

Erica van den Honert
Director Infrastructure Management
Department of Planning Industry and Environment
GPO Box 39
SYDNEY NSW 2001

6 September 2019
Ref: 170108-ER-DPIE-TSE-MP-VC-19

Dear Erica

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for August 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), MOD 5_Blues Point Acoustic Shed (2 November 2018), and MOD Administrative Changes (21 February)); 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 **August 2019**.

Yours sincerely

Michael Woolley
Environmental Representative

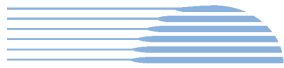
Cc: Sydney Metro: Fil Cerone, Matt Marrinan, Ben Armstrong, Stuart Hodgson, Adam Koutsamanis, Pam Tummers, Margarita Ognjanovic, Rob Muir (JHCPBG), Jason Ambler (LL)
DPIE: Rob Sherry, Elizabeth Williamson, Alice Pryke
CC IEA: Larry Weiss, Julie Dickson



Summary of Contract Packages	Environmental Representative/s
Tunnel and Station Excavation (TSE)	Michael Woolley/ Alberto Paludetto
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"> ▪ Tunnelling ongoing. TBM 4 breakthrough at Victoria Cross. TBM 3 tunnelling towards VC. Various support activities. <p>Chatswood NCW:</p> <ul style="list-style-type: none"> ▪ FCW works: ongoing excavation of material in batter; installation of noise wall posts; backfill behind retaining wall. ▪ Brand Street: ongoing wall construction, support and excavation of batter. <p>Artarmon Shaft:</p> <ul style="list-style-type: none"> ▪ Removal of concrete hardstand. <p>Crows Nest Station:</p> <ul style="list-style-type: none"> ▪ Excavation, capping beam and wall support in the “sharks fin” area. ▪ Clarke Lane closed to allow works in the sharks fin area. ▪ TBM support activities. <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Excavation commencement of new adit to cavern from base of shaft. ▪ Continued support and concrete lining works within the cavern. <p>Victoria Cross South site:</p> <ul style="list-style-type: none"> ▪ Concrete lining installation. ▪ TBM 4 breakthrough. ▪ TBM related activities. Other support activities. Most material now going out at VCN. <p>Blues Point Temporary Retrieval Site:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation in shaft using rock hammer. ▪ Outside spoil stockpiling and barging operations continuing. <p>Bligh Street:</p> <ul style="list-style-type: none"> ▪ Continued removal of spoil. Lining of cavern including reinforcing placement; formwork installation and pouring. <p>Martin Place Station- South:</p> <ul style="list-style-type: none"> ▪ Piling completed-demobilisation of the piling rig and crew. ▪ Ongoing hammering under the footbridge adjacent 50 Martin Place and in the area north of the access road into site <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ TBM and slurry plant operation ongoing with treated solids from the plant being stored in the area where the TBM was assembled. ▪ Operation of slurry and water treatment plants; spoil management and spoil removal offsite ongoing. ▪ Ongoing environmental controls including street sweeper and water cart. Truck bath with rumble grid as wheel wash in use. <p>Pitt Street North:</p> <ul style="list-style-type: none"> ▪ Lining works ongoing. No inspection inside site. <p>Pitt Street South:</p> <ul style="list-style-type: none"> ▪ Heritage excavation completed and excavation commenced in this area. ▪ Steel truck loading area under construction in south western corner. ▪ TBM 1 Breakthrough. ▪ Excavation and wall support ongoing. <p>Waterloo Station:</p> <ul style="list-style-type: none"> ▪ Use of site as laydown for TBM crew. Hammering of floor slab to allow excavation and permanent floor installation.



	<p>Marrickville precast facility</p> <ul style="list-style-type: none"> ▪ Pre-cast facility operating. ▪ Storage and handling of segments outside shed and in area to north. <p>Marrickville dive site:</p> <ul style="list-style-type: none"> ▪ Ongoing construction of sump and separation wall in the dive. ▪ Operation of water treatment plant and other support operations. New tanks installed at the WTP to reduce sediment entering the plant. Challenges in operation of the WTP eased with one TBM operating after arrival of TBM 1 at Pitt Street. <p>White Bay:</p> <ul style="list-style-type: none"> ▪ Ongoing use as truck queueing facility.
MP – USP/ISD	<ul style="list-style-type: none"> ▪ Removal of the ground slabs under former buildings at 5, 7 and 9-19 Elizabeth Street completed. No significant heritage findings were reported. Clearance Certificates were provided. ▪ Excavation of strip and column footings across the site. Due to exceedance of the vibration criteria at 50 Martin Place on 1 August, activities were modified. Lend Lease explained sequence of works to remove footings, to avoid further exceedances. No further exceedances were reported. ▪ Retention works in NE and SE corner of the site ▪ Excavation and soil classification testing of fill beneath the concrete slabs. ▪ Site sheds and hoarding installation completed for current works. ▪ Installation of some parts of the water treatment plant. ▪ Ongoing removal and haulage off site of building demolition waste. ▪ A third underground storage tank was identified. Excavation to remove spoil impacted or potentially impacted by diesel tanks. Lend Lease reported validation testing had been completed. ▪ Washing of truck wheels by gurney at exit to Castlereagh Street. ▪ Dozer commenced, ripping sandstone to excavate rock. Water misters in place to manage dust.
VC-ISD	<ul style="list-style-type: none"> ▪ Nil works
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. Actions identified during the inspections comprised:</p> <ul style="list-style-type: none"> ▪ Chatswood NCW (Brand Street) – erosion and sediment management, vehicle washing. ▪ Chatswood NCW (Nelson Street) – erosion and sediment management. ▪ Victoria Cross North - management and control of dust ▪ Barangaroo – IBC secondary containment, dust control ▪ Marrickville Dive – management of the water treatment plant, erosion and sediment control, IBC containment. ▪ Marrickville Pre-Cast – containment of stored chemicals, erosion and sediment management. ▪ Waterloo – Dust Control, wastewater management <p>Various notes were made in the inspection reports reflecting commitments made by the TSE Contractors and risks identified during inspections. Observations were made of sediment accumulating in the culvert below the water treatment plant at Marrickville. Water discharge monitoring indicates water from the plant meets EPL criteria.</p> <p>ER Inspection reports have been prepared and issued to Sydney Metro and the TSE Contractor.</p>
MP – USP/ISD	<p>There were two inspections carried out in August 2019 of Martin Place North. One new issue was identified related to one truck leaving site without the cover being closed. The truck was contacted to install the cover immediately. Various notes were made in the inspection reports. ER Inspection reports have been prepared and issued to Sydney Metro and the MP-ISD Contractor.</p>
VC-ISD	Nil



Endorsed Document/s	
Sydney Metro	<ul style="list-style-type: none"> ▪ Consistency Assessment relating to retail space at Pitt Street South.
TSE	<ul style="list-style-type: none"> ▪ CTR for Q2 2019
USP/ ISD- Martin Place	<ul style="list-style-type: none"> ▪ CTR for Q2 2019 ▪ Out of hours works (OOHW) approvals <ul style="list-style-type: none"> ○ OOH14 Sewer CCTV.
VC - ISD	<ul style="list-style-type: none"> ▪ Nil
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, with follow up actions often defined in revised reports.</p> <p>There were no incidents reported to the ER under conditions A41 to A44.</p>
USP/ ISD- Martin Place	<p>One complaint was reported related to the MP-ISD project.</p> <p>There were no incidents or emergency works reported by Lend Lease during the reporting period.</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 and MP ISD only)	
No Independent Audits were conducted during the reporting period.	
Looking Forward – Core Focus Areas	
TSE	<ul style="list-style-type: none"> ▪ Dust and stormwater management at Barangaroo ▪ ERSED controls in the Northern Corridor Area ▪ Tracking of dust onto roads at key excavation sites ▪ Planned bulk excavation activities at MPS ▪ Water treatment plant and discharge at Marrickville ▪ Planned removal of Acoustic Shed at Victoria Cross in October
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 for ER, Early project planning ongoing by others