

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

14 January 2019
Ref: 170108-ER-DPE-TSE-Dec 18

Dear Erica

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for December 2018 – TSE Contract and Martin Place USP

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) and MOD 5_Blues Point Acoustic Shed (determined 2 November 2018); 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 2018**.

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)
DPE: Swati Sharma, Rob Sherry, Kate Moore
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) Macquarie Bank/Lendlease		Michael Woolley/Jo Robertson
Alternate		Jo Robertson / Annabelle Reyes
Key Construction Activities		
TSE	<p>Chatswood Dive Site:</p> <ul style="list-style-type: none"> ▪ Excavation of the dive nearly complete. ▪ Blinding in dive; and wall stabilisation; spoil shed construction ▪ TBM assembly within the dive. ▪ Various site establishment activities ▪ Works along Frank Channon Road ▪ Works at Brand Street ▪ Piling commenced at the end of Nelson Street <p>Artarmon Substation:</p> <ul style="list-style-type: none"> ▪ Shaft Construction. ▪ Pilot hole to depth completed ▪ Excavation of larger diameter shaft <p>Crows Nest Station:</p> <ul style="list-style-type: none"> ▪ Excavation with rock hammers on excavators and rippers on dozers ▪ Spoil removal off site ▪ Water treatment and various other works <p>Victoria Cross South site</p> <ul style="list-style-type: none"> ▪ Excavation by road header ▪ Removal of spoil ▪ Various other works. <p>Victoria Cross North site</p> <ul style="list-style-type: none"> ▪ Site establishment inside shed ▪ Excavation by rock hammer ▪ Removal of spoil ▪ Various other works – drainage works and access along McLaren St <p>Blues Point Temporary Retrieval Site:</p> <ul style="list-style-type: none"> ▪ Piling for the shaft ▪ Site preparation for shutdown ▪ installation of erosion and sediment controls (area was sprayed with polymer prior to the shutdown period) <p>Barangaroo Station and Millers Point:</p> <ul style="list-style-type: none"> ▪ Boat relic excavated and removed from site ▪ All heritage areas now cleared and excavation re-commenced in area of the boat relic ▪ New road access via bridge under construction ▪ Trial undertaken of loading of spoil barge (half full). The barge was to be transported to Clyde barging facility with further barge movements undertaken ▪ Operation of water treatment plant ▪ Construction of slurry treatment plants ▪ Spoil management ▪ Roadheader operation from the northern shaft in cross over cavern area <p>Martin Place Station:</p> <ul style="list-style-type: none"> ▪ Demolition of the shopping circle area ▪ Installation of pedestrian bridge at Martin Place in the holiday period after Christmas Day <p>Pitt Street Station:</p> <ul style="list-style-type: none"> ▪ Pitt Street North – Roadheader excavating station ▪ Roof and wall support ▪ Removal of spoil off site ▪ Pitt Street South - Piling along eastern wall 	



	<ul style="list-style-type: none"> ▪ Demolition of remaining buildings. <p>Waterloo Station:</p> <ul style="list-style-type: none"> ▪ Excavation of the station box and wall support ▪ Spoil management and loading out ▪ Construction of spoil stockpile area with pre-cast units to the northern side of the site with planned conveyor ▪ Operation of the water treatment plant. <p>Marrickville dive site:</p> <ul style="list-style-type: none"> ▪ Tunnelling by TBM 1 and TBM 2 ▪ Spoil movement to night time shed for storage by conveyor ▪ Wheel wash operation ▪ Trucks accessing from Murray Street and exiting to Edinburgh Rd ▪ Traffic lights on Edinburgh Road operating ▪ Buildings demolished handed over to the Pre-Cast Team for additional segment storage ▪ Clearing of trees adjacent to the former commercial area completed. <p>Marrickville precast facility</p> <ul style="list-style-type: none"> ▪ Pre-cast facility operating and constructing segments. Storage and handling of segments outside shed and in new area to north where former buildings have been demolished.
MP - USP	<ul style="list-style-type: none"> ▪ Soft strip and hazardous materials removal and loading of soft strip wastes into bins and load out off site. (Waste segregation and drop to ground level via drop chute). ▪ Scaffolding installation ▪ Use of basement as sump for runoff water collection ▪ Use of ramp to access and exit site to Castlereagh Street – truck wheels being hosed down by hand.
ER Inspections	
TSE	<p>Weekly inspections continued of the sites under the management of the TSE contractor. There were four inspections in this month. Actions identified during the inspections comprised:</p> <ul style="list-style-type: none"> ▪ Blues Point – erosion and sedimentation controls ▪ Marrickville dive site – erosion and sedimentation controls and facility management ▪ Waterloo – erosion and sedimentation controls, dust, and waste management ▪ Chatswood - erosion and sedimentation controls; dust; noise and vibrations controls ▪ Victoria Cross North - erosion and sedimentation controls and Dust ▪ Clyde - waste management ▪ Pitt Street North – dust ▪ Barangaroo – dust ▪ Martin Place – Demolition Controls <p>Various notes were made in the inspection reports reflecting commitments made by the TSE Contractors. ER Inspection reports have been prepared and issued to Sydney Metro and the TSE Contractor.</p>
MP - USP	An initial site inspection was undertaken in December. No actions were identified.
Endorsed Document/s	
Sydney Metro	<ul style="list-style-type: none"> ▪ Nil related to TSE or USP- Martin Place
TSE	<ul style="list-style-type: none"> ▪ Out of hours works (OOHW) approvals <ul style="list-style-type: none"> ○ Reinstatement of Tunnel Boring Machine deliveries works OOHWs ○ OOHWs Pitt Street Deliveries MPS_021 ○ Martin Place South – Demolition Works to Midnight to 21-12-18 ○ Martin Place Graphics OOHWs ○ Monitoring works at Pitt Street OOHWs ▪ Construction Noise and Vibration Statements (CNVIS) <ul style="list-style-type: none"> ○ Crows Nest CNVIS update Rev 6 ▪ Compliance Tracking <ul style="list-style-type: none"> ○ Compliance Tracking report (CTR) for Q3 2018 completed. ▪ Site Environmental Plans (SEP)



	<ul style="list-style-type: none"> ○ SEPs in and around Marrickville ○ Pitt Street Rev 4 ○ VCS Rev 3 ○ Waterloo Rev 6 ○ Crows Nest Rev 5
USP- Martin Place	<ul style="list-style-type: none"> ▪ E59 Building Condition Survey (incl. acknowledgement from City of Sydney of submission of building survey 29.11.18) ▪ 818021.1_Public Roads Sydney Metro-Lend Lease Package_Final, Email E90 Submission to City of Sydney of Road Delap 10.10.18 ▪ Business Management Plan - Martin Place Demolition Works ▪ Pre Construction Compliance Report endorsement
Complaints / Incidents / Non-compliance	
TSE	<p>It is understood that Sydney Metro has been providing summaries of complaints to DPE daily. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports.</p> <p>The following incident was reported to the TSE ER during the period:</p> <ul style="list-style-type: none"> ▪ Sediment discharge at Marrickville work site from the slurry treatment plant on 18 December. An Environment Report providing details of the event was issued to the ER and Sydney Metro on 21 December. JHCPBG indicated in the report that - <i>“At no time did the slurry travel further down the canal or enter into any other areas (ie: was contained in the canal area immediately adjacent to the treatment plant).”</i>
Sydney Metro	There were no complaints received in relation to works undertaken directly by Sydney Metro. There were no incidents related to Sydney Metro conducted works as defined by the project approval definition for incidents reported to DPE under condition A41.
Audits	
<p>The following audits related to TSE works were conducted during the period:</p> <ul style="list-style-type: none"> • HBI as ER was audited by the Sydney Metro Independent Auditors on 3 December; and • JHCPBG conducted a second party audit of the CEMP – the ER attended the site inspection portion of this audit. 	
Looking Forward – Core Focus Areas	
TSE	<ul style="list-style-type: none"> ▪ Barging at Barangaroo and Clyde Barging Facility ▪ ERSED controls at Blues Point ▪ Works in the Northern Corridor Area
MP - USP	<ul style="list-style-type: none"> ▪ Commencement of construction activities