

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

9 January 2020

Ref: 170108-ER-DPIE-TSE-MP-VC-19

Dear Rob

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for December 2019 – 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 **December 2019**.

Yours sincerely

Michael Woolley
Environmental Representative

Cc: Sydney Metro: Fil Cerone, Matt Marrinan, Ben Armstrong, Stuart Hodgson, 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"> ▪ Ongoing TBM tunnelling, spoil removal and cross passage construction support. ▪ TBM3 and TBM 4 arrived at Blues Point during the month. ▪ Works in the dive continuing. <p>Chatswood NCW:</p> <ul style="list-style-type: none"> ▪ Brand Street works -ongoing wall support and excavation of material in batter. ▪ Frank Channon Walk: Completed and handed over to Sydney Metro. ER attended handover inspection on 28 November 2019. Opened late December 2019. <p>Crows Nest:</p> <ul style="list-style-type: none"> ▪ Concrete supply for various works. ▪ Little activities ongoing at surface at time of inspection. <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Lining of adits and pedestrian passage. ▪ Concrete supply to site. ▪ Stockpiling and removal of waste concrete via the shaft. <p>Victoria Cross South site:</p> <ul style="list-style-type: none"> ▪ Cavern lining and general support activities; ▪ Ongoing demolition of the acoustic shed with roof panels being removed. <p>Blues Point Temporary:</p> <ul style="list-style-type: none"> ▪ TBM 4 breakthrough after TBM 3 breakthrough in late November. ▪ Sections of TBMs raised from the base of the shaft and removed by barge, including over shutdown period. <p>Martin Place Station-South:</p> <ul style="list-style-type: none"> ▪ Roadheader activities in the pedestrian adit; ▪ Removal of spoil using kibble and crane; ▪ Excavation of shaft to the ESR. <p>Marrickville precast facility</p> <ul style="list-style-type: none"> ▪ Pre-cast facility planned to complete last of segment construction in last week of December. ▪ De-mobilisation activities ongoing. ▪ Storage and handling of segments outside shed and in area to north. <p>Marrickville dive site:</p> <ul style="list-style-type: none"> ▪ TBM 2 and TBM 1 excavating beyond Martin Place towards Barangaroo with breakthrough of TBM 2 in December. ▪ TBM 1 planned to arrive at Barangaroo in early January 2020. ▪ Ongoing construction of separation wall in the dive. ▪ Ongoing Transgrid works. ▪ Operation of water treatment plant and other support operations. <p>Pitt Street North:</p> <ul style="list-style-type: none"> ▪ Excavation of shaft outside the acoustic shed. ▪ Wall support. <p>Pitt Street South:</p> <ul style="list-style-type: none"> ▪ Loading of trucks on the Metro Deck. 	



	<ul style="list-style-type: none"> ▪ Excavation and wall support continuing. ▪ Shear wall construction ongoing. <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ Slurry plant was not operating for much of the month. TBM5 was being prepared for commencement of tunnelling. Cleaning and maintenance activities at the water treatment plant ongoing. Lining of station box.
MP – USP/ISD	<ul style="list-style-type: none"> ▪ Sandstone being excavated and loaded out on trucks via Castlereagh Street. ▪ Excavation depth was at base of adit to west and exposed adit to the north. ▪ Water treatment plant in process of being moved. ▪ Operation of water cannons and misters across the site. ▪ Hoarding works on Hunter Street ongoing.
VC-ISD	<ul style="list-style-type: none"> ▪ Planning for utilities investigation works.
ER Inspections	
TSE	<p>Weekly inspections continued of the sites under the management of the TSE contractor. There were three inspections carried out during the month noting that the Christmas shutdown commenced on 20-12-2019 to 6-1-2020. Issues identified during the inspections included:</p> <ul style="list-style-type: none"> ▪ Crows Nest – dirt on Hume Street section of site; maintenance of sediment controls ▪ Brand Street – Dust Control ▪ Barangaroo – Secondary containment for chemical storage. ▪ Blues Point – Obstructions in strip drain; Hydraulic oil spill clean up required. <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 December 2019 of Martin Place North. No new issues were identified during the inspections. 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"> ▪ OOHW47 Utilities investigations around MP by RPS
TSE	<ul style="list-style-type: none"> ▪ Barangaroo SEP Rev 8 ▪ Marrickville SEP Rev 5 ▪ TSE CTR Q3 2019
USP/ ISD- Martin Place	<ul style="list-style-type: none"> ▪ Out of hours works (OOHW) approvals <ul style="list-style-type: none"> ○ OOHW 22 Electrical Utilities Investigation ○ OOHW 23 Piling Contingency ○ OOHW 24 Extension of Hoarding installation ○ OOHW 25 Hoarding Installation ○ OOHW 26 Services Investigations
VC - ISD	<ul style="list-style-type: none"> ▪ VC -ISD Early Works Approval for Stormwater in Denison Street
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,</p>



	<p>with follow up actions often defined in revised reports.</p> <p>Complaint 1436 related to a truck parking in a no standing area and across a resident's driveway near the Marrickville site for a short period of time. This action was not consistent with the Construction Traffic Management Plan or general road rules and could be considered a Non Compliance with Condition E75d. JHCPBG reported they acted promptly to address the issue by removing the driver from the project with the haulage company to reinforce the need for drivers to obey road rules as per the driver's code of conduct that all drivers signed.</p>
USP/ ISD- Martin Place	<p>No complaints were reported related to the MP-ISD project.</p> <p>Rock hammering was observed by the ER during the 12:00pm to 1pm respite period defined in a Community Agreement on 4 December 2019. Lend Lease considered the works to be related to making safe an area around concrete saw activities. It appears that the respite period as defined in the Community Agreement was not fully implemented which is a potential non compliance with Condition A8 of SSI 15_7400. No complaints or measured impacts related to the hammering were reported or observed.</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)	
Review of documents provided as part of audit action close out; review of IEA email communications.	
Looking Forward – Core Focus Areas	
TSE	<ul style="list-style-type: none"> ▪ Tracking of dust/dirt onto roads at key excavation sites ▪ Water treatment plant and discharge at Marrickville and Barangaroo ▪ TBM movement on barges from Blues Point ▪ Groundwater Management 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"> ▪ Review of early works documents

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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