Audits (specific to packages reported in this report)	
No audits conducted within the reporting period	
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"> ▪ Noise from out of hours works for utilities
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"> ▪ Noise from out of hours works
WL-ISD	<ul style="list-style-type: none"> ▪ Interface with Linewise works regarding tunnel water management ▪ Incident Reporting between Contractors

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"> ▪ Combined Services Route (CSR) establishment works to the city side of the Terrance Road Bridge (along Ewart Street) are nearing completion. A small portion of the CSR remains to be connected on either side of the bridge. JHLOR articulated plans to backfill and install surface flow diversions to avoid scour and any associated dirty water run off ▪ CSR work to the country side of Garnett Road in the corridor was underway. The Garnett Road opening works had been completed ▪ Retaining Wall 1 (RW1), Cooks River: Compound still in use with some vehicle access evident. The retaining wall structure had been sprayed with Eco Blanket. JHLOR have installed sprinklers for batter watering to encourage germination and growth. Minor strike of the seeded Eco blanket was observed later in the reporting period ▪ Retaining Wall 2 (RW2): Retaining wall construction and backfilling of batters behind wall was continuing toward the Cooks River in and around the newly shotcreted wall. The remainder of the batter had been sprayed with Eco Blanket. Minor strike of the seeded Eco blanket was observed. 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 extend almost the entire length of RW3 with the completed portions of the batter sprayed with Eco Blanket. Some works were yet to complete along the haul road and at the extension works, and at Wairoa Road



ER Inspections	
SMEW	<p>There were two inspections conducted by the ER in November 2020. The key issues discussed were:</p> <ul style="list-style-type: none"> Exposed steep batter observed as per the image city side of Ness Avenue at Ewart Street. JHLOR to find out what is proposed to stabilise this location (from an ERSED perspective) It was observed that the seed blanket had begun to strike in the more watered areas above the irrigation line (ie: in the direction of sprinklers). JHLOR to monitor growth during hot weather as the lower part may not be receiving enough water. Housekeeping (empty water bottles)
Endorsed Document/s	
SMEW	<ul style="list-style-type: none"> Compliance Review Q3, 2020 Utility Management Strategy Plan Rev 09 (Revision 9.0, 3 November 2020) Southwest Metro Design Services (SMDS), Track Slab and Intrusive Platform Investigations, SMDS-PCMWW-014.1 Compliance Review – Sydney Metro Design Services (SMDS) Stage 3 Design
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 SMEW.</p>	
SMEW	<p>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 no complaints during November related to the SMEW works.</p>
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 Boxing Day possession

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 	
Endorsed Document/s		
SM	<ul style="list-style-type: none"> Nil 	
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>		
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 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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