

Mr Rob Sherry
Team Leader Compliance – Government Projects
Department of Planning Industry and Environment
GPO Box 39
SYDNEY NSW 2001

4 March 2020

Ref: 170108-ER-DPIE-TSE-MP-VC-20

Dear Rob

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for February 2020 – TSE , Martin Place ISD, Victoria Cross ISD

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

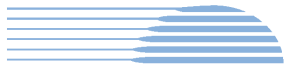
- Condition A24 (I) of the Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 Approval (9 January 2017) and associated modifications MOD1_Victoria Cross and Artarmon (18 October 2017), MOD2_Central Walk (21 December 2017), MOD4_Sydenham Station and Metro Facility South (13 December 2017), MOD 3_ Martin Place Metro Station (22 March 2018), MOD5_Blues Point Acoustic Shed (2 November 2018), and MOD6_Administrative Changes (21 February 2019); and
- As required by the subsequent appointment as the approved Environmental Representative (17 February 2017);

The attached summary details the key activities undertaken by Environmental Representatives for Sydney Metro – City and South West Chatswood to Sydenham during the month of **February 2020**.

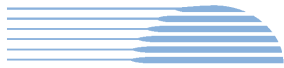
Yours sincerely

Michael Woolley
Environmental Representative

Cc: Sydney Metro: Fil Cerone, Matt Marrinan, Ben Armstrong, Hugh Chapman, Adam Koutsamanis, Pam Tummers, Ann Paterson,
Contractors: Rob Muir (JHCPBG), Jason Ambler (LL)
DPIE: Rob Sherry, Elizabeth Williamson, Alice Pryke, Erica Van Den Honert
CC IEA: Larry Weiss, Julie Dickson



Summary of Contract Packages	Environmental Representative/s
Tunnel and Station Excavation (TSE)	Michael Woolley
Martin Place Unsolicited Proposal USP/ISD Macquarie Bank/Lend Lease	Michael Woolley/Jo Robertson
Victoria Cross ISD (VC-ISD) - Lend Lease	Michael Woolley/Jo Robertson
Key Construction Activities	
TSE	<p>Chatswood:</p> <ul style="list-style-type: none"> ▪ Works in the dive continuing including steel fixing and concrete pours. Ongoing demobilisation of tunnelling infrastructure including removal of conveyors and grout plant. <p>Chatswood NCW:</p> <ul style="list-style-type: none"> ▪ Brand Street works - wall support completed. Road access excavated and cement stabilised DGB gravel access under construction. <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Ongoing works in the cavern including concrete lining. ▪ Hammering of base of shaft ongoing. ▪ Stockpiling and load out of spoil by trucks ongoing. ▪ Water treatment plant operation. ▪ Concrete deliveries for concrete pours. <p>Victoria Cross South site:</p> <ul style="list-style-type: none"> ▪ Demolition of the acoustic shed completed. ▪ Preparation for piling works. ▪ Support activities. <p>Blues Point Temporary:</p> <ul style="list-style-type: none"> ▪ TBM retrieval works completed. ▪ Preparation to hand site internally to JHCPBG Barangaroo team. ▪ Ongoing load out of items onto trucks. <p>Martin Place Station-South:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation of the pedestrian adit; removal of spoil using kibble and crane; excavation of shaft to the ESR using small roadheader (24/7 operation). <p>Marrickville dive site:</p> <ul style="list-style-type: none"> ▪ Demobilisation of tunnelling infrastructure including demolition of the acoustic spoil sheds; grout plant; workshops and conveyors. ▪ Ongoing excavation in the dive. ▪ Ongoing Transgrid works. WTP operational. <p>Marrickville precast facility</p> <ul style="list-style-type: none"> ▪ Site undergoing excavation for stabling yard. ▪ Cranes broken up for scrap; stockpiled and removed from site. ▪ Pre-cast facility demobilised and being demolished. ▪ Concrete slab and footing removal. ▪ Piling along the side of the culvert to support existing culvert. ▪ Management and removal of scrap materials. ▪ Removal of underground tanks encountered during excavation activities. <p>Pitt Street North:</p> <ul style="list-style-type: none"> ▪ Excavation of shaft outside the acoustic shed and wall support. ▪ Spoil management and removal off site. <p>Pitt Street South:</p> <ul style="list-style-type: none"> ▪ Excavation and wall support continuing. ▪ Shear wall construction ongoing. <p>Waterloo:</p> <ul style="list-style-type: none"> ▪ Tunnelling personnel established on site as base for cross passage excavation and other tunnelling activities. ▪ Concrete delivery using chute. ▪ laydown for plant and equipment.



	<ul style="list-style-type: none"> ▪ removal of spoil. <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ TBM 5 and slurry plant operating. TBM5 completed tunnelling in harbour sediments. ▪ Operation of the water treatment plant. ▪ Harbour sediment (acid sulphate soils) was removed for direct offsite disposal. ▪ Lining of station box ongoing. Concrete slab in base of station box being constructed. ▪ Installation of anchors in the shark's fin area.
MP – USP/ISD	<ul style="list-style-type: none"> ▪ Sandstone being excavated at depth by rock hammer in northern section of the excavation. ▪ Loading out of spoil to trucks located in the northern adit exiting site at Bligh Street compound. ▪ Roof support over adits within the excavation.
VC-ISD	<ul style="list-style-type: none"> ▪ Utility investigation activities during out of hours.
ER Inspections	
TSE	<p>Weekly inspections continued of the sites under the management of the TSE contractor. There were four inspections carried out during the month. Issues identified during the inspections included:</p> <ul style="list-style-type: none"> ▪ Marrickville Dive Site – clean up of spill in the grout plant; Secondary containment for drum; loose dirt on internal haul roads and at site exits; repair sediment fence; accumulated material in gutter. ▪ Barangaroo – increase capacity of ERSED controls; minor leak of sediment laden water to wharf. ▪ NCW Brand Street –water from boot wash to be appropriately controlled; sumps to be cleaned out; copy of ESCP for all areas to be available in Brand street site shed; ensure the design of the road and ERSED controls is adequate for the access road. ▪ Blues Point – Secondary containment of small containers; re-seal bund and clean out used spill kit material. ▪ Waterloo –provide secondary containment for IBCs; Repair hole in air line; loose dirt on hardstand at south end of the site; offensive graffiti to be removed. <p>Various notes were made in the inspection reports reflecting commitments made by the TSE Contractors and risks identified during inspections. ER Inspection reports have been prepared and issued to Sydney Metro and the TSE Contractor.</p>
MP – USP/ ISD	<p>There was one inspection carried out in February 2020 of Martin Place North. No new issues were identified during the inspection. Various notes were made in the inspection report. ER Inspection report was prepared and issued to Sydney Metro and the MP-ISD Contractor.</p>
VC-ISD	<p>Nil Inspections conducted.</p>

Endorsed Document/s	
Sydney Metro	<ul style="list-style-type: none"> ▪ Nil this reporting period.
TSE	<ul style="list-style-type: none"> ▪ Marrickville SEP Revision for Stabling Yard and other works ▪ Waterloo Station SEP Revision ▪ OOHW for sewer works at Waterloo ▪ OOHW for sewer works at Martin Place ▪ OOHW for sewer works at Pitt Street
USP/ ISD- Martin Place	<ul style="list-style-type: none"> ▪ OOH28 Power switchover and pole removal
VC - ISD	<ul style="list-style-type: none"> ▪ OOH2 Utilities Rev 4.
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.</p>



	<p>There were no incidents reported by JHCPBG as defined by the project approval definition for incidents under condition A41.</p> <p>Planning Approval Condition C15 requires construction monitoring programs are implemented during construction. The Surface Water Monitoring Program requires sampling from the Water Treatment Plants (WTPs) to be conducted at the time of undertaking monitoring at the surface water locations listed in Table 10 of Soil, Water and Groundwater Management Plan. Testing required from the WTP included iron, manganese, pH, TSS and oil and grease. A recent review has identified that not all analytes were always being tested from the WTPs during the surface water monitoring events.</p>
USP/ ISD- Martin Place	<p>No complaints were reported to the ER that related to the MP-ISD project.</p> <p>There were no incidents reported by Lend Lease as defined by the project approval definition for incidents under condition A41.</p> <p>Lend Lease informed the project on 17 February 2020 of an exceedance of vibration screening criterion defined in Condition E28.1 when hammering adjacent 50 Martin Place. Work methods were reported by Lend Lease to have been adjusted to avoid further exceedance of the screening criterion.</p>
Sydney Metro	<p>Complaints received for Sydney Metro works are included in complaint summaries provided to DPIE daily.</p> <p>There were no incidents reported by Sydney Metro for Sydney Metro conducted works as defined by the project approval definition for incidents reported to DPIE under condition A41.</p>
Audits (specific to TSE, MP ISD , and VIC ISD only)	
<p>The following audits relevant to this report, were conducted during the period:</p> <ul style="list-style-type: none"> ▪ ER and Audit Meeting – 14/02/2020 ▪ Discussion Audit findings and resolution to close out audit actions – 21/02/2020 	
Looking Forward – Core Focus Areas	
TSE	<ul style="list-style-type: none"> ▪ Water treatment plant and discharge at Barangaroo ▪ Management of spoil from under harbour tunnelling at Barangaroo ▪ ERSED controls in the Northern Corridor Area
MP – USP/ ISD	<ul style="list-style-type: none"> ▪ Management of noise, vibration and dust during bulk excavation activities
VC - ISD	<ul style="list-style-type: none"> ▪ Nil



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 (CSSI15_7400). 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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