

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

7 January 2020
Ref: 170108-ER_DPIE-DEC-20

Dear Rob

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for December 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 **December 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"> ▪ Local Area Utility Works on Edinburgh Road (involving road closure) and Railway Parade. ▪ FRP for retaining wall adjacent to Sydenham Pit ongoing. ▪ Construction and backfilling of culverts 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. <p>Pitt Street South and North:</p> <ul style="list-style-type: none"> ▪ Handed over of the site to Sydney Metro. <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ New WTP operating. ▪ Ongoing FRP for slabs and walls, stair installation in the station box and sharks' fin. ▪ Construction of plenum structure in crossover cavern with large concrete pours complete. ▪ Laydown areas for steel and equipment. ▪ Foreshore re-establishment works ongoing; construction of block wall mostly complete. 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"> ▪ Completion of excavation and rock hammering of the shaft. ▪ Load out of spoil onto trucks on Denison Street using telescopic bucket on the excavator complete. ▪ Support activities. ▪ Cranage of equipment out of site commenced and still to be completed. <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Concrete delivery to shaft occurring at time of the inspection. ▪ Clean up of site after demolition works commenced and ongoing. 	
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"> ▪ Marrickville Stabling Yard: Early in the inspection during high winds dust was observed from haul roads; open areas and where works were ongoing such as loading of trucks by excavator. Water carts were observed wetting down areas that reduced dust generated. ▪ Marrickville Stabling Yard: Mud tracking onto Sydney Steel Road was observed during the inspection. Street sweepers were on site and operating in the area. 	
Endorsed Document/s		
TSE	<ul style="list-style-type: none"> ▪ SEP Marrickville Rev 9 	
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 further sites have been handed over.</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. ▪ Landscaping works 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. ▪ 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 - Blinding slab placed next to CEB Building with stairs constructed. Ongoing installation of new canopy roof. Removal of one wall below the CEB Building. Preparation for removal of the slab adjacent the building during the Christmas possession. Various other activities. ▪ Eastern Entrance - Excavation ongoing in sandstone. ▪ Devonshire Street Tunnel- In operation and used by commuters. ▪ CSR works Railway Parade - Demobilisation of some plant and equipment from the area occurring during the inspection. ▪ Mortuary Station - Not Inspected. LOR stated essentially works have been completed. ▪ 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. Installation of scaffolding and commencement of breaking into the wall with small excavators placed on the scaffolding. ▪ Eddy Ave Booster - Trench across covered pedestrian footpath backfilled and re-opened to public.
ER Inspections	
Central Station	<p>There were two ER inspections conducted in December 2020. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ 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. ▪ Concrete slurry had been placed on ground near the spoil stockpile. This was not according to procedures to contain slurry in steel trays or in designated areas. ▪ Rubbish was observed in a bin marked as a spill kit. LOR stated spill kits are now in purple bins and this was one that had not been changed out. ▪ Signs were leaning on the Shunter’s Hut, an item salvaged for its heritage value. ▪ A truck was observed to be marked with a Light Rail sign on it. It was suggested that when trucks come to Central station the signs are covered or removed. ▪ Two un-labelled containers were observed next to the spill kit at the Eastern Entrance hence it was not obvious what chemicals were in the containers. ▪ LOR stated there is a transition from green spill kits to purple kits. There were no purple spill kits observed in the Sydney Yard area. The green ones were in place; however the labelling was not clear.
Endorsed Document/s	
Central Station	<ul style="list-style-type: none"> ▪ Nil this reporting period
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</p> <p>Most complaints continue to be received from one complainant and related to noise from daytime and OOHs works.</p> <p>A Non Compliance Report (NCR 20) was received dated 10 December relating to a truck using local roads on 9 December that were not approved under the CTMP for Central Station. This event was reported as a non compliance against Condition E85 in NCR 20.</p> <p>An Incident Report INC 009 was received on 15 December in regards to damage to a salvaged clock from Central Station. The glass of the clock had been broken in previous months during transport to the TfNSW</p>

	<p>storage area.</p> <p>During the reporting period LOR received a Penalty Infringement Notice from the EPA for a discharge of water from the WTP outside of EPL limits in March 2020. This event was recorded in the March ER Monthly Report.</p>
Audits	
Central Station	No audits were conducted during 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 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: Internal fit out of the Sydney Trains services building. Haul road in use for access to Platforms 1 & 2. Groundwater investigation works prior to underbore. ▪ Burrows Ave/ Platform 6: Work continuing on the new waste building on Platform 6. Station plaza/concourse works, including stormwater installation. ▪ Bolton St / Hogan Ave: Underbore complete; preparation for conduit and grouting commenced. Preparation for open trenching along Hogan Ave. Lane closure and traffic detours in place. ▪ Sydenham Station, Platforms 1 & 2: Continuation of works to new station structures. Refit of Platform 1 & 2 buildings ongoing. ▪ Sydenham Rd triangle area: Second underbore to Sydenham Road complete. Preparation for open trenching to Sydenham Road. ▪ 11 Sydenham Rd: Demolition of redundant culverts ongoing. Stockpiles being transported offsite and used for backfill. Works to Metro services building and Drainage Line 50 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. ▪ Way Street (South) Laydown: Storage of skip bins and equipment (no stockpiles). ▪ Way Street (North) Laydown: Small volumes of spoil stockpiled, being transported offsite. ▪ Bedwin Rd: Piling and pile breaking complete. Preparation for installation of throw screens on Bedwin Bridge. Channel drainage and conduit installation continuing. Transgrid works within project boundary.
ER Inspections	
SSJ	<p>There was one inspection conducted by the ER in December 2020. The key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Slurry bins at the XPT Laydown were becoming full from frequent use of sweeper truck and rain events. ▪ ERSED controls at Way Street between the laydown area and the culvert were in poor condition and overspill of spoil was observed.
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>The ER is not aware of any non compliance for SSJ for the period.</p> <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 December 2020:</p> <ul style="list-style-type: none"> ▪ 10/12/2020: A skip truck overturned at the Way Street laydown causing damage to a tree and an oil and diesel spill. An arborist assessment concluded the tree damage was minor with no long-term



	<p>impacts expected. The oil spill was to hardstand and was contained onsite.</p> <p>There were three complaints for SSJ reported to the ER during December. Upon investigation, complaints dated 1/12/2020 and 7/12/2020 were found not to be associated with the project. The following complaint is being investigated:</p> <ul style="list-style-type: none"> ▪ 8/12/2020: Property owner near the Bedwin Road site lodged a complaint regarding noise and dust, which they believe has resulted in a loss of tenants. Sydney Metro has arranged a meeting with the stakeholder to discuss further. The stakeholder is believed to have also contacted the NSW EPA.
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"> ▪ 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 ▪ Close-out of Conditions of Approval

Contract Package		Environmental Representative/s
Line Wide (Tallawong to Bankstown)		Peter Hatton (North) / George Kollias (South)
Key Construction Activities		
Line Wide	<p>SMTF (North)</p> <ul style="list-style-type: none"> ▪ Landscaping works – embankment adjacent to Tallawong Rd and adjoining DSER building access road ▪ SER building installations ▪ Maintenance shed fit-out works continuing ▪ Provisional sum area – Continuing track works ▪ Roads 24-35 and test track works. ▪ Snake Mountain clean-up and grading underway ▪ TSOM works continuing in DSER and trackside. ▪ Buffer stop installation Road 24 test track <p>Chatswood Dive Site</p> <ul style="list-style-type: none"> ▪ Drilling survey and blockwork down tunnel ▪ Track slab steel fixing ▪ Lighting installation <p>Northern Connection</p> <ul style="list-style-type: none"> ▪ South west drainage and pipe installation ▪ Earth works north of bridge ▪ Reinstallation of pedestrian walkway ▪ Capping placement ▪ Sub-soiling, country side of TSE bridge ▪ UGL installation of last cage <p>Blues Point Access Site</p> <ul style="list-style-type: none"> ▪ Site set-up and deliveries ▪ Construction of elevator for community day access to track level ▪ Installation of emergency lighting <p>Artarmon Traction Sub-station (TSS)</p> <ul style="list-style-type: none"> ▪ Removal of fortress fencing panels ▪ Loading out stockpiles ▪ Demobilising equipment and plant <p>Crows Nest Station site</p> <ul style="list-style-type: none"> ▪ Acoustic shed demolition ▪ Load and lift out scrap bins and removal of gantry crane shed in progress <p>St Leonards Storage Area</p> <ul style="list-style-type: none"> ▪ Stockpile management and treatment with stabilising polymer <p>Waterloo Station Box</p> <ul style="list-style-type: none"> ▪ Mechanical and Electrical Manager assisting with Waterloo Station WTP management <p>Southern Dive (Marrickville)</p> <ul style="list-style-type: none"> ▪ Gantry Crane establishment 	



	<ul style="list-style-type: none"> ▪ Concrete pours at crossovers in tunnel ▪ Reinforcing steel placed and formwork shutters placed for track slab at tunnel dive ▪ Hand drilling and drill rig in tunnel for service route and walkway attachments <p>Canterbury to Campsie – Bulk Power Supply Works</p> <ul style="list-style-type: none"> ▪ Asbestos contaminated soil removal works in high voltage cable trench alignment ▪ Pat O’Connor Reserve trench backfill complete ▪ Install temporary fencing and make good pedestrian footpaths ▪ Anzac Street and Cooks Ave joint bay backfill and hotmix asphalt complete ▪ Lilian Lane backfill and hotmix asphalt ▪ Possession WE25 works undertaken last weekend <p>Martin Place (Bligh St)</p> <ul style="list-style-type: none"> ▪ Access and deliveries into Martin Place, to deliver supplies / material / plant / equipment.
ER Inspections	
Line Wide	<p>For SMTF North, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Road Geotextile material has been fully removed from slope above temporary sediment pond. Recommendations were provided for actions to enhance / facilitate revegetation. ▪ Landscaping preparation works continuing in areas adjacent to DSER access road and embankment adjacent to Tallawong Rd. Planting scheduled for Q1, 2021. ▪ Fit-out of expanded maintenance shed continuing. ▪ Construction waste from NRT remains on-site. This will need to be removed prior to site hand-over to Sydney Metro. ▪ TSoM activities are being undertaken by MTR. These include cable pulling through conduit on trackside, installation of trackside signalling equipment, installation of trackside communication equipment and Internal fit-out of DSER2 room. ▪ Site in preparation for Christmas close-down with final slope shaping underway on Snake Mountain and mulching and topsoiling proceeding in the MTS expansion area. ▪ Fencing installation has been completed along access track/test track removing the access short cut. <p>For Chatswood Dive Site, Northern Connection, Blues Point Access Site, Artarmon TSS, Crows Nest Station, and St Leonards Storage Area the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Metro-compliant hoarding along Valletta Lane Artarmon and Whiting Street / Reserve Road showing no evidence of graffiti since most recent installation. ▪ Line Wide is now Principal Contractor at Blues Point Access Site. Mod 8 was authorised by the Minister for Planning and Public Spaces on 25/11/20. The Mod enables continued use of the existing acoustic shed for up to 12 additional months, with the shed to be removed prior to Christmas/New Year period in 2021/2022. Approved site rehabilitation activities at Blues Point to commence after completion of tunnel fit out works from early 2022. ▪ Front (harbour side) of Blues Point acoustic shed has been removed to enable installation of gantry crane. It will be refitted following installation of the gantry crane. ▪ Acoustic shed removal at Crows Nest has been proceeding with only the gantry crane shed remaining for removal. ▪ Spoil management activities are currently occurring at St Leonards storage site. Systems Connect to provide details about the expected duration of current activities. Stockpile treated with stabilising polymer to reduce risk of dust generation ▪ Northern Connection - Earthworks progressing country side of TSE bridge and capping placement city side. ▪ Sydney Water works in Brand Street were completed during the inspection and two way traffic resumed. SC access to Valetta Lane laydown area from Brand Street reopened ▪ Piling works completed at Artarmon traction sub-station (TSS) site and piling rig removed from site. Repairs required for a section of the sediment fence along Reserve Rd boundary. Site has been stabilised for close-down. Drainage protection strengthened in Whiting Street adjacent to main access gate. ▪ Removal of gantry crane acoustic shed underway at Crows Nest station in preparation for handover to ISD contractor on 11/01/21. Hume Street closed to traffic between Pacific Highway and Clark St to enable works to be undertaken safely. ▪ Works underway at Blues Point to construct an elevator for use of visitors to provide access to track



	<p>level for community function day on Sunday 20/12.</p> <p>For Southern Dive (Marrickville) the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Maintenance action identified to improve sediment controls adjacent stormwater channel and sweep site at recently handed over portion of TSE site ▪ Improvement actions identified for newly established concrete washout location to prevent contamination of waste/recycling stream and pollution of waters ▪ Cover the curing compound drum and chemical bund at the Southern Dive to prevent rainwater causing contaminated water to overtop bund if it is to remain onsite during site shutdown ▪ Sweep site exit from Southern Dive site where some dirt tracking is evident and where TSE Sweeper is not onsite as per usual situation <p>For Canterbury to Campsie – Bulk Power Supply the key issue discussed were:</p> <ul style="list-style-type: none"> ▪ Establish pedestrian detours and exclusion zone around asbestos removal works in Pat O’Connor Reserve ▪ Contaminated soil excavated and placed in plastic lined trucks for disposal at a licensed facility ▪ Trench remediation undertaken, topsoil placed and turf laid along trench alignment past Tree 19 ▪ Temporary fencing installed and pedestrian footpaths made good for site shutdown in Pat O’Connor Reserve ▪ Undertake clean-up of tracked mud on Anzac Street ▪ Joint bays and trenches complete and closed-up through local streets of Canterbury and Campsie. Hotmix asphalt placed to reinstate roads ▪ Possession works completed within and adjacent the rail corridor. No issues / complaints reported
Endorsed Document/s	
Line Wide	<ul style="list-style-type: none"> ▪ OOH-056 SMTF Maintenance Building OHW TSOM Testing and Commissioning ▪ OOH-058 Campsie TSS WE25 Possession 19-20 December 2020 ▪ OOH-059 Lilian Lane Trenching 19-20 December ▪ OOH-061 - Surry Hills BPS Investigation Works December 2020 ▪ OOH-061 - Surry Hills BPS Investigation Works December 2020 Rev.01 ▪ OOH-063 - Surry Hills BPS Elizabeth Street 26-31 December 2020
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 was one event in which Line wide were involved:</p> <ul style="list-style-type: none"> ▪ Waterloo WTP Incident: Linewide assisted with the management of tunnel water pump-out (stopping pumps) towards Waterloo, where the WTP had gone beyond capacity 5am 22/12/20. JHG (the Waterloo Station Contractor) is managing and reporting incident. <p>There seven complaints related to Line Wide works:</p> <p>Crows Nest 11/12/20 - caller advised that they were advised by Sydney Metro that the parking above their business will be removed from January 2021 and is seeking compensation for loss of business. The Crows Nest Station team has recently met with stakeholders to gather information from the community ahead of construction commencing in early 2021. Place Manager called back the stakeholder to say this initial meeting with stakeholders was a information gathering exercise and their feedback will passed onto the construction team so a more targeted solution can be found if possible.</p> <p>Crows Nest 17/12/20 - caller works in building adjacent to site, reported workers leaving rubbish and food scraps in garage and being rude to caller when confronted. Caller reported seeing workers urinating in unacceptable places. Caller asked for confirmation that workers had an allocated break area that they could use. SC reminded all workers to eat meals in designated shed and not loiter around site. Reminders around expected behaviours have been included in pre-starts. SC Place Mgr. advised caller of this action, caller accepted explanation but advised they would continue to keep a close eye on work</p> <p>Northern Connection 17/12/20 - caller reported consistent noise in area of Elizabeth St and Valetta Lane Investigation found that noise was being generated by ongoing Sydney Water work in the area. Place Mgr called stakeholder to advise that feedback should be directed to Sydney Water</p> <p>Crows Nest 17/12/20 - caller reported crane parked across driveway, impacting property access. SC confirmed crane will be moved next Monday. Place Mgr advised caller of above. Resident comfortable with</p>



	<p>this outcome.</p> <p>Chatswood Dive Site 17/12/20 - Caller is reporting that the trucks belonging to the Contractor Hanson are lining up on Hampden Road while waiting to get into the Rail Corridor and are that the contractor is leaving the trucks running while waiting. The caller advises that the idling is noisy and that a diesel smell is emanating across the suburb. The caller is requesting that the drivers can turn off the engines while they are waiting. Systems Connect Stakeholder Manager spoke with SC engineer to confirm with contractor to have their drivers turn off their engines whilst waiting at site. SC called to let the resident know the contractor in question was asked that all trucks turn their engines off while idling and that with the road closed for the Sydney Water work, it's taking longer to enter the site</p> <p>Northern Connection 21/12/20 - resident reported odour from portable toilet near her property. SC confirmed toilet is cleaned regularly and was last emptied on 17 December, after which no work has taken place on site so it has not been used. The Site manager advised stakeholder toilet is not currently in use, however toilet has been relocated further away from residence to reduce any impacts</p> <p>Crows Nest 22/12/20 - Stakeholder reported cracking and subsidence on road and footpath near Crows Nest site. Review of dilapidation reports confirmed that damage pre-dated Systems Connect occupation of site. Issue to be managed by incoming Crows Nest Station contractor. Sydney Metro called stakeholder to provide this advice.</p>
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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 ▪ Bulk Power Supply works being undertaken on Elizabeth St, Surry Hills 26th – 31st December 2020

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 05/12/20 – 06/1/202 possession <ul style="list-style-type: none"> • Testing and commissioning ▪ W/E 12/12/20 – 13/12/20 possession <ul style="list-style-type: none"> • Testing and commissioning
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 15/12/20

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/George Kollias
Waterloo ISD – John Holland		George Kollias
Pitt Street ISD - CPB		Michael Woolley
Key Construction Activities		
MP-ISD	<p>Bligh Street:</p> <ul style="list-style-type: none"> ▪ Concrete works at ramp including saw cutting. Lendlease advised this was to improve turning area for trucks under the shed ▪ Water Treatment Plant not operating at time of inspection. Works planned to upgrade the Plant ▪ Office adjustments – general preparation and alterations after handover from TSE Contractor <p>Martin Place South</p> <ul style="list-style-type: none"> ▪ Ongoing waterproof lining activities ▪ Installation of tower crane base including anchors and grouting ▪ Installation of canopy tubes above the pedestrian tunnel ▪ Collecting water in a sump and pumping it to the Martin Place North site ▪ Other general construction 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 Works only including utility investigations and installation 	
CN-ISD	<ul style="list-style-type: none"> ▪ Crane base construction ▪ Lifting materials by crane between the station box area and site surface, including excavated material ▪ Installation of temporary services inside the station box, including trenching ▪ Removal of site sheds and the acoustic enclosure. ▪ Delivery of plant, machinery and materials 	
PS-ISD	<ul style="list-style-type: none"> ▪ Out of Hours Works only including utility investigations and installation; hoarding installation; power supply installation 	
WL-ISD	<ul style="list-style-type: none"> ▪ Continuing installation of waterproofing ▪ Formwork, reinforcement placement and pours of base slabs and cores ▪ Cranage of materials ▪ General deliveries 	
ER Inspections		
MP – ISD	<p>An ER Inspection at the Martin Place site was carried out on 17 December 2020. The key issues raised at the inspection was:</p> <ul style="list-style-type: none"> ▪ An EWP was observed to have both a tonal and a low frequency movement alarm, depending on the movement occurring. It was discussed that all plant on site for OOHs and/or for a long period of time should only be using low frequency movement alarms. ▪ The forklift on the metal deck at the south shaft was observed to be using a tonal alarm. As above, it was discussed that all plant on site for OOHs and/or for a long period of time should only be using low frequency movement alarms. 	
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 December 2020. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ Ensure chemical containers including Hazardous Substances are stored fully on bund (no overhang), ensure bund is not overloaded (beyond capacity) and chemical types being stored together are compatible 	



	<ul style="list-style-type: none"> ▪ JHG to remove liquid waste and used spill kit materials to a secure, bunded location and arrange appropriate disposal ▪ Some maintenance occurring at the water treatment plant (WTP) with turkey's nest sump being raised in height and removal of accumulated slop / sediments. ▪ Any extra tunnel water sent in the direction of Waterloo is now less likely to flood station box now that slab is in place in front of tunnel portal country end ▪ Larger cranes are generally quieter than the smaller capacity crane ▪ First wall steel component will be lifted into position within the station box, as part of the approved OOH (evening hours when less site personnel within the Station Box) ▪ Site access / egress gates on satisfactory condition, no dirt tracking with associated sediment and dust potential ▪ Site shutdown actions discussed for Station Box: All waste bins are to be lifted out of Station Box and disposal arranged; All chemicals and chemical bunds will be out of the Station Box; Removal of accumulated rainwater through use of puddle pumps ▪ Site shutdown actions discussed for surface works: Housekeeping actions; Sweeping of site; Covering bins; Silt socks procured and ready to lay as additional control across site gate; WTP maintenance actions ongoing including removal of slurry from turkey's nest
Endorsed Document/s	
ISD- Martin Place	<ul style="list-style-type: none"> ▪ Revised CGWMP (Rev 8) to cover Bligh Street Compound ▪ Revised Spoil Management Plan (Rev 4) updated to cover Bligh Street Compound ▪ Revised VAMP (Rev 4) updated to cover Bligh Street Compound ▪ Revised CHMP (Rev 5) updated to cover Bligh Street Compound ▪ OOH59 Tunnelling Deliveries - extension of time ▪ OOH68 Waterproof south shaft ▪ OOH65 Deliveries ▪ OOH66 Utility works
VC - ISD	<ul style="list-style-type: none"> ▪ OOH6 High Voltage and Water Main works Rev 6 to capture expanded work area ▪ OOH7 Site Mobilisation works
CN - ISD	<ul style="list-style-type: none"> ▪ OOH-004 Ausgrid Power outages (Rev 4) extension ▪ PCMW-001 Site Establishment Works Rev1 ▪ PCMW-002 Tower Crane Establishment Rev1 ▪ OOH-005 Crane Delivery and Install
PS-ISD	<ul style="list-style-type: none"> ▪ Spoil MP Rev C ▪ Visual Amenity Management Plan (VAMP) Rev C ▪ Soil Groundwater MP - Revised post DPIE comment
WL-ISD	<ul style="list-style-type: none"> ▪ Nil this period
Complaints / Incidents / Non-compliance	
ISD- Martin Place	No complaints, incidents or non compliances were reported to the ER during the reporting period.
VC-ISD	<p>No incidents or non compliances were reported to the ER during the reporting period. A number of complaints were reported including:</p> <ul style="list-style-type: none"> ▪ a stakeholder wondering why PPE was being used on site. The resident was advised that the PPE was for worker protection to prevent drying and itching of skin from the acoustic shed installation as it was removed. ▪ Resident complained about noise from hoarding installation work on Pitt St north and requested for a break over the Christmas period. The details of hoarding installation work were provided and advised work is expected to be complete by 12 December. ▪ Residents reported beeping from a EWP being used as part of the demobilisation. The response to the resident indicated it was for safety reasons (movement alarms).
CN-ISD	No incidents or non compliances were reported to the ER during the reporting period. One complaint was reported, related to property damage. A loss of parking issue was reported as a Line wide issue and has bene dealt with under that report.
PS-ISD	One non compliance report (NCR) was issued to the ER during the reporting period relating to Condition E90 which requires road dilapidation reports to be issued to Council <i>"within 2 weeks of completing the</i>



	<p>surveys and no later than 1 month before the use of local roads by heavy vehicles". The report indicated that road dilapidation reports were completed and issued to Council; they were not issued prior to one month before works using heavy vehicles commenced. The ISD contractor stated the following in the NCR Report:</p> <p><i>"The Pitt St Integrated Station Development (ISD) works being undertaken by CPB represent a follow-on works package to the TSE package of works at the Pitt St North and South sites. CPB was aware that the TSE Contractor had previously undertaken road dilapidation surveys of the local roads surrounding the Pitt St sites in accordance with the requirements of CoA E90. Due to the pre-existing presence of the TSE Contractors site hoardings and facilities, CPB was unable to undertake meaningful road dilapidation surveys prior to the removal of these items by the TSE Contractor. Therefore given the time between the vacation of the site by TSE, it would not have been possible for CPB to have carried out the surveys and prepared the Road Dilapidation Report in accordance with the Condition of Consent."</i></p> <p>Two complaints were reported during December in relation to OOHs noise and footpath damage.</p>
WL-ISD	<p>Two previously reported events have had reports finalised:</p> <ul style="list-style-type: none"> ▪ A WTP overflow (EVT-1114410 LW tunnel discharge 22/10/20) ▪ A forklift operator ruptured a 44 gallon drum of curing compound while moving it (EVT-1114890 Interface Spill 11/11/20) <p>Events reported in December 2020:</p> <ul style="list-style-type: none"> ▪ EVT-1115296 27/11/20 – Water was being used on site to control stockpile material. During this activity the water overflowed from the on-site drain and left site into the stormwater drain on Botany Road. No environmental harm resulted and actions have been implemented. ▪ EVT-1115349 30/11/20 – Minor hydraulic spill in the station box. The quantity was approx. 5L which was contained and managed using spill kit material. No environmental harm occurred. ▪ EVT-1115745 22/12/20 - Operation of the Waterloo Water Treatment Plant. Approx. 27 mm of rainfall overnight caused the onsite holding basin ("turkeys nest") to reach capacity and overflow. Water travelled to an internal sump onsite before building up and passing under Gate B2 across the pedestrian footpath before entering the street gutter/stormwater system. Visual inspection of water indicated it was clear with no visual sediment or oil/grease. The Water Treatment Plant onsite was operational but unable to keep up with incoming water. Incident was reported to the EPA Pollution hotline, reference no. C18797-2020. Uncontrolled discharged was contained within 20 minutes. <p>Two vibration complaints were received 15 December – Concrete hammering adjacent Botany Road hoarding. Hammering was undertaken for approximately an hour using an 8T excavator. The Community Place Manager (CPM) visited the stakeholder, explaining the work that was taking place and that it had been completed.</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
PS - ISD	<ul style="list-style-type: none"> ▪ Noise from out of hours works for power supply and crane installation.
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"> ▪ Ewart Street and Laydown, Garnet Street, Ness Avenue: CSR and security fencing installation to the countryside of Garnet Street in the rail corridor. ▪ Church Street, Minter Street, Hutton Street: Security fencing installation works had recommenced alongside the pedestrian pathway. ▪ Retaining Wall 1 (RW1), Cooks River: The retaining wall structure had been sprayed with Eco Blanket.



	<ul style="list-style-type: none"> Retaining Wall 2 (RW2): 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): Works had recommenced in this area, up to the end of the drainage swale.
ER Inspections	
SMEW	<p>There was one inspection conducted by the ER in December 2020. The key issues discussed were:</p> <ul style="list-style-type: none"> The site was very muddy after rain overnight and at the time of inspection. Trucks leaving the site from the RW2 and RW3 exits were tracking mud onto the road, which was being removed by a street sweeper immediately upon exit. Sediment-laden water was mostly captured by controls at the site exit, but could also be seen in the gutters along South Parade. Boundary fencing shade cloth had come loose in a number of locations along the RW2 and RW3 worksites. Security fencing/CSR installation works had commenced between Garnett Street and Ness Ave. Tree protection measures were not in place despite close proximity of works to these trees.
Endorsed Document/s	
SMEW	<ul style="list-style-type: none"> General site-wide minor works - SMDS OOHW-1.8, update to include ballast sampling
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>The ER is not aware of any non compliance for SMEW for the period.</p> <p>There were no incidents for SMEW reported to the ER under conditions A36 of SSI 8256.</p> <p>There was one minor Class 3 environmental incident reported to the ER during December 2020:</p> <ul style="list-style-type: none"> 15/12/2020: Damage to Tree #305 was observed in Zone 11. While the tree is approved for removal in the Tree Report, it was not adequately protected at the time the damage was incurred. <p>There were no complaints during December 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 the Cooks River Tracking onto public roads and stabilisation of haul roads and exits during wet weather Tree protection

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 was received by the ER mid December. It will be finalised in Q1 2021. 	

Statement of Limitations

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