

A.C.N. 003 270 693

Suite 2.06, Level 2 29-31 Solent Circuit Norwest NSW 2153

Tel: 61 (02) 9659 5433 e-mail: <u>hbi@hbi.com.au</u> Web: www.hbi.com.au

2 March 2021 Ref: 170108-ER_DPIE-FEB-21

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

Dear Rob

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

A.B.N. 39 003 270 693

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

- Condition A24 (I) 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 **February 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), the early works for Marrickville, Campsie and Lakembla (MCL), Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW), and Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP)
- Relevant Sydney Metro Retained Obligations and Activity

Yours sincerely

Jo Robertson Environmental Representative Cc: Sydney Metro: Carolyn Riley, Fil Cerone, Ben Armstrong, Pam Tummers, Simon Fisher, Andrew Hendy, Tim Solomon Ann Paterson, Julia Diamond, Chris Berg, Chris Dickson AA: Dave Anderson Contractors: Stuart Anstee (TSE), Lucas Dobrolet (Central), Jason Ambler (MPISD and VCISD), Sally Reynolds (WLISD), Andrew Zvirzdinas (Pitt St ISD), Matt Billings (LWW/TSOM), Daniel Keegan (SSJ, SMEW, SMC), Brad Cole (Package 4 MCL), Gareth O'Brien

(Package 5 – HBW and Package 6 - DCP)

DPIE Compliance: Portal, Compliance Email, Alex McQuirk; Rob Sherry

DPIE Post Approvals: Matthew Todd-Jones, Rebecca Eddington, Shelley Reed, Grant Brown

IEA: Larry Weiss, Julie Dickson

Contract Package		Environmental Representative/s	
	Station Excavation (TSE)	Michael Woolley	
Key Constru	Key Construction Activities		
TSE	Marrickville stabling yard:		
-	 Backfilling of new culverts and redundant stormwater canal 		
	 Removal of bridges over former culvert 		
	 Removal of concrete slab by hammering for future 	drainage; installation of drainage at the southern	
	site boundary.		
	Form Reo Pour (FRP) and drainage chamber tie-i	n works at Murray Street, generally complete at	
	Sydney Steel Road (Cherrie Civil)		
	 Spoil and concrete removal and import of sandstone 	e for backfill stored in large stockpiles	
	Barangaroo Station:		
	 Water Treatment Plant (WTP) operating 		
	 Ongoing FRP for slabs and walls, stair installation in 		
	 Construction of plenum structure in crossover caver 	'n	
	 Laydown areas for steel and equipment 		
	 Foreshore re-establishment works ongoing with landscaping and light note facting installation 	backfilling of soil in areas to be planted for	
	 landscaping and light pole footing installation IHCPBG have taken over an extra portion of land (1122) providually accurring by Landlance Additional	
	 JHCPBG have taken over an extra portion of land (controls to be implemented to this area 	H23) previously occupied by Lendlease. Additional	
ER Inspectio			
TSE	There were two ER inspections carried out during the mo	onth Issues identified during the inspection	
102	included:	onthin isoues identified during the inspection	
	 Marrickville Stabling Yard: Permanganate (a water t 	reatment chemical) was leaking out of the	
	drainage pipe secondary containment unit for the IE		
	being directed back to the WTP		
	 A drum was stored in the WTP area without second. 	ary containment	
	 Much of the batter has been excavated adjacent to 	the Retaining Wall on the southern boundary of	
	the site. This area appears to have a large catchmer	nt and there is a risk runoff could be directed	
	towards the boundary where it could flow offsite. J	-	
	similar to retain water on site and slow flows to the	-	
	 Barangaroo: A 20 L container was observed to be stored 		
	The action was to remove the container or store it in	n a suitable area with secondary containment	
Endorsed D			
TSE	Stormwater and Flooding Management Plan (post A	nnual review with no changes)	
•	/ Incidents / Non-compliance		
TSE	It is understood that Sydney Metro has been providing s		
	to each complaint have been noted in each complaint re		
	often defined in revised reports. The number of complaints has continued to remain very low on a		
	monthly basis as site works occur in just two locations and are generally less obtrusive than previous works. There were no incidents reported by JHCPBG as defined by the project approval definition for		
	incidents under condition A41.		
Audits (spe	(specific to packages reported in this report)		
	onducted within the reporting period		
	ward – Core Focus Areas		
TSE	 Water and ERSED management at the Marrickville s 	tabling yard given the large surface area, new	
	stormwater pits and remaining open culverts.		
	 ERSED management at landscaping works on wharf 	areas at Barangaroo	

Contract Package		Environmental Representative/s
Central Stat	tion	Michael Woolley
Key Construction Activities		
Central Station	 Metro Box - Truck movements; spoil excares excavation and construction activities. Stabelow tunnel level with tunnel sections in WTP on the surface. Central Walk – Excavating for Central Waa installing new concrete beams undernea 23. Excavating within hoarded work zone excavation during rail possession weeker Sydney Yard - Water Treatment Plant Op loadout of excavated material from othe building support under the CEB as part o under the CEB. Various other activities. W Eastern Entrance - Excavation ongoing in of wall of Dental Hospital. Devonshire Street Tunnel- In operation a CSR works Railway Parade - No works be SYAB: Ongoing used of the bridge for acconstruction and the area. Works behind hoarding not installed to the second to the sec	eration; truck access; laydown. Stockpiling, processing and r areas of site such as platforms and Eastern Entrance. of the slab adjacent the CEB building. Installation of temporary f works to remove the wall and replace columns and beams Vorks on the canopy. sandstone. Wall support as required including shot-creting and used by commuters. ing undertaken. ress. talled and in use by pedestrians to allow for further works in
ER Inspection		
Central Station	 There were two ER inspections conducted in were: An IBC containing oil was observed un-be oil to the ground in small quantities. Spill kits were observed to have material addressed this issue at the time of the in A high sediment load was noted at the d 	February 2021. The key issues raised at these inspections unded in the Yard. It had a 20L container on it which had spilt s stored on them and used for props for working. LOR spection by removing the items. rain above the ramp to track 18. It is considered that ERSED to treat run-off water prior to discharge off site and that LOR
Endorsed D	ocument/s	
Central Station	 Nil this reporting period 	

ance/Incidents or Repeat Complaints
 ance/ Incidents or Repeat Complaints 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. On 2 February LOR reported that the Water Treatment Plant (WTP) discharge slightly exceeded criteria for pH (maximum pH level 9.19 compared to an EPL criteria of 6.5 to 8.5). The exceedance was initially reported to the EPA and details provided via email on 4 February 2021. Further information has been requested by the EPA. LOR reported that the water was being discharged to EPL licence discharge point 2 (land) at the time and that the cause is under investigation. LOR reported that on the 5th of February 2021 a complaint was received from 54 Regent Street, regarding trucks leaving site with tarps not closed. LOR indicated this event would be reported as a non-conformance with project requirements. LOR reported that an incident occurred on the 4th of February 2021 comprising a diesel slick observed in south east tunnel sump in the Metro Box after refuelling. LOR reported that the leak came from the connection at the nozzle for the diesel fuel line from the tank on the traffic deck to working areas and that that this has since been fixed; the area cleaned up; and the spill contained. LOR reported that no migration beyond site boundary was observed.
LOR reported an incident that occurred on the 16th of February 2021, where small amounts of diesel were found pooling in water on the eastern side of the north south concourse adjacent to an excavation access point. LOR reported that a collective insight meeting was held on 22/02/2021 in response to the number of recent refuelling/spill incidents. LOR reported that the spill was contained and that no migration beyond the site boundary was observed.
No audits were conducted during the reporting period.
ward – Core Focus Areas
 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		e	Environmental Representative/s
Sydenham Station and Junction (SSJ)		on and Junction (SSJ)	Jo Heltborg
Key Con	Key Construction Activities		
SSJ		Geotechnical Area: Sydney Trains signals installation (including underbore) and ret and 2. Burrows Ave/ Platform 6: Station plaza w Bolton St / Hogan Ave: Footpath restorat Sydenham Station: Continuation of works and 2. City-side of Sydenham Station succ Sydenham Rd triangle area: All underbore Sydenham Road complete via Gate 12A. 11 Sydenham Rd (including Garden Street new trackwork underway. Construction of place for canopy lifts. Sydenham Pit and Pumping Station: Piling wall of Sydenham Pit.	s to the station concourse. Construction of Metro Platforms 1 cessfully handed over to the Stations Team. e launch and receiving pits backfilled. 132kV connection to t): Culvert demolition complete; Excavation and backfill for of Metro Services Building (MSB) continuing, with cranes in g and construction of Retaining Wall 4 along the top of the SE
	•	wall of Sydenham Pit. Confluence Structure and Temporary Ups	stream Connection: Infill works ongoing.

	 Bedwin Road: Continuation of track slab drainage works. 		
	 Way Street (South) Laydown: Materials storage. 		
	 Way Street (North) Laydown: Stockpiling of spoil. 		
ER Inspectio	ons		
SSJ	There were two inspections conducted by the ER in February 2021. The key issues discussed were:		
	 Incompatible storage arrangement for hazardous chemicals. 		
	 Covering of stockpiles. 		
	 Previous tree impact and condition monitoring. 		
	 Management of concrete slurry. 		
	 Erosion and sediment control management, particularly at 11 Sydenham Road, Gate 12A and work 		
	areas around Sydenham Pit.		
Endorsed D	ocument/s		
SSJ	 SSJ VAMP Rev06 		
	 SMCSWSSJ-JHL-WSS-EM-REC-000013 - SSJ-PACA-010 - Edgeware Road Gate 1 Relocation - Rev01 		
Non-compli	ance/ Incidents or Repeat Complaints		
Sydney Met	ro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each		
complaint h	ave been noted in each complaint report, with follow-up actions often defined in revised reports. Key or		
repeat item	s of note are discussed below for SSJ.		
SSJ	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.		
	There was one minor Class 3 environmental incident reported to the ER during February 2021:		
	 10/02/2021: Spill of solvent/primer (<5L) to ground. Spill was cleaned up using a spill kit. 		
	There were no complaints for SSJ reported to the ER during February 2021.		
Audits			
SSJ	 24/02/2021: SSJ/SMEW JHLOR Internal EMS Audit 		
Looking For	Looking Forward – Core Focus Areas		
SSJ	Management of ERSED controls generally, including stabilisation and tracking at the Garden Street and		
	11 Sydenham Road accesses		
	 Completion of station structures and noise and vibration impacts during OOHW and possessions 		
	 Cumulative impacts at Bedwin Road and potential impacts to residents on Edgeware Road 		
	 Implementation of the tree replacement strategy 		
	 Completion of selected Conditions of Approval 		

Contract Package		Environmental Representative/s	
Line Wide (Tallawong to Bankstown)		Peter Hatton (North) / George Kollias (South)	
Key Constru	Key Construction Activities		
Line Wide	SMTF (North)		
	 Maintenance shed fit-out works continuir 	ng	
	 Continuing track works 		
	 Landscaping works – embankment adjace 	ent to Tallawong Rd and adjoining depot signals equipment	
	room building (DSER) access road		
	 Roads 24-35 and test track works. 	Roads 24-35 and test track works.	
	 DSER building installations. 		
	 Test / training track established and operation 	Test / training track established and operating	
	 TSOM works continuing in DSER and track 	TSOM works continuing in DSER and trackside.	
	Chatswood Dive Site		
	 Blockwork at XPs 48-46 access down tunn 	Blockwork at XPs 48-46 access down tunnel	
	 Track laying 	Track laying	
	Drilling survey down tunnel		
	 Track slab construction and concrete pou 	Track slab construction and concrete pour up tunnel	
	 Sleeper delivery and storage 	Sleeper delivery and storage	
	 Rail threading and jewellery UP tunnel 	Rail threading and jewellery UP tunnel	
	 Epoxy pads / jacks stripping Northern Div 	Epoxy pads / jacks stripping Northern Dive	
	Form and set moulds 12m infill UP tunnel		

HBI

	 Trial slab pour Chatswood Yard 		
	 Sleeper defect sorting on-going 		
	 ULX repairs UP tunnel behind threader 		
	 Modify cross passage stairs 48, 52 and 56 		
	 Electrical works Jet fan DN cross passage 58 		
	 Gantry cranes have been installed in acoustic shed at Dive Site 		
	Northern Connection		
	 Installation of GST ongoing 		
	Swale drain construction – west side of access track		
	 On-going construction of embankment for down track slew country end 		
	 Erection of overhead wires stanchions, sleeper unloading and ballast installation 		
	 Ramp excavation 		
	 Cable termination Drake Street 		
	Blues Point Access Site		
	 Removal of materials from tunnel 		
	 Planning for re-establishment of beach access 		
	Artarmon Traction Sub-station (TSS) • Excavation segregation and removal of materials		
	 Excavation northern capping beam Isint angling of helicat normals 		
	 Joint sealing of ballast panels St Leavende Stevende Avenue 		
	St Leonards Storage Area		
	 Stockpile management 		
	Canterbury to Campsie Bulk Power Supply Works		
	 Stabilise and secure work areas in Pat O'Connor Reserve until bridge works commence 		
	SW Corridor Traction Substation sites		
	 Establishment of Belmore Compound to support TSS works 		
	Surry Hills – Central Bulk Power Supply Works		
	 Day-time excavation and cable laying in Albion Way and Bellevue St, Surry Hills 		
	 56-hour Out of Hours Shutdown on Foveaux St, Surry Hills including saw-cutting road, trenching and 		
	cable laying for approximately 50 metres		
	 Albion St Compound (Minor Ancillary Facility) continues to be used at the start of Albion St 		
	Southern Dive & SMTF South Marrickville		
	 Gutter installation, electrical and commissioning of gantry crane 		
	 FRP for Down side track slab continuing 		
	 ULX repair @ Up Tunnel XP 2&3 		
	 Sleeper deliveries 		
	Waterloo Station Box		
	 No work reported. Not inspected 		
	Martin Place (Bligh St)		
	 No work reported. Not inspected 		
ER Inspectio	tions		
Line Wide	For SMTF North , the key issues discussed were:		
	 Test/training track has been established at Snake Mountain. This has resulted in additional stockpiling 		
	and delays in final shaping and landscaping		
	 Road sweeping has been effective in removing silt deposits from roadside gutter. On-going 		
	management of mud tracking required to prevent tracking onto Tallawong Road		
	 Earthworks for landscaping works underway on northern boundary of Snake Mountain. Mulching has 		
	been undertaken and planting now awaited		
	 Application of mulch adjacent to Depot Signal Equipment Room (DSER2) access road completed. 		
	 Fit-out of expanded maintenance shed continuing 		
	 TSoM activities are continuing in the depot signals equipment room (DSER2) along with trackside 		
	installations		
	For Chatswood Dive Site, Northern Connection, Blues Point Access Site, Artarmon TSS, and St Leonards		
	Storage Area the key issues discussed were:		
	 Erection of overhead wire structures for upcoming down-track slew on-going at Northern Connection 		

	 Excavation underway to construct trough connecting tunnel portal with current terminus of Metro North West
	 Stairway connection between track level and street level demolished
	 Track laying activities on-going in tunnels
	 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
	 Chatswood dive water treatment plant sludge cake storage is nearing capacity. Activities to remove from site should start soon
	 Some waste storage bins at Dive Site full or close to full and removal replacement required Street cleaning active at Artarmon TSS site. With daily truck movements entering and exiting of site
	this remains an on-going requirement
	 St Leonards stockpile appears to be nearing maximum capacity. Systems Connect (SC) advised stockpile is scheduled to be removed from site within the next few weeks
	For Civil and Track Work Areas (South) the key issues discussed were:
	 Existing vegetation and roofing for Site Sheds (to be installed) will provide some screening/privacy for residents at the Belmore Compound
	 Check direction of run-off and possible entrainment of sediment down fence line with adjacent residential property at Belmore Laydown Area
	 Establish tree protection for Casuarinas along fence to prevent impact by plant movements at Belmore Laydown Area
	 Discuss potential sediment flow to railway cess drain at Belmore Compound
	• SC report they have identified and in the process of replacing tonal movement alarm for a non-tonal
	alarm (quacker) on JCB Telehandler H108843 onsite at Southern Dive
	 Site gate in satisfactory condition with wheel-washing
	 Minor clean-up and maintenance of concrete washout at Southern Dive
	 Management of dewatering to prevent contamination of site
	For Bulk Power Supply Work Areas (South) the key issues discussed were:
	 ERSED at end of Anzac St Temporary fencing installed around site with noise attenuation blankets placed on fencing
	 Temporary fencing installed around site with noise attenuation blankets placed on fencing Rubber-tracked excavator used to prevent damage to road and reduce noise. It was observed that
	non-tonal alarms were being used on excavator and vans used onsite. Trucks parked and not in use
	had engines switched off
	 Attended noise monitoring for saw-cutting was undertaken at the start of the activity to verify levels
	against assessment, as per OOH assessment and approval
	 Clean-up spilt diesel at Site Compound generator and review refuelling process to prevent further spills
	 Review sweeping / cleanliness of road surface during pack-up of sites in local roads of Surry Hills during day-works
Endorsed Do	
Line Wide	 WW-OOHW-068 - Surry Hills BPS Foveaux Street 56hr Weekend Shutdowns Rev B
	 TfNSW 33 - Consistency Assessment - BPS Routes to Artarmon and Waterloo SS Version 1.6
	 OOH-073 Surry Hills BPS Night Works March 2021 Rev B
Non-complia	nce/ Incidents or Repeat Complaints
	o has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each
-	we been noted in each complaint report, with follow up actions often defined in revised reports. Key or
	of note are discussed below for the respective projects.
Line Wide	No non-compliances were reported to the ER during the reporting period. Nil complaints were reported.
	One minor incident reported:
	 Fuel leak at the Surry Hills BPS site compound generator, which was identified during the ER
	Inspection on the night of 12/02/2021
	An Unexpected Heritage Find was identified on 23/02/21. While potholing services potential artefacts, including bones, were uncovered. External notifications undertaken, including NSW Police. Heritage
	Director (AMBS) inspected the finds and identified the bones as animal bones and European artefacts as
	not of heritage significance, advising that the find is likely to be a refuse pit. Project Environment Manager advised SM Environment Manger and Project Manager of clearance to recommence works. Excavation

	Director remained on site to supervise potholing works and to remove and collect other items (of European heritage) being unearthed. Project archaeologist returned the following day to supervise remaining investigations works.		
Audits			
Line Wide	 ER involvement in audit activity including Independent Environmental Audits (IEA program) as follow: Independent Audit Inspection 12/02/21- Surry Hills BPE 56 hr Shutdown on Foveaux St, focussing on traffic management and Noise / vibration aspects of the Out of Hours works Independent Audit Desktop 25/02/21 - Business Management Strategy; Discuss targeted mitigations for business receivers with Community Manager; Audit of Traffic Management processes with Traffic Manager; and, Environmental noise and vibration 		
Looking For	Looking Forward – Core Focus Areas		
Line Wide	 Noise from out of hours works for Surry Hills BPS 		
	 Reporting of Unexpected Heritage Finds 		
	 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		
SMTF(N)	 N) Electrical mechanical, mechanical, fire, hydraulics works Interface works to the existing OCC Facility Punch list of works of trackside communication equipment. Internal fit-out of DSER2 room completed Possession Work: Mid-week 7/02 to Friday 12/02 – TSOM works: 	
Degnan • OCC Works •	Alstom continuing working in DSER on cabinet installation and cable terminations.	
ER Inspections		
TSOM •	 Inspection on 23/02 was the second and final ER inspection for the site. The site is being managed in accordance with the Degnan Environmental Management Plan – OCC Expansion & Fitout Works OTS2. In particular, implementation of the following aspects were observed: 10.3 – Traffic management; 10.4 – Pedestrian access; 10.5 – Vehicle and plant storage 10.7 – Oil, fuel & chemical handling, storage or transport 10.12 – Amenities 10.11 – Trenching and excavation 10.12 – Amenities 10.13 – Dust management 10.15 – Water and Sediment Control 10.17 – Waste management 10.20 - Housekeeping Bingo bins are on-site for waste management. Worker vehicles are parked within designated areas. The works are of low environmental risk and well contained within the MTS site. 	

Endorsed Document/s		
TSOM	 Nil this reporting period 	
Non-complia	ance/ Incidents or Repeat Complaints	
Sydney Metr	o has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each	
complaint ha	ave 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 Pa	ackage	Environmental Representative/s	
Martin Place ISD Macquarie Bank/Lend Lease		Michael Woolley/ Rui Henriques	
Victoria Cross ISD (VC-ISD) - Lend Lease		Michael Woolley/ Rui Henriques	
Crows Nest ISD – Sydney Metro		George Kollias	
Waterloo ISD – John Holland		George Kollias	
Pitt Street	ISD - CPB	Michael Woolley/Rui Henriques	
Key Constr	uction Activities		
MP-ISD			
	 Concrete pumps running inside acoustic t 	reated area with ducting of air to outside the shed	
	 Water Treatment Plant is running with ne 	w filter mediums and upgrades	
	Martin Place South (MPS)		
	 Deliveries and placement of gravel as a fil 	ter layer using Bark Blower truck	
	 Ongoing waterproof lining activities of ship 	aft walls	
	 Ongoing excavation of the pedestrian tun 	nel with a canopy built around the excavation area with	
	scrubber units to extract and treat air from	m the working face. Excavation by rock hammer and rotating	
	head; Roadheader delivered to site but no	ot yet operating	
	 Construction Form Reo Pour (FRP) of wall 	s and floor slabs	
	 Collecting water in a sump and pumping i 	t to the Martin Place North site	
	 Other general construction activities. 		
	Martin Place North (MPN)		
	 Loadout platform being used for deliverie 	S	
	 Various work activities in the base of the 	excavation such as footing construction; conduit installation	
	FRP for various items; slip form assembly		
	 FRP for bulk concrete in cavern between 	MPN and MPS	
	 Ongoing set up for multi-layered site sheet 	ds on the blinding slab in the base of the shaft	
	 Waterproof lining installation 		
VC-ISD	Victoria Cross North		
	 Site establishment activities including B C 	lass hoarding installation; pruning of some trees around the	
	site; installation of site sheds; placement	of concrete hardstand at the northern end of the site	
	 Set up of concrete pumps 		
	 Ongoing Water proofing of shaft walls 		
	 Stabilisation of shaft walls with netting an 	nd removal of loose rock	
	 Water management with water being pur 	nped to the shaft and to Line Wide pipes leading to	
	Chatswood		
	Victoria Cross South	toria Cross South	
	 Concrete saw operating at time of inspect 	Concrete saw operating at time of inspection.	
	 FRP for footpath on Miller Street. 		
		on Berry Street and Miller Street road and footpaths.	
	 Hoarding graphics installation on Denison 		
	 Stabilisation of shaft walls with netting; contact 	oncrete and removal of loose rock.	
	 Detailed excavation for footings. 		
	 Stockpiling of waste concrete and spoil or 		
	 Storage compound on Miller Street behind ATF fencing. 		

	Station Cavern
	 Installation of ventilation units on roof of cavern.
	 FRP works on platforms in south.
	 Laydown area in cavern floor.
	 Line wide contractors working in tunnels to south of the cavern.
CN-ISD	Pre-construction Minor Works
CN ISD	 Site establishment works
	 Establishment of the Logistics Lane along Pacific Highway boundary
	 Ustablishment of the Logistics Lane along Fache righway boundary Waterproofing
	 Detailed Excavation – Trial Period
	DPIE approval was 24 th February. Commencement of construction 26 th February 2021
	Works as above in accordance with approved CEMP and Sub-Plans
PS-ISD	Pitt Street South:
	 Excavation for services; footings and the tower crane
	Removal of spoil using crane mounted in the base of the shaft
	 Loading trucks on Pitt Street
	 Concrete deliveries from Bathurst Street
	 FRP works in footings etc
	 Water proofing of walls
	 Water management and operation of water treatment systems as required
	Adits and Platform Caverns:
	 Air ventilation units operating.
	 Construction of the platform in the western cavern.
	Pitt Street North
	 Excavation for services; footings and tower cranes, construction of the tower crane footing
	 Stockpiling of concrete and sandstone spoil on site
	Concrete deliveries
	 FRP works in footings
	 Water proofing of walls
	 Water management and operation of water treatment systems as required
WL-ISD	 Continuing installation of waterproofing membrane
	 Formwork, reinforcement placement and pours of base slabs and cores
	 Formwork, reinforcement placement works for Wall Pour 1
	Tower crane installed
	 Cranage of materials via mobile cranes and southern tower crane
	 Replacement Alimak personnel lift in place and operational
ER Inspect	
MP-ISD	There were two inspections conducted by the ER in February 2021. There were no issues raised during the
	inspections. Previous issues raised had been closed out.
VC-ISD	There were two inspections conducted by the ER during February 2021. The key issues raised at these
	inspections were:
	 VCN: At the time of inspection water was being pumped from a low point to the area of council land
	that contains two large fig trees immediately adjacent the site. There was no permit for this activity
	and there was no knowledge of this activity from the Construction or Environment personnel on the
	inspection. The activity was stopped at the time of the inspection. Post inspection Lendlease indicated
	that this was being treated as an Incident and required a report to be prepared by their contractor
	Delta
	Volt me dred where the consister pamp is located was not contained, and watch nom the area was
	entering a conduit in the concrete and coming out down the road to McLaren Street. While it is noted
	there is some containment at the driveway entrance, best practice is to ensure there is containment of
	the wastewater at source
011:07	VCN: Water had accumulated in the drain at McLaren Street and required pumping out
CN-ISD	There was no inspection conducted by the ER in February 2021
PS-ISD	There were two inspections conducted by the ER in February 2021. The key issues raised at these
	inspections were:

	 PSS: A concrete truck was idling immediately adjacent the entrance to the Edinburgh Hotel. There was no apparent need for the truck to be idling, particularly when the agitator was not turning. PSS: Linked to the above; there is a longer-term issue of noise impacts to the Hotel given CPB advised
	concrete deliveries and pumps would be regularly using this location
	 PSN: A Manitou was observed to have a tonal movement alarm. Alarms on plant at the site should be non-tonal
	 It was considered there remains a risk of spills from the outlet of the water pumping pipe as there is
	no local shut off valve at street level
	Some water treatment chemicals were not provided with secondary containment at the North Shaft.
	Housekeeping in the area could be improved
	CPB has been responsive in closing out actions raised.
WL-ISD	There was one inspection conducted by the ER in February 2021. The key points raised at these inspections
	were:
	 Hazardous Substances bunding and storage audits undertaken on sub-contractors. Bunds found to be satisfactory
	 Noise observations include constant low-pitch hum from generator temporarily onsite for Tower
	Crane and replacement Alimak personnel lift is noticeably quieter than previous one, with less rattling
	panels
	 Tonal Alarms (Beepers) used on multiple items of plant in use onsite. Ensure regularly used plant use
	non-tonal movement alarms. Review systems regarding Plant Acceptance / Pre-start Checklists
	 JHG reported as an Action Close-out from the previous ER Inspection, that DMG have tagged out an
	EWP identified with the beeper, stating this has been removed to the surface and scheduled to be
	demobbed from site. The same EWP S32117 remains onsite a fortnight later and was being used for EWP training on the surface of site during this ER Inspection (11/02/21). Advise follow-up actions and
	determine if non-compliance
	 JHG reviewed the observation of foaming at the outlet of the WTP by undertaking water quality
	sampling, review of construction activities and identified the chemical thought to be causing foaming.
	JHG commenced the process for managing a Site-Specific Trigger Value (SSTV) being triggered as
	outlined in the Discharge Impact Assessment
Endorsed Do	
ISD-	OOH70 Water Proofing Feb 2021
Martin	 OOH72 50 MP Hoardings and Graphics OOH59 Tunnelling Deliveries Rev 2 extension of time
Place	 OOH59 fullineling Deriveries Rev 2 extension of time OOH73 50 MP Hoarding and Graphics - March
	 OOH76 Waterproofing North Shaft
	 OOH77 South station graphics
VC - ISD	 OOH 8 South site Mobilisation works to April. This OOHW Permit applied to all activities planned to be
	undertaken Out of Hours in March.
CN - ISD	 PCMW-004 Detailed Excavation Rev E - Incl Trial period
	 Construction Noise and Vibration Management Plan RevC
	Construction Visual and Landscape Management Plan Rev D
BS - ISD	 Construction Spoil Management Plan Rev C Nil this reporting period
PS-ISD	OOH11 Hoarding Graphics OO(decomposition of the second s
	 CEMP including all sub-plans Rev 00 (documents as approved were combined with no changes to individual documents)
	 OOHW 18 Concrete Over Run
	 OOH10 Site shed install Extension of dates
	 OOH6 In ground services (revised to extend timeframe)
	OOH19 Concrete Pour
WL-ISD	 WL ISD 2020 Q3 Environmental compliance requirements completion approval
	 OOHWA #10 – February Rev D
	OOHWA #10 – February Rev E
-	/ Incidents / Non-compliance
ISD-	No incidents or non compliances were reported to the ER during the reporting period.

Martin	One complaint was received relating to noise from the Bligh Street compound relating to the recently
Place	
Place	installed vent from the concrete pump area. Lendlease reported that additional mitigation measures were provided and noise monitoring undertaken. A noise report by noise consultants was provided dated 2-3-
	21 stating that "The measured noise levels were below the E37 NML. It was noted that the noise from the
	concrete pumps and concrete agitators was barely audible during the measurements."
VC-ISD	Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER.
VCIDD	Responses to complaints have been noted in each complaint report, with follow up actions often defined
	in revised reports. During the reporting period complaints were received relating to: worker smoking at
	bus stop (multiple complaints); OOHWs; light spill; and works related to the Tower Crane installation at
	VCN. A complaint relating to truck movements in McLaren Street was still being reviewed at the time of
	writing this report. One complaint related to trucks parking in McLaren Street during the Tower Crane
	works. The CTMP does not appear to consider trucks parking in this location.
	A Non Compliance report was issued for the pumping of water to ground observed during an ER Inspection
	at VCN on 14 February. The volumes were small and promptly turned off. Water was contained and soaked
	into the ground around fig trees adjacent to the site. The NCR related to the sub-contractor not following
	approved discharge procedures.
CN-ISD	No incidents or non compliances were reported to the ER during the reporting period. A number of
	complaints were reported including:
	 A couple of noise complaints during saw-cutting for the Logistics Lane construction
	 Historical dust, dirt, noise for works relating to previous Contractors
	 Construction vehicle parking and noise where idling on Pacific Highway during transit lane operation
	 times Dissatisfaction with delay to Hume St reopening and requested an update on intended reopening date
	 A couple of noise complaints expressing dissatisfaction with jack hammering noise in Hume Street at
	11.25pm. Project team confirmed no out of hours works conducted that night
	 A stakeholder expressed dissatisfaction with construction noise management.
PS-ISD	Complaints/events reported during February related to:
	 Fumes from a concrete agitator truck
	 Cumulative noise from PS-ISD and adjacent sites
	 OOHWs noise (multiple complaints)
	Car splatter with concrete.
	CPB raised a non-compliance under Condition A27(d) during the reporting period for commencing
	excavation works prior to the CNVIS for the works having been endorsed by the Acoustic Advisor. Similar
	excavation works for the tower crane footing had been approved in an Early Works CNVIS. The CNVIS Main
	Works that covered the excavation works had been issued and was under review by the AA at the time of
	commencement of works. The AA provided a conditional approval on 17 February 2021 for works of
	impacts no greater to that which had been approved in the Early Works CNVIS. The CNVIS Main Works was endorsed on 27 February 2021.
WL-ISD	No incidents or non compliances were reported to the ER during the reporting period. A number of
VVL-IJD	complaints were reported including:
	 Repeat complaints from one resident opposite site on Wellington St.
	 Worker behaviour complaint for language / speaking volume in the early hours of the morning
	 Call regarding a potential access hatch safety issue
	 Resident called about traffic cones taking up parking space on southern and northern side of Raglan
	Street. A work area was being established for utility works
	An Unexpected Heritage Find was identified on 23 February by John Holland during works outside the
	northern boundary of the site on Raglan Street. The find consists of a series of sandstone pavers identified
	during the excavation of service trenching outside the boundary of the site. AMBS Heritage Consultant
	advised the sandstone pavers have not been assessed as having research potential, as there are no
	meaningful research questions which could be answered by further assessment of them. Based on this, the proposed works were allowed to proceed without the requirement for further assessment.
Audite (cod	ecific to packages reported in this report)
	lvement in audit activity including Independent Environmental Audits (IEA program).
	rward – Core Focus Areas
LOOKING PO	

MP –ISD	Noise and Vibration from excavation of the Pedestrian Tunnel beneath 50 Martin Place.	
VC - ISD	 Noise from out of hours works such as for utilities. 	
CN - ISD	 The commencement of construction phase and implementation of all construction related requirements 	
PS - ISD	 Noise from out of hours works for hoardings; site shed installation; crane installation and other activities 	
WL-ISD	 Noise from out of hours works Use of tonal alarms for safety aspects 	

Contract Package		;e	Environmental Representative/s
Sydenham to Bankstown Sydney Metro Early Works		nkstown Sydney Metro Early Works	Jo Heltborg
(SMEW)			30 11010018
Key Construction Activities			
SMEW		 Albermarle Street (City Side): Qenos works complete, awaiting removal of stockpile prior to close-ou Albermarle Street (Country Side): Works complete, awaiting clean-up prior to close-out 	
	 Ewart Street: CSR and security fencing installation continuing in the corridor to the count Garnet Street. Pit and pipe for hi-rail access pad on the city-side. Excavation for services f 		
		access pad backfilled and covered with D	
		•	security fencing complete; awaiting clean-up and
		stabilisation of access prior to close-out.	
		-	et: CSR installation continuing alongside the pedestrian
		pathway. Security fencing complete.	
	-	Hutton Street - Qenos Area (city-side): Sto	ockpiles to be removed prior to final inspection and close-
		out. GST & security fencing complete. We	eed removal and clean-up required prior to close-out.
	-	Keir Ave: GST works complete – to be con	tinued under SMC scope, as well as security fencing.
		Stabilisation and clean-up works required	
	•		Review of pre-works embankment condition required prior
	to close-out.		
	•		pilisation/seeding/eco blanket of embankment; and clean-up
	required prior to close-out.		
	•	-	n of stockpile ownership required prior to close-out. ks complete in this area. Some weed removal required prior
	-	to close-out.	ks complete in this area. Some weed removal required prior
			in this area. Some weed removal and clean-up required prior
	 to close-out.; Footpath restoration complete and handed back to Council. Retaining Wall 3 (RW3): Works complete in this area and eco blanket laid; stockpile removal a clean-up required prior to close-out. 		
	-		ation. Clean-up required prior to close-out.
	 Duke Street: GST installation works commenced. 		
	-	Lilian Street: GST complete. Linewide/Sys	tems Connect have taken control of the laydown area. Some
		clean-up works required prior to close-ou	t.
ER Inspectio	ons		
SMEW	Th		ER in February 2021. The key issues discussed were:
	•		to close-out / hand-over to Sydney Metro or other
		contractors in certain zones, including:	
			ncluding site accesses/haul roads and embankments, with
		seeding/eco blanket required in	
			ERSED controls no longer required
 Waste classification, and removal of all identified JHLOR stockpiles 			
		 Removal of JHLOR skip bins and on weed management on batters re 	ehabilitated with eco blanket in Zone 13
		-	ons process and handover of public areas to Council.
			River had turned brown after extreme heat during the long
		-	drainage grate on top of the swale was surrounded by
		unsealed earth and unprotected	aramage grate on top of the swale was suffounded by
L		unscaled earth and unprotected	

	 Provision of secondary containment for oils 	
	 RW1 and RW2: Works complete; embankments were stabilised with eco blanket, though some 	
	growth (castor-oil) was observed along RW1 and RW2. Some damage remains to the garden bed near	
	the Charles Street carpark entrance (RW1) which will need to be rectified by the contractor.	
Endorsed	Document/s	
SMEW	 Construction Monitoring Report 003 August 2020 - Jan 2021 Rev00 was reviewed. 	
Non-comp	liance/ Incidents or Repeat Complaints	
Sydney Me	etro 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 iter	ns of note are discussed below for SMEW.	
SMEW	The ER is not aware of any non-compliances for SMEW for the period.	
	There were no incidents for SMEW reported to the ER under conditions A36 of SSI 8256.	
	There were no complaints during February 2021 related to the SMEW works.	
Audits		
SMEW	24/02/2021: SSJ/SMEW JHLOR Internal EMS Audit	
Looking Fo	orward – Core Focus Areas	
SMEW	 Monitoring of stabilisation and vegetation growth during restoration, e.g. seeding and eco blanket 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	
	 Environmental completions process and close-out of work zones 	

Contract Package		Environmental Representative/s	
Sydenham to Bankstown Sydney Metro Corridor (SMC)		Jo Heltborg	
Key Construe	Key Construction and Low Impact Works Activities		
SMC	The following activities have been conducted under the Minor Works Approval PCMWA-01:		
 Survey 			
	 Geotechnical / contamination assessment 	ts	
	 Installation of erosion and sediment contr 	rol devices	
	 Clearing grasses and weeds 		
	 Asbestos picks 		
	 Service searching and CCTV 		
 Temporary fencing installation 			
 Vegetation protection 			
	Laydown		
	 Supporting activities (water cart, street sy 	veeper, etc.)	
	 The following activities have been conducted under the Minor Works Approval PCMWA-02: Sydney Trains Service Relocations at Dulwich Hill, Hurlstone Park, Wiley Park and Punchbowl. 		
		nch Hill, Huristone Park, Wiley Park and Punchbowi.	
ER Inspectio		ED in Enhancem 2024	
SMC	There were no inspections conducted by the E	R IN February 2021.	
Endorsed Do	-		
SMC		J-JHL-WEC-EM-REC-000024, Specific Minor Works, Rev 05.	
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			
	items of note are discussed below for SMC.		
SMC	The ER is not aware of any non-compliances for SMC for the period.		
	There were no incidents for SMC reported to the ER under conditions A36 of SSI 8256.		
	There were two complaints during February 2021 related to the SMC works:		
	-	eaving behind their rubbish. The Construction Manager was	
	called to resolve the matter.	we let us of using sources from the usil sources. The using	
	9/2/21: A resident working from home co	mplained of noise coming from the rail corridor. The noise	

	was identified as generators. Sydney Metro advised the generators would be re-positioned during use over the next week to reduce impacts.		
Audits	ts		
SMC	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).		
Looking Forv	vard – Core Focus Areas		
SMC	 Approval of CEMP and Sub-plans 		
	 Commencement of Construction (planned commencement date 19/3/21) 		
	 Monitoring compliance with the process 		
	 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)		Brett McLennan	
Key Constr	ruction / Low Impact Works Activities		
MCL	 Site offices established 		
ER Inspect	ions		
MCL	A site familiarisation inspection was conducted	ed by the ER in February 2021.	
Endorsed I	Document/s		
MCL	 Nil this reporting period. 		
Non-comp	liance/ Incidents or Repeat Complaints		
Sydney Me	etro has been providing summaries of complaints	to DPIE daily and a summary to the ER. Responses to each	
	have been noted in each complaint report, with note are discussed below for MCL.	follow-up actions often defined in revised reports. Key or	
MCL			
	There were no incidents for MCL reported to the ER under conditions A36 of SSI 8256.		
Audits			
MCL	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).		
Looking Fo	orward – Core Focus Areas		
MCL	 Out of hours works approvals during pos Finalisation of all pre construction comm dilapidation reports, CTMP 	session. encement requirements, e.g. Tree Report, UMS, VAMP,	

Contract Package		Environmental Representative/s	
Sydenham to Bankstown Hurlstone Park, Belmore and		Brett McLennan	
Wiley Park S	tation Upgrades (HBW)		
Key Constru	Key Construction / Low Impact Works Activities		
HBW	 Nil this reporting period 		
ER Inspectio	ns		
HBW	No ER inspections conducted in February 2022	1. No works have commenced	
Endorsed Do	ocument/s		
HBW	 Nil 		
Non-complia	Non-compliance/ Incidents or Repeat Complaints		
Sydney Metr	o has been providing summaries of complaints	to DPIE daily and a summary to the ER. Responses to each	
complaint ha	complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or		
repeat items	repeat items of note are discussed below for HBW.		
HBW	The ER is not aware of any non-compliances or complaints for HBW for the period.		
	There were no incidents for MCL reported to the ER under conditions A36 of SSI 8256.		
Audits			
HBW	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).		
Looking Forward – Core Focus Areas			
HBW	 Out of hours works approvals during poss 	ession.	
	Finalisation of all pre construction comme	encement requirements, e.g. Tree Report, UMS, VAMP,	

dilapidation reports, CTMP

Contract Package		Environmental Representative/s
Sydenham to Bankstown Dulwich Hill Campsie and		Brett McLennan
Punchbowl	Station Upgrades (DCP)	Brett McLennan
Key Constru	iction / Low Impact Works Activities	
DCP	 Nil this reporting period 	
ER Inspectio	ons	
DCP	No ER inspections conducted in February 20	021. No work in this period.
Endorsed D	ocument/s	
DCP	Nil this reporting period	
Non-compli	ance/ Incidents or Repeat Complaints	
complaint h		ts to DPIE daily and a summary to the ER. Responses to each h follow-up actions often defined in revised reports. Key or
DCP		
Audits	• •	
DCP	No ER involvement in audit activity including Independent Environmental Audits (IEA Program).	
Looking For	ward – Core Focus Areas	
DCP • Out of hours works approvals during possess		ossession.
	 Finalisation of all pre construction commencement requirements, e.g. Tree Report, UMS, VAN dilapidation reports, CTMP 	

Contract Package		Environmental Representative/s	
Sydney Metro Retained Obligations (SM) Jo Robertson		Jo Robertson	
Key Const	Key Construction Activities		
SM	■ Nil		
ER Inspect	ions		
SM	 Nil 		
Endorsed	Endorsed Document/s		
SM	■ Nil		
Non-comp	Non-compliance/ Incidents or Repeat Complaints		
complaint	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 Fo	Looking Forward – Core Focus Areas		
SM	 Compliance review Q1 and Q2, 2020 was finalised. 		

Statement of Limitations

Healthy Buildings International (HBI) has prepared this report in accordance with the requirements of Condition A24(I) 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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