

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

5 February 2021
Ref: 170108-ER_DPIE-JAN-21

Dear Rob

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

Healthy Buildings International (HBI) submits this report to the Secretary in accordance with:

- Condition A24 (l) of the Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 Approval (9 January 2017) and associated modifications MOD1_Victoria Cross and Artarmon (18 October 2017), MOD2_Central Walk (21 December 2017), MOD4_Sydenham Station and Metro Facility South (13 December 2017), MOD 3_ Martin Place Metro Station (22 March 2018), MOD5_Blues Point Acoustic Shed (2 November 2018), MOD6_Administrative Changes (21 February 2019), MOD7_ Administrative Changes (29 June 2020), and MOD8_Blues Point Access Site (25 November 2020); and
- Condition A26 (j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI_8256 Approval (12 December 2018) and associated modifications MOD1_Bankstown Station.

The attached summaries detail the key activities undertaken by Environmental Representatives for Sydney Metro – City and South West Chatswood to Sydenham for the following work packages for the month of **January 2021**.

- Tunnel and Station Excavation (TSE)
- Central Station (CSMW)
- Sydenham Station and Junction (SSJ),
- Line Wide (LWW)
- Train Service Operation and Maintenance (TSOM)
- Integrated Station Developments (ISDs)
- Sydenham to Bankstown (S2B) works packages including Enabling Works (SMEW), Corridor Works (SMC) and the early works for Marrickville, Campsie and Lakembla (MCL)
- 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"> ▪ Form Reo Pour (FRP) and drainage chamber tie-in works at Murray Street and Sydney Steel Road (Cherrie Civil) ▪ Backfilling of new retaining walls; new culverts and redundant stormwater canal ▪ Spoil and concrete removal and import of sandstone for backfill ▪ Removal of concrete slab by hammering for future drainage <p>Pitt Street South and North:</p> <ul style="list-style-type: none"> ▪ Hand over of the site to Sydney Metro/ISD Contractor during previous reporting period <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ New water treatment plant (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 ▪ Import of sandstone <p>Victoria Cross South site:</p> <ul style="list-style-type: none"> ▪ Site handed over to Sydney Metro/ISD Contractor <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Site handed over to Sydney Metro/ISD Contractor 	
ER Inspections		
TSE	<p>The TSE sites were shut down over the holiday period from 22 December to 11 January. 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: Controls between the site and Sydenham Pit had deteriorated in some locations and were mostly covered with sediment. A gap between concrete bollards was allowing runoff to flow directly over spoil and into controls along the fence. ▪ Marrickville Stabling Yard: Day-time concrete removal works, involving hammering were scheduled near Railway Parade. Sydney Metro has received complaints from a property owner at 350-360 Edgeware Rd regarding cumulative noise and other construction impacts from multiple construction projects in the area. 	
Endorsed Document/s		
TSE	<ul style="list-style-type: none"> ▪ Revised CHMP Rev 11 for approval of minor update ▪ Consistency Assessment: Barangaroo Additional Temporary Land 	
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 continued to reduce 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 ▪ ERSED management at landscaping works on wharf areas at Barangaroo 	

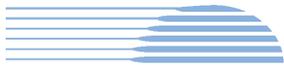


Contract Package		Environmental Representative/s
Central Station		Michael Woolley
Key Construction Activities		
Central Station	<ul style="list-style-type: none"> ▪ Metro Box - Truck movements; spoil excavation; metro box ventilation using scrubbers. Ongoing excavation and construction activities. Steel fixing and concrete pours in lower sections. Tunnels broken through as part of ongoing excavation of the Metro Box. Removal of Tower Crane ▪ 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 (WTP) operation; truck access; laydown. Stockpiling, processing and loadout of excavated material from other areas of site such as platforms and Eastern Entrance ▪ Northern Concourse - No apparent work on the removal of the slab adjacent the CEB building since the Christmas possession. Various other activities. Works on the canopy ▪ Eastern Entrance - Excavation ongoing in sandstone. Vibration monitor located in front entrance of nearby restaurant on Chalmers Street. Wall support as required ▪ Devonshire Street Tunnel- In operation and used by commuters ▪ CSR works Railway Parade - Ongoing use of the pit for access ▪ 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 ▪ 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 January 2021. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ 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 ▪ Loose dirt was observed on the hardstand at Gate 12 which was a potential source of windblown dust and turbidity in runoff. Post inspection evidence of close out this action was provided ▪ Some 20L drums were observed in the laydown area near Gate 12 without secondary containment. Housekeeping in the area could be improved. This was addressed during the inspection ▪ Sydney Yard: The drain near the ramp appeared to be blocked due to very slow discharge from the drain. Evidence was provided post inspection of the drain being unblocked. The concrete bund ended prior to the end of the area and provided a potential flow path down the ramp. LOR are to review the effectiveness of controls in the area during rain and report findings to the ER and SM ▪ Eastern Entrance: Four 20L drums were observed to be stored without secondary containment. Post Inspection, LOR provided evidence of storage of the drums in a plant nappy which closed the issue 	
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 complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Many of the complaints continue to be received from one complainant and related to noise from daytime and OOHs works.</p> <p>On 20 January 2021 LOR reported a diesel spill incident in the Metro Box excavation. The spill was reported by LOR to be contained in the excavation and managed by pumping water to the WTP for treatment.</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 works occurring in the immediate vicinity and installation of replacement beams under the structure ▪ Noise impacts to residents in Chalmers Street during excavations works at the Eastern Entrance and weekend possessions 	

Contract Package	Environmental Representative/s
Sydenham Station and Junction (SSJ)	Jo Heltborg
Key Construction Activities	
SSJ	<ul style="list-style-type: none"> ▪ CSR Laydown Area: Stockpiling laydown for possessions. CSR installation works had recommenced above the canal bridge ▪ Geotechnical Area: Channel drainage works during possessions. Internal fit out and cabling for the Sydney Trains signals building. Haul road in use for access to Platforms 1 and 2. Under bore planned for March 2021 ▪ Burrows Ave/ Platform 6: Station plaza/concourse works ongoing, including stormwater installation, levelling, and installation of tree pits for planting ▪ Bolton St / Hogan Ave: No active works; footpath restoration works postponed ▪ Sydenham Station, Platforms 1 and 2: Continuation of works to new station structures. Extension of new Metro Platforms 1 and 2; piling for new Platform 1 canopy ▪ Sydenham Rd triangle area: Second 132kv underbore to Sydenham Road almost complete (outage required to finish). All underbore launch and receiving pits backfilled ▪ 11 Sydenham Rd (including Garden Street): Culvert demolition almost complete. Works to Metro services building continuing. Drainage Line 50 complete. Internal haul road removed to allow for excavation for extension Metro new rail line ▪ Sydenham Pit and Pumping Station: Piling for Retaining Wall 4 along the top of the SE wall of Sydenham Pit ▪ Confluence Structure & Temporary Upstream Connection: Temporary bypass structure demolished. Ramp and drainage works continuing ▪ Bedwin Rd: Piling and track slab drainage works continuing under the Bedwin Road Bridge
ER Inspections	
SSJ	<p>There were two inspections conducted by the ER in January 2021. The key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Water barriers on either side of Gate 12A had been moved out toward Sydenham Road to allow for connection of the 132kv. ERSED controls had been removed and not replaced ▪ A gap in concrete barriers around Sydenham Pit was observed at the Confluence Area. Geofabric lining the exposed area adjacent to the spillway had come loose ▪ Shade cloth had come loose along the fence between the site and residents of the apartment on Edgeware Road
Endorsed Document/s	
SSJ	<ul style="list-style-type: none"> ▪ Consistency Assessment Radio Mast Sydenham (Sydney Metro initiated)
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-compliances for SSJ for the period. 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 January 2021:</p> <ul style="list-style-type: none"> ▪ 9/01/2021: While lifting water barriers onto the back of a hiab a seal within the hydraulic ram on the boom broke, spilling approximately 3-5 litres of hydraulic oil onto the truck and haul road. A spill kit was deployed and absorbent material applied to the spill. No oil entered the stormwater system or left site. <p>There were no complaints for SSJ reported to the ER during January 2021.</p>
Audits	
SSJ	<p>No ER involvement in audit activity including Independent Environmental Audits (IEA program).</p>
Looking Forward – Core Focus Areas	
SSJ	<ul style="list-style-type: none"> ▪ Management of ERSED controls generally, including stabilisation and tracking at the Garden Street and 11 Sydenham Road accesses ▪ Completion of station structures and noise and vibration impacts during OOHW and possessions ▪ Cumulative impacts at Bedwin Road and potential impacts to residents on Edgeware Road ▪ Implementation of the tree replacement strategy ▪ Completion of select 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"> ▪ Maintenance shed fit-out works continuing ▪ Provisional sum area – Continuing track works ▪ Landscaping works – embankment adjacent to Tallawong Rd and adjoining depot signals equipment room building (DSER) access road ▪ Roads 24-35 and test track works ▪ DSER building installations ▪ Settlement pond access road widening for rail training ▪ TSOM works continuing in DSER and trackside <p>Chatswood Dive Site</p> <ul style="list-style-type: none"> ▪ Blockwork at XPs 48-46 access down tunnel ▪ Drilling survey down tunnel ▪ Track slab construction and concrete pour up tunnel ▪ Sleeper delivery and storage <p>Northern Connection</p> <ul style="list-style-type: none"> ▪ Rip and re-compact capping full alignment ▪ Survey as required. ▪ Installation stud noise wall ▪ Swale drain construction – west side of access track ▪ On-going construction of embankment for down track slew country end ▪ Completion of ballast drainage shotcrete wall <p>Blues Point Access Site</p> <ul style="list-style-type: none"> ▪ Removal of platform erected for community day ▪ Installation of rollers for transport of rail towards Barangaroo <p>Artarmon Traction Sub-station (TSS)</p> <ul style="list-style-type: none"> ▪ Quickway continuing pile preparation, concrete pour and steel fixing on south side ▪ Chess / master cut – shaft cutting continuing <p>Crows Nest Station site</p> <ul style="list-style-type: none"> ▪ Gantry crane acoustic shed removal as agreed with in-coming ISD contractor ▪ Line Wide works complete – Handed to ISD contractor on 11/01/21 ▪ Now ISD site. To be removed from Line Wide ER inspection schedule <p>St Leonards Storage Area</p> <ul style="list-style-type: none"> ▪ Stockpile been enlarged and stabilised <p>Canterbury to Campsie Bulk Power Supply Works</p> <ul style="list-style-type: none"> ▪ Turf placement and pedestrian fencing in Pat O'Connor Reserve ▪ Trench and cable laid under stormwater channel in Lilian St <p>SW Corridor Traction Substation sites</p> <ul style="list-style-type: none"> ▪ Campsie TSS investigative potholing and preliminary soil sampling / classification <p>Surry Hills – Central Bulk Power Supply Works</p> <ul style="list-style-type: none"> ▪ Saw cut asphalt along alignment in Belmore St ▪ Trench and lay cables (15m) ▪ 60m cable laid in Surry Hills over Christmas break <p>Southern Dive & SMTF South Marrickville</p> <ul style="list-style-type: none"> ▪ Welding, flashing installation and commissioning of gantry crane ▪ Track slab completed on Up side ▪ FRP slab pour Down side <p>Waterloo Station Box</p> <ul style="list-style-type: none"> ▪ No work reported. Not inspected <p>Martin Place (Bligh St)</p> <ul style="list-style-type: none"> ▪ Moving equipment between tunnels and caverns. Not inspected 	



ER Inspections	
Line Wide	<p>For SMTF North, the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Christmas close down procedures were successful in maintaining site stability during Christmas close down when approximately 50mm of rain was recorded at the BOM site at Richmond ▪ Site clean-up works and site levelling well underway at Snake Mountain. ▪ Earthworks for landscaping works underway on northern boundary of Snake Mountain. ▪ Application of mulch adjacent to Depot Signal Equipment Room (DSER2) access road completed. ▪ Fit-out of expanded maintenance shed continuing. ▪ Fencing installation has been completed along access track/test track removing the access short cut. ▪ TSOM activities are continuing in the depot signals equipment room (DSER2) along with trackside installations. <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"> ▪ Evidence from the sites indicates that Christmas close down stabilising actions were successful in preventing sediment run-off from any sites during heavy rain over Christmas / New Year close down ▪ Chatswood Dive - track laying has commenced in the down tunnel towards city and track slab construction underway in up tunnel. Track laying activities on-going in tunnels. ▪ Northern Connection - Earthworks progressing country side of TSE bridge and capping placement city side. ▪ No further graffiti issues with recently installed hoarding along Valetta Lane. ▪ Shaft cutting has commenced at Artarmon TSS site. Hoarding along Reserve Road side remains free of graffiti. ▪ Line Wide works at Crows Nest completed. Site handed over to ISD contractor on 11/01/21. ▪ Recently installed elevator at Blues Point in operation to transport personnel and small equipment items to track level in the tunnels. ▪ Erection of overhead wire structures for upcoming down-track slew has commenced at Northern Connection ▪ Regular cleaning and sweeping of the western access of Northern Connection to Brand Street is minimising mud and dirt tracking onto Brand Street from the construction site. ▪ Recent testing of stockpiles at Valetta Lane and St Leonards has confirmed that they are not suitable for re-use on the project and will be removed from the site for disposal at an appropriately permitted location. Relocation expected end of February / Early March. ▪ Recent stockpiles at Valetta Lane have not been covered. They are located behind hoarding and acoustic curtains so they are not visually intrusive. Low risk of dust generation under current conditions. However, will require monitoring if hot, dry windy weather develops prior to permanent removal from site. ▪ Two spill management wheelie bins located in obscure / partly hidden location. Recommended that they are relocated to more visible sites to be more quickly accessed in case of an emergency. ▪ Northern Dive Site is very busy with movement of plant and machinery and delivery of critical materials to the site. Key OHS focus on awareness of movements while on site. <p>For Civil and Track Work Areas (South) the key issues discussed were:</p> <ul style="list-style-type: none"> ▪ Discuss secondary containment for Fosroc Form Release Agent (hazardous substance). SC Enviro staff to discuss requirements with Site Supervisor, where significant amount is due on site soon ▪ Ensure concrete washout bay or bins available for all concreting works, ensuring ongoing concrete waste management remains compliant <p>For Bulk Power Supply Work Areas (South) the key issue discussed were:</p> <ul style="list-style-type: none"> ▪ Trenching under around significant utilities in Lilian Lane. No damage to stormwater and sewerage utilities ▪ Site Supervisor and Engineer very wary of Community and Environmental aspects where working in the narrow residential streets of Surry Hills ▪ Post Project Signage including contact information (enquiry and complaints line 1800 number etc) on Albion St and Foveaux St approaches as a minimum, where immediately visible to community and businesses ▪ Tree Protection Controls in place for significant street trees in Belmore St, Surry Hills
Endorsed Document/s	

Line Wide	<ul style="list-style-type: none"> ▪ SCLWW Heritage Management Sub-Plan - C2B ▪ LWW-OOH-056 ▪ LWW-OOH-056 Rev05 ▪ LWW-OOH-066 ▪ LWW-OOH-066 Rev01 ▪ OOH-067 - Surry Hills BPS Investigation Works February 2021 ▪ LWW-OOH-069
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.	
Line Wide	<p>No incidents or non compliances were reported to the ER during the reporting period. A number of complaints were reported including:</p> <p>Surry Hills 33kv 13/01/21 Stakeholder expressed there was not adequate advice for the road work and signage, and was concerned this could affect food deliveries. Community Manager followed up with the Stakeholder and reassured them that the deliveries would reach the stakeholder. Site supervisor is also adjusting some of the site signage to ensure even greater clarity to delivery vehicles that they will be able to access the street.</p> <p>Northern Connection 14/01/21 Caller advised that doors and windows are rattling, and that the caller is very disturbed. Vibration monitoring was conducted at the property whilst works continued to take place. The stakeholder was advised that the vibration was caused by the vibratory roller being used on site and the interim levels measured during the attended vibration monitoring have recorded a level well below structural damage. Systems Connect Community Manager reassured the resident that the equipment is only used when necessary, and committed to providing a specific notification before this activity occurs in the future.</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"> ▪ Noise from out of hours works for Surry Hills BPS ▪ Final shaping and landscaping of Snake Mountain at SMTF North

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 installation of trackside signalling equipment ▪ Continued installation of trackside communication equipment ▪ Internal fit-out of DSER room continuing ▪ Fitting of trackside points motors (3) at Tallawong Bridge end of yard ▪ Weekend 16/17 January in Operational Control Centre only – Alstom moving cabinets into CER1 room on 1st floor via lift and stairs - 13 cabinets in total 	
Degnan OCC Works	<ul style="list-style-type: none"> ▪ Punch List commenced 	
ER Inspections		
TSOM	<ul style="list-style-type: none"> ▪ Included with SMTF North inspection on 12/01/21 	
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	▪ 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"> ▪ Water Treatment Plant (WTP) being upgraded with additional carbon filters; and replacement of filter medium in the existing filter units ▪ Construction of an internal acoustic barrier inside the Acoustic Shed to provide noise attenuation for the diesel concrete pumps soon to be installed ▪ General preparation and alterations after handover from TSE Contractor ▪ Deliveries into the shed <p>Martin Place South</p> <ul style="list-style-type: none"> ▪ Ongoing waterproof lining activities ▪ Second Tower crane installed ▪ Commencement of excavation of the pedestrian tunnel with a canopy built around the excavation area with scrubber units to extract and treat air from the working face ▪ Construction (FRP) of walls ▪ Collecting water in a sump and pumping it to the MPN 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; FRP for various items ▪ Large bulk concrete pour in cavern between MPN and MPS ▪ 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 including utility investigations and installation ▪ Handover of the site to Lendlease during the period
CN-ISD	<ul style="list-style-type: none"> ▪ Site establishment works by AW Edwards (CN ISD Contractor) – Pre-construction Minor Works ▪ Tower crane establishment – Pre-construction Minor Works
PS-ISD	<ul style="list-style-type: none"> ▪ Out of Hours Works including utility investigations and installation; hoarding installation; power supply installation ▪ Installation of tower crane footing including rock hammering ▪ Installation and commissioning of water treatment plant
WL-ISD	<ul style="list-style-type: none"> ▪ Continuing installation of waterproofing membrane ▪ Formwork, reinforcement placement and pours of base slabs and cores ▪ First lift of wall reinforcement cage undertaken and preparation for first wall pour ▪ Cranage of materials via multiple mobile cranes
ER Inspections	
MP-ISD	An ER Inspection at the Martin Place site was carried out on 28 January 2021. There were no issues raised during the inspection. Previous issues raised were closed out.
VC-ISD	No ER inspections conducted.
CN-ISD	Site visit to review location / activities of proposed Pre-Construction Minor Works
PS-ISD	No ER inspections conducted.
WL-ISD	<p>There were two inspections conducted by the ER in January 2021. The key issues raised at these inspections were:</p> <ul style="list-style-type: none"> ▪ Awareness signage installed around Waterloo Congregational Church heritage structure ▪ First lift of wall reinforcing steel last Saturday. Noise monitoring will be undertaken during the first



	<p>Evening OOH as approved in OOHWA</p> <ul style="list-style-type: none"> ▪ Observe lifting activities and use of air horn to warn adjacent workers. Horn noise not likely noticeable at ground level ▪ Cleaning out turkey's nest sump adjacent WTP. JHG report waste going offsite to licensed waste facility with dockets to be collected. Radar level indicator installed over sump for additional warning system ▪ JHG Enviro Coordinator responded to high level alert for tanks overnight with recent rain. No overflow offsite from turkey's nest ▪ Site staff sweeping up site after recent rainfall overnight. Puddle pumps used to collect water and direct to site sumps, which transfer to water treatment plant ▪ Systems Connect water (tunnel water) pumped from "fish-tank" at end of tunnel to site sump, and up to WTP for treatment. Arrangement to switch off tunnel water pumps during high rainfall events ▪ Tonal alarm on scissor lift. Ensure compliant non-tonal alarms used on regularly used plant ▪ Undertake removal and appropriate disposal of rainwater and curing compound chemical in bund ▪ Investigate foaming observed at WTP outlet
Endorsed Document/s	
ISD- Martin Place	<ul style="list-style-type: none"> ▪ OOH69 Water Proofing ▪ OOH71 Bligh Street Franna Use
VC - ISD	<ul style="list-style-type: none"> ▪ OOH7 Site Mobilisation works Rev 1 adjusted for additional nights to 10pm only
CN - ISD	<ul style="list-style-type: none"> ▪ CEMP Rev C ▪ Groundwater Management Plan Rev C ▪ Construction Heritage Management Plan Rev C ▪ CN-PCMW-003 Installation of Waterproofing Rev C
BS - ISD	<ul style="list-style-type: none"> ▪ TfNSW 43 - Consistency assessment - Barangaroo chilled water cooling
PS-ISD	<ul style="list-style-type: none"> ▪ OOH4 Hoarding and site shed install ▪ OOH12 Temp Power Supply ▪ OOH10 Site shed install Extension of dates ▪ OOH4 Hoarding and site shed install Revised ▪ OOH10 Site shed install Extension of dates Rev 1.2
WL-ISD	<ul style="list-style-type: none"> ▪ OOHWA #09 January Works Rev A.2 ▪ OOHW #10 February OOH Work Rev A
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/events were reported including:</p> <ul style="list-style-type: none"> ▪ Regarding out of hours works for utilities on Miller St that required saw cutting and hammering of concrete ▪ Relating to mesh installation – this also related to damage to the basement wall of 65 Berry Street. Works were re-scheduled to Saturday to reduce impacts on occupants. ▪ Worker behaviour.
CN-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 number of complaints regarding road/footpath closures and property access ▪ A complaint regarding no prior warning to pedestrian / vehicle closure ▪ A complaint regarding access to Stakeholders usual car park space was temporarily blocked by tower crane jib, in exceedance of times notified
PS-ISD	<p>Complaints/events reported during January related to:</p> <ul style="list-style-type: none"> ▪ An emergency alarm triggered at the site during night time. This was reported as an event on CPB incident reporting system ▪ OOHWs hoarding installation and utilities works (various complaints received). One complaint was in relation to a hammering noise (potentially a hand held hammer). Hand tools were approved in the

	<p>OOHs Application.</p> <ul style="list-style-type: none"> Vibration – not related to CPB works on site <p>On 19 January hammering noise was observed by the Acoustic Advisor prior to 8:00am. Further to this it became evident that consultation was yet to be completed under Condition E38 to consult with the community regarding respite periods. CPB have moved to using the TSE agreed respite periods which excludes high noise activities prior to 8:00am until the consultation is complete.</p> <p>There were no incidents reported by CPB during the period that met the definition of an incident under the project Approval.</p>
WL-ISD	<p>One previously reported event has had its report finalised:</p> <ul style="list-style-type: none"> Turkey's nest overtopping Incident occurred 22 December 2020. Incident reported to EPA Pollution Line (and SM / ER), Sydney Metro advised DPIE 22/12/2020. Report provide to SM /ER 28/01/2021 <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"> Few complaints from one resident opposite site on Wellington St regarding traffic controllers and noise from traffic controller leaving site
Audits (specific to packages reported in this report)	
MP –ISD	<ul style="list-style-type: none"> Audit Report of EHS Plan was completed and submitted to DPIE by the ER as required by DPIE Approval of the Plan.
Looking Forward – Core Focus Areas	
MP –ISD	<ul style="list-style-type: none"> Noise and Vibration from excavation of the Pedestrian Tunnel beneath 50 Martin Place.
VC - ISD	<ul style="list-style-type: none"> Noise from out of hours works such as for utilities.
CN - ISD	<ul style="list-style-type: none"> The establishment of site and commencement of works (Pre-construction Minor Works), and compliance with consultation and monitoring obligations.
PS - ISD	<ul style="list-style-type: none"> Noise from out of hours works for hoardings; power supply and crane installation.
WL-ISD	<ul style="list-style-type: none"> Noise from out of hours works for crane installation

Contract Package	Environmental Representative/s
Sydenham to Bankstown Sydney Metro Early Works (SMEW)	Jo Heltborg
Key Construction Activities	
SMEW	<ul style="list-style-type: none"> Ewart Street and Laydown, Garnet Street, Ness Avenue: Combined Services Route (CSR) and security fencing installation continuing in the corridor to the countryside and cityside of Garnet Street Church Street, Minter Street, Hutton Street: CSR and security fencing installation continuing alongside the pedestrian pathway Canterbury Station, Canterbury Road, Charles Street (part near Canterbury Station): Sydney Trains service relocations – no active works Retaining Wall 1 (RW1), Cooks River: Significant growth of Japanese millet observed on the batters. Security fencing is mostly complete Retaining Wall 2 (RW2): Vegetation growth observed on seeded embankments, swale lined with jute matting and seeded. Turf laid on Cooks Riverbank and controls remove Retaining Wall 3 (RW3), Wairoa Street, Nowra Street, North and South Parade, Charles Street (near bridge): Haul road established for the extension, topsoil stripped, and material imported to fill the batter. Bulk earthworks to form railway embankment continued. Piling for CSR. Stockpiling of imported fill and DGB
ER Inspections	
SMEW	<p>There were two inspections conducted by the ER in January 2021. The key issues discussed were:</p> <ul style="list-style-type: none"> Now that the batter stabilisation works have been competed in RW1 and the stockpiles removed, an old tree stump remains in the access track Sediment fencing required repair in some locations Newly laid turf on the bank of the Cooks River had turned brown after extreme heat during the long weekend. Controls had been removed. A drainage grate on top of the swale was surrounded by unsealed earth and unprotected ERSED controls had come loose under the rail bridge on Wairoa Street
Endorsed Document/s	
SMEW	<ul style="list-style-type: none"> SMEW CEMP Rev11

	<ul style="list-style-type: none"> ▪ SMEW CSWMP Rev09 ▪ SMEW CNVMP Rev09 ▪ SMEW CHMP Rev09
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	<p>The ER is not aware of any non-compliances 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 were no complaints during January 2021 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 ▪ Monitoring of stabilisation and vegetation growth during restoration, e.g. seeding and ecoblanket on batters and jute matting on swale ▪ Tracking onto public roads and stabilisation of haul roads and exits during wet weather ▪ Maintenance of ERSED controls ▪ Tree protection

Contract Package	Environmental Representative/s
Sydenham to Bankstown Sydney Metro Corridor (SMC)	Jo Heltborg
Key Construction and Low Impact Works Activities	
SMC	<ul style="list-style-type: none"> ▪ The following activities have been conducted under the Minor Works Approval PCMWA-01: <ul style="list-style-type: none"> ○ Survey ○ Geotechnical / contamination assessments ○ Installation of erosion and sediment control devices ○ Clearing grasses and weeds ○ Asbestos picks ○ Service searching & CCTV ○ Temporary fencing installation ○ Vegetation protection ○ Laydown ○ Supporting activities (water cart, street sweeper, etc.) ▪ The following activities have been conducted under the Minor Works Approval PCMWA-02: <ul style="list-style-type: none"> ○ Sydney Trains Service Relocation at Dulwich Hill, Hurlstone Park, Wiley Park and Punchbowl.
ER Inspections	
SMC	There were no inspections conducted by the ER in January 2021.
Endorsed Document/s	
SMC	<ul style="list-style-type: none"> ▪ SMC - CSWMP Rev03 ▪ SMC - CNVMP Rev02 ▪ SMC - CHMP Rev04 ▪ SMC - VAMP Rev02
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 SMC.	
SMC	<p>The ER is not aware of any non-compliances for SMC for the period.</p> <p>There were no incidents for SMC reported to the ER under conditions A36 of SSI 8256.</p> <p>There were no complaints during January 2021 related to the SMC works.</p>
Audits	

SMC	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).
Looking Forward – Core Focus Areas	
SMC	<ul style="list-style-type: none"> ▪ Approval of CEMP and Sub-plans ▪ Approvals of Pre-Construction Minor Works Approvals ▪ Monitoring compliance with the above approvals ▪ Preparation of plans to meet Conditions of Approval, e.g. Tree Report, UMS, CTMP, Dilapidation reports

Contract Package	Environmental Representative/s
Sydenham to Bankstown Marrickville, Canterbury & Lakemba Station Upgrades (MCL)	Jo Heltborg

Key Construction / Low Impact Works Activities	
MCL	<ul style="list-style-type: none"> ▪ Non-intrusive service searching and road and structural dilapidation surveys being conducted under a Minor Works Approval PCMWA-001 ▪ Investigation of sites for the proposed establishment of site offices, compounds and laydown areas; preparation of associated approval documents etc

ER Inspections	
MCL	There were no inspections conducted by the ER in January 2021.

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

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

MCL	The ER is not aware of any non-compliances for MCL for the period. There were no incidents for MCL reported to the ER under conditions A36 of SSI 8256. There were no complaints during January 2021 related to the MCL works.
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Audits	
MCL	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).

Looking Forward – Core Focus Areas	
MCL	<ul style="list-style-type: none"> ▪ DPIE review and approval of CEMP and Sub-plans ▪ Approval of Pre-Construction Minor Works Approvals ▪ Monitoring compliance with the above approvals ▪ Preparation of plans to meet Conditions of Approval, e.g. Tree Report, UMS, CTMP, Dilapidation reports

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	
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	
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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.
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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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