

Carl Dumpleton
A/Director Infrastructure Management
Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

7 December 2018
Ref: 170108-ER-DPE-TSE-Nov 18

Dear Carl

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for November 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 **November 2018**.

Yours sincerely



Jo Robertson
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 and wall stabilisation; ▪ Ongoing construction of spoil shed; ▪ Assembly of TBMs on site and installation of one TBM in the dive; ▪ Ongoing works at Brand Street; and ▪ Closure of Nelson Street and commencement of piling; closure of and Frank Shannon Walk. <p>Artarmon Substation:</p> <ul style="list-style-type: none"> ▪ Site establishment; commencement of piling and shaft excavation. <p>Crows Nest Station:</p> <ul style="list-style-type: none"> ▪ Excavation and wall support ongoing including commencement of rock hammering due to harder rock encountered at depth; and ▪ Roof in place south of Hume Street. <p>Victoria Cross South site</p> <ul style="list-style-type: none"> ▪ Excavation by road header and removal of spoil; ▪ Wall support and other works; and ▪ Wheel wash installed at shed egress. <p>Victoria Cross North site</p> <ul style="list-style-type: none"> ▪ Trail Blast undertaken on 17 December and incident investigation ongoing into related exceedance; and ▪ Site establishment inside shed. <p>Blues Point Temporary Retrieval Site:</p> <ul style="list-style-type: none"> ▪ Pile pad construction and commencement of piling of the shaft; ▪ Placement of DGB gravel at the eastern end of the site adjacent the protected fig tree as part of shed installation. ▪ Installation of driveway and rumble grid. <p>Barangaroo Station and Millers Point:</p> <ul style="list-style-type: none"> ▪ Boat relic initially stored under sand cover to keep it moist and then removed in pieces. Processing/storage of the sections of boat removed in two refrigerated containers. Removal ongoing in early December. ▪ Heritage excavations under the former Hickson Road site ongoing with former sea wall and various buildings uncovered; ▪ Construction of water and slurry treatment plants ongoing; treatment of water; ▪ Ongoing road-header operation from the northern shaft in cross over cavern area; and ▪ Spoil management; including two new spoil barges on site. <p>Martin Place Station:</p> <ul style="list-style-type: none"> ▪ Bligh Street site - Ongoing excavation with road headers; wall support; removal of spoil. ▪ Martin Place South site - 39 Martin Place and Shopping Circle demolition ongoing; various utility works <p>Pitt Street Station:</p> <ul style="list-style-type: none"> ▪ Pitt Street North – Road header excavating station; roof support; removal of spoil off site. ▪ Pitt Street South - Sandblasting works to remove paint has been completed. Ongoing demolition works. Preparation for piling. <p>Waterloo Station:</p> <ul style="list-style-type: none"> ▪ Excavation of the station box using large dozer for ripping and wall support; ▪ Spoil management and loading out; and ▪ Operation of the water treatment plant.



	<p>Marrickville dive site:</p> <ul style="list-style-type: none"> ▪ Ongoing tunnelling by TBM 1 (approx. 140m) and TBM 2 (approx. 30m); ▪ Spoil movement to night time shed for storage by conveyor; ▪ Wheel wash installed but not yet operating; ▪ Trucks accessing and egressing from Murray Street but soon to be exiting out to Edinburgh Rd; ▪ Demolition of warehouse building adjacent to Murray Street has been completed; ▪ Clearing of trees adjacent the former commercial area. ▪ Clean up of former TBM assembly areas. <p>Marrickville precast facility</p> <ul style="list-style-type: none"> ▪ Pre-cast facility operation; and ▪ Storage and handling of segments outside shed. <p>Clyde Barging Facility</p> <ul style="list-style-type: none"> ▪ Site establishment activities ongoing; ▪ New access road constructed. ▪ Barge piles in place. ▪ Construction of barge load out area.
MP - USP	<ul style="list-style-type: none"> ▪ Soft Strip
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; ▪ Waterloo – erosion and sedimentation controls ▪ Chatswood - erosion and sedimentation controls ▪ Clyde - erosion and sedimentation controls and waste management ▪ Pitt Street North – dust ▪ Barangaroo – dust <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	Nil – Inspection proposed in December
Endorsed Document/s	
Sydney Metro	<ul style="list-style-type: none"> ▪ 20181031 Sydney Metro City & Southwest Chatswood to Sydenham Staging Report v5.0 ▪ TfNSW 31 - Consistency Assessment - Traffic changes at Sydenham ▪ 131118 Design integration with Waterloo Metro Quarter ▪ 20181108 SM CSW CCR#3 (Apr 2018 - Sep 2018)
TSE	<ul style="list-style-type: none"> ▪ Out of hours works (OOHW) approvals <ul style="list-style-type: none"> ○ Extension to Hoarding OOHWs Application at MPS ○ OOHWs at Martin Place - Eastern Suburbs rail line works ▪ Consistency Assessment <ul style="list-style-type: none"> ○ Closure of Frank Channon Walk - Nelson St to Gordon St ○ Consistency Assessment for Frank Channon Walk Closure - Full Closure ▪ Construction Traffic Management Plans (CTMP) <ul style="list-style-type: none"> ○ CTMP VC South Rev E ○ CTMP Marrickville Site Operations Amendment ○ CTMP Frank Channon Walk Full Closure ▪ CNVIS <ul style="list-style-type: none"> ○ Marrickville Warehouse Demolition ○ Chatswood Extended work hours ○ Blues Point Rev 1 ○ Barangaroo Stage 2 ▪ Compliance Tracking Review



	<ul style="list-style-type: none"> ○ CTR for Clyde REF for Q3 2018 ○ CTR for Q3 2018 ▪ Other <ul style="list-style-type: none"> ○ Pitt Street South Historic Heritage AMS ○ Heritage Management Procedure Archaeological Relic Management Plan ○ Marine Management Plan – Barging of TBM equipment and tunnel spoil ○ Acknowledgement of updated site environmental plans
USP- Martin Place	<ul style="list-style-type: none"> ▪ Construction Heritage Management Plan Rev C 311018
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 incidents were observed by or reported to the TSE ER during the period:</p> <ul style="list-style-type: none"> ▪ Blast Exceedance at Victoria Cross North on 17 November 2017. JHCPBG reported the exceedance of vibration levels and airblast overpressure as specified in Condition E54 from the trial blast at adjacent receivers. JHCPBG reported that a further structural engineering assessment was undertaken of 243 Miller Street (heritage listed). The assessment concluded that no additional cosmetic damage or structural damage has resulted from the trial blast on Saturday 17 November 2018 (final report pending). Further safety report is pending. ▪ Turbid water plume – Blues Point on 28 November. Following a significant rain event well in excess of typical design parameters for erosion and sediment controls, some turbid water was observed briefly off Blues Point. The EPA and DPE were informed of the event.
Sydney Metro	<p>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.</p> <p>One non-compliance was raised in relation to the Small Business Owners Support Program (SBOSP). The Sydney Metro Early Works Business Management Plan (BMP) was prepared prior to the commencement of first construction of the Sydney Yard Access Bridge on 17 June 2017. This plan includes the SBOSP, which forms a sub-plan to the Early Works BMP as required by CoA E64(d). Since the finalisation of both documents, both documents have been implemented for all works subject to them. However, to date, Sydney Metro itself has administered the SBOSP. In accordance with CoA E64(d), this needs to be administered by a Retail Advisory / Support Panel. As of November 2018, a procurement process is underway to procure members of the Retail Advisory/Support Panel to administer the SBOSP and ensure full compliance with CoA E64 (d). Sydney Metro is targeting to have membership of the panel in place by the end of 2018. Upon establishment, the Panel will administer the SBOSP.</p>
Audits	
ER attended an internal (JHCPBG) TSE Waste and Spoil Management Audit as observer during November.	
Looking Forward – Core Focus Areas	
TSE	<ul style="list-style-type: none"> ▪ Assessment of compliance with Condition E20 - specifically the Archaeological Relic Management Plan developed for the historic boat find at Barangaroo. ▪ Barging at Barangaroo and Clyde Barging Facility. ▪ Early works; site establishment and ERSED controls at Blues Point.
MP - USP	<ul style="list-style-type: none"> ▪ Ongoing development and DPE approval of the required management plans. ▪ Commencement of strip out activities as pre construction activities.