

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

5 November 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 October 2019 – TSE , Martin Place ISD, Victoria Cross ISD**

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

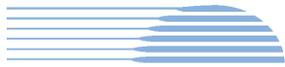
- Condition A24 (I) of the Sydney Metro City & South West Chatswood to Sydenham CSSI 15\_7400 Approval (9 January 2017) and associated modifications MOD1\_Victoria Cross and Artarmon (18 October 2017), MOD2\_Central Walk (21 December 2017), MOD4\_Sydenham Station and Metro Facility South (13 December 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 **October 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
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><b>Chatswood:</b></p> <ul style="list-style-type: none"> <li>Ongoing TBM tunnelling and cross passage construction support. Excavation of sumps in the dive.</li> </ul> <p><b>Chatswood NCW:</b></p> <ul style="list-style-type: none"> <li>Brand Street works -ongoing wall support and excavation of material in batter.</li> <li>FCW: noise walls completed; stormwater works; preparation for bitumen surfacing; batter excavation ongoing.</li> </ul> <p><b>Artarmon:</b></p> <ul style="list-style-type: none"> <li>Handed over to Line wide contractors.</li> </ul> <p><b>Crows Nest Station:</b></p> <ul style="list-style-type: none"> <li>TBM support activities.</li> <li>Continued excavation and wall support in the shark's fin area. Clarke Lane Bridge largely completed.</li> </ul> <p><b>Victoria Cross North site:</b></p> <ul style="list-style-type: none"> <li>Ongoing removal of spoil – 2 m at base of shaft to be excavated.</li> <li>Lining of adits and pedestrian passage.</li> <li>Concrete supply to wider VC site.</li> </ul> <p><b>Victoria Cross South site:</b></p> <ul style="list-style-type: none"> <li>TBM's excavating towards Blues Point. Support activities; ongoing excavation; cavern lining.</li> </ul> <p><b>Blues Point Temporary:</b></p> <ul style="list-style-type: none"> <li>Preparation for TBMs to arrive. Arrival of TBM 5.</li> <li>Removal of cutter head from TBM 5 to surface.</li> <li>Modifications to the barge for TBM transport</li> </ul> <p><b>Martin Place Station-South:</b></p> <ul style="list-style-type: none"> <li>Ongoing hammering of sandstone to gain design levels. Removal of spoil via ramp; construction of the truck loading deck.</li> </ul> <p><b>Clyde Barging Facility:</b></p> <ul style="list-style-type: none"> <li>Not Inspected. Commencement of demobilisation of the site following completion of use.</li> </ul> <p><b>Barangaroo Station:</b></p> <ul style="list-style-type: none"> <li>TBM and slurry plant operation ongoing with treated solids from the plant being stored in the area where the TBM was assembled and in a new area where the old large stockpile was in the centre of the site. TBM arrived at Blues Point on 1 November.</li> <li>Slurry spoil being removed by truck and dog with low volumes on site.</li> <li>Ongoing environmental controls including street sweeper and water cart.</li> <li>Truck bath with rumble grid as wheel wash in use.</li> <li>All spoil barging activities have ceased.</li> </ul> <p><b>Pitt Street North:</b></p> <ul style="list-style-type: none"> <li>Lining works ongoing.</li> <li>Removal of concrete hardstand from outside the shed.</li> <li>Excavation of shaft outside the acoustic shed and wall support.</li> <li>Ramp removal with last remaining heritage to be surveyed prior to excavation.</li> </ul> <p><b>Pitt Street South:</b></p> <ul style="list-style-type: none"> <li>Metro Deck - Steel bridge and decking along Pitt Street complete. Excavation and wall support continuing.</li> <li>Site sheds installed along Bathurst Street on B Class Hoarding</li> </ul> <p><b>Waterloo Station:</b></p> <ul style="list-style-type: none"> <li>Not Inspected. Limited activities reported to have been occurring.</li> </ul>	



	<p><b>Marrickville precast facility</b></p> <ul style="list-style-type: none"> <li>▪ Pre-cast facility operating.</li> <li>▪ Storage and handling of segments outside shed and in area to north.</li> </ul> <p><b>Marrickville dive site:</b></p> <ul style="list-style-type: none"> <li>▪ TBM 2 and TBM 1 break through and traverse of Martin Place. Ongoing TBM tunnelling towards Barangaroo.</li> <li>▪ Ongoing construction within the dive.</li> <li>▪ Ongoing Transgrid works including piling.</li> <li>▪ Operation of water treatment plant and other support operations.</li> </ul>
MP – USP/ISD	<ul style="list-style-type: none"> <li>▪ Excavation of site ongoing with various rock hammers on excavators.</li> <li>▪ Spoil loaded out on trucks via Castlereagh Street.</li> <li>▪ Operation of water treatment plant as needed.</li> <li>▪ Operation of water cannons and misters across the site.</li> <li>▪ One tree on Hunter Street and one tree on Castlereagh Street removed.</li> </ul>
VC-ISD	<ul style="list-style-type: none"> <li>▪ Nil works</li> </ul>
<b>ER Inspections</b>	
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 comprised:</p> <ul style="list-style-type: none"> <li>▪ Chatswood NCW (Brand Street) – erosion and sediment management</li> <li>▪ Crows Nest – dirt on Hume Street section of site</li> <li>▪ Victoria Cross South – secondary containment for IBC</li> <li>▪ Barangaroo – Dirt Tracking/ Management, secondary containment for IBC.</li> <li>▪ Marrickville Dive – Erosion and sediment control, IBC containment, Containment at Water Treatment Plant and management of wash water..</li> <li>▪ Marrickville Pre-Cast – Erosion and sediment control</li> </ul> <p>A final joint inspection (handover) inspection of Artarmon portion 11 with TSE and Line Wide occurred on September 30.</p> <p>Various notes were made in the inspection reports reflecting commitments made by the TSE Contractors and risks identified during inspections.</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 October 2019 of Martin Place North. No new issues were identified during the inspections. 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	<p>Nil</p>

<b>Endorsed Document/s</b>	
Sydney Metro	<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>
TSE	<ul style="list-style-type: none"> <li>▪ SEP for Marrickville Transgrid related works</li> </ul>
USP/ ISD- Martin Place	<ul style="list-style-type: none"> <li>▪ Out of hours works (OOHW) approvals <ul style="list-style-type: none"> <li>○ OOH20 Tree Removal</li> </ul> </li> <li>▪ Revised Construction Groundwater Management Plan (Rev 6)</li> </ul>
VC - ISD	<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>
<b>Complaints / Incidents / Non-compliance</b>	
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. Some minor spill related incidents which were fully contained on site were reported.</p>
USP/ ISD- Martin	<p>Six complaints were reported related to noise impacts from the MP-ISD project. This corresponds to increased rock hammering activities in the north of the site and across the road from businesses in</p>



Place	<p>Hunter Street. It is understood that Lend Lease has met with these businesses and have worked to modify respite periods to better suit the businesses.</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>
<b>Audits (specific to TSE, MP ISD , and VIC ISD only)</b>	
<p>Independent Audit Program - An Independent Audit of the implementation of the Construction Water Management &amp; Monitoring Plan was conducted by the Independent External Auditor in September and continued into October. The report is currently being finalised.</p>	
<b>Looking Forward – Core Focus Areas</b>	
TSE	<ul style="list-style-type: none"> <li>▪ Impacts from regenerated noise at Cross passages 43 and 44</li> <li>▪ TBM movement on barges from Blues Point</li> <li>▪ Groundwater Management at Barangaroo</li> <li>▪ ERSED controls in the Northern Corridor Area</li> <li>▪ Tracking of dust onto roads at key excavation sites</li> <li>▪ Water treatment plant and discharge at Marrickville and Barangaroo</li> </ul>
MP – USP/ISD	<ul style="list-style-type: none"> <li>▪ Management of noise, vibration and dust during bulk excavation activities</li> </ul>
VC - ISD	<ul style="list-style-type: none"> <li>▪ Nil for ER, early project planning ongoing by others</li> </ul>