

Stacy Warren  
Director Infrastructure  
Department of Planning and Environment  
GPO Box 39  
SYDNEY NSW 2001

14 January 2018

Ref: 170108-ER-DPE-Dec 17-SYAB CS NCW IW

Dear Stacy

**RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15\_7400 – ER Monthly Report for December 2017 – SYAB, CS, NCW, SSJ, and Investigation works**

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 SSI 15\_7400 MOD1 (18 October 2017); and
- As required by the subsequent appointment as the approved Environmental Representative (17 February 2017);

The attached summary details the following key activities undertaken by ERs for Sydney Metro – City and South West Chatswood to Sydenham during the month of **December 2017** for Sydney Yard Access Bridge, Sydenham Station Junction, Central Station Works, Northern Corridor Works and Investigation Works

Yours sincerely



Jo Robertson  
Environmental Representative

Cc: Fil Cerone, Matt Marrinan, Ben Armstrong, Stuart Hodgson, Nicole Williams, Adam Koutsamanis, Nicole.Zanella  
Cc: Swati Sharma



Summary of Contract Packages	Environmental Representative/s
Sydney Yard Access Bridge (SYAB) (Early Works package)	Annabelle Reyes
Sydenham Station Junction (SSJ) (Early works and Main works)	
Northern Corridor (NCW) (Early Works package)	Erran Woodward
Central Station (Early Works and Main Works)	Annabelle Reyes
Investigation Works	Annabelle Reyes
Alternate for all packages	Jo Robertson

Key Construction Activities	
Sydney Yard Access Bridge	<ul style="list-style-type: none"> <li>➤ All areas               <ul style="list-style-type: none"> <li>○ Concreting</li> <li>○ Utilities and drainage</li> <li>○ Service installation and investigation works.</li> </ul> </li> <li>➤ Sydney Yard, Rail Corridor and Mortuary Siding               <ul style="list-style-type: none"> <li>○ Constructing the bridge deck, bridge abutment and installing architectural barriers</li> <li>○ Building a reinforced earth wall</li> <li>○ Track and signalling works</li> </ul> </li> <li>➤ Regent Street               <ul style="list-style-type: none"> <li>○ Adjusting fencing and hoarding around the site perimeter</li> <li>○ Constructing concrete retaining walls</li> <li>○ Landscaping works, including lighting and CCTV installation</li> <li>○ Kerb installation and road work.</li> </ul> </li> <li>➤ Out of hours work               <ul style="list-style-type: none"> <li>○ The following OOHW works were conducted from 9 December to Friday 22 December 2017:                   <ul style="list-style-type: none"> <li>▪ Concrete finishing works</li> <li>▪ Oversized deliveries and removals via Regent Street, Lee and Eddy Avenue.</li> <li>▪ Work in Sydney Yard, the rail corridor and Mortuary siding</li> </ul> </li> <li>○ Other OOHW included work at Regent Street - utility excavation and service installation, drainage and investigation work, and driveway construction between 2am 27 December to midnight Friday 29 December 2017.</li> </ul> </li> </ul>
Sydenham Station Junction	<ul style="list-style-type: none"> <li>➤ As part of the early investigation phase, works took place for the Sydenham Station Upgrade in the rail corridor between Sydenham Station and Bedwin Road. This work was required outside of standard construction hours to ensure the safety of personnel and enable investigations in the rail corridor. Works involved:               <ul style="list-style-type: none"> <li>○ Visual inspections along the rail corridor and under Bedwin Road Bridge using an elevated work platform.</li> <li>○ Locating and confirming underground services within the rail corridor between Sydenham Station and Bedwin Road.</li> <li>○ In-ground investigations along the rail corridor between Sydenham Station and Bedwin Road</li> </ul> </li> </ul>
Northern Corridor Work	<ul style="list-style-type: none"> <li>➤ Minor works for service searching and geotechnical investigative works in the rail corridor between the south of Chatswood Station and to the north of Artarmon Station (Brand St, Artarmon to Albert Ave, Chatswood) Chainages 10.500km to 11.650km. Works were during standard hours only between 14 – 15 and 18 – 21 December 2017.</li> </ul>
Central Station	Nil
Investigation Works	Nil



<b>ER Inspections</b>	
SYAB	<p>The following ER inspections were conducted:</p> <ul style="list-style-type: none"> <li>• SYAB ER Inspection #13 – 4/12/17</li> <li>• SYAB ER Inspection #14 – 20/12/17</li> </ul> <p>ER Inspection reports were prepared and issued to Sydney Metro and SYAB Contractor. Issues raised during these inspections included adequacy of erosion and sediment controls and protection of heritage items.</p>
SSJ	Nil
NCW	Nil
Central Station	Nil
Investigation Works	Nil

<b>Endorsed Document/s</b>	
SYAB	<p>The following documents were endorsed by ER.</p> <ul style="list-style-type: none"> <li>➤ OOHW App 28 Regent St Utilities and Driveway Works Rev 3.</li> <li>➤ OOHW App 029 Regent St 27-30 December 2017 V3</li> </ul> <p>The following documents were reviewed by the ER:</p> <ul style="list-style-type: none"> <li>➤ Initial review of Compliance Tracking Register for Quarter 4 2017</li> <li>➤ OOHW App 27 WE24 and WE25 rev2</li> <li>➤ OOHW applications and EPA correspondence</li> <li>➤ Draft Independent Audit Report</li> </ul>
SSJ	There were no documents reviewed or endorsed for Sydenham Station Junction.
NCW	<p>The following draft documents were reviewed by ER:</p> <ul style="list-style-type: none"> <li>➤ MWA009 Mid-Week 24 - 30 Geotechnical Investigative works – NCW Portion 7A.</li> <li>➤ OOHW Application #07: Week-End 33 Possession</li> <li>➤ OOHW Application #08: Week-End 35 Possession</li> <li>➤ OOHW Application #06: Mid-Week 29 Possession (supersedes previous version)</li> <li>➤ MWA006 Drake Street Site Compound Establishment, Geotechnical Investigations, Site Establishment and Deliveries for Possessions 33 and 35 – NCW Portion 7A</li> <li>➤ Construction Ancillary Facilities Management Plan</li> <li>➤ Construction Noise and Vibration Management Plan</li> <li>➤ Construction Noise and Vibration Impact Statement</li> <li>➤ Construction Noise and Vibration Monitoring Program</li> </ul>
Central Station	Nil
Investigation Works	Nil

<b>Non-compliance/ Incidents or Repeat Complaints</b>	
SYAB	<p>There were no incidents as defined by the project approval definition for incidents reported or observed by the ER during the period or reported to DPE under condition A41.</p> <p>There were three (3) noise complaints received between 10-12 December 2017 during out of hours works. It was noted that alternative accommodation was offered to residents during these night works.</p> <p>It is understood that Sydney Metro has been providing summaries of complaints to DPE on a fortnightly basis for non-EPL work sites.</p>
SSJ	Nil
NCW	Nil



Central Station	Nil
Investigation Works	Nil

Audits	
SYAB	<p>An Independent Environmental Audit was conducted on 4 December 2017. The objective of the audit was to assess the implementation of Heritage Management plans and controls, including processes to address visual amenity criteria prescribed for Mortuary Station. In addition, the effectiveness of plans, procedures and controls to mitigate noise and vibration impacts were also assessed. Audit Criteria included relevant conditions from the Chatswood to Sydenham Planning Approval (SSI 15_7400) and related requirements documented in the LORA Construction Heritage Management and LORA Noise &amp; Vibration Management Plans. The Audit Scope included the following processes and activities:</p> <ul style="list-style-type: none"> <li>• Design review processes, focussing on Minister’s Condition of Approval (MCoA) E11;</li> <li>• Design inputs including PIR 2.6 Design Principles and Objectives;</li> <li>• Heritage protection measures, management and monitoring;</li> <li>• Heritage related stakeholder consultation and supervision;</li> <li>• Noise and vibration (N &amp; V) assessment and mitigation measures; and</li> <li>• Sensitive noise and vibration receiver notifications and targeted mitigation measures.</li> </ul> <p>The scope of this audit excluded heritage-related planning obligations retained by Sydney Metro such as archival recording and heritage architect provision to the Sydney Metro Design Review Panel.</p> <p>One (1) Audit Finding (calibration of the noise monitoring equipment) was noted requiring action and tracking through this independent audit process. A second finding concerned missing protection and signage for the heritage Shunters Hut. This was observed during the site inspection and has been addressed via the ER inspection process.</p>
SSJ	Nil
NCW	Nil
Central Station	Nil
Investigation Works	Nil

Looking Forward	
SYAB	<p>Core Focus Areas for the coming month are:</p> <ul style="list-style-type: none"> <li>➤ Quarterly Compliance Tracking Review for Quarter 4 2017</li> <li>➤ Noise management during out of hours works during weekend possessions in January 2018.</li> <li>➤ Traffic management on Regent Street during utility relocation works.</li> <li>➤ Interface management with Sydney Trains during track and signalling works.</li> <li>➤ Out of hours works approvals and implementation of mitigation measures including the alternative accommodation offer as required.</li> </ul>
SSJ	<p>Core Focus Areas for the coming month are:</p> <ul style="list-style-type: none"> <li>➤ Approval of minor works and out of hours works for the continuing site investigation works;</li> <li>➤ Consultation with EPA regarding the application of new project EPL or arrangement of variations on working under Sydney Trains EPL; and</li> <li>➤ The preparation of construction environmental management plan and sub-plans.</li> <li>➤ Quarterly Compliance Tracking Review</li> </ul>



NCW	Core Focus Areas for the coming month are: <ul style="list-style-type: none"><li>➤ Approval of minor works and out of hours works with the continuing site investigation works; and</li><li>➤ Submission of construction environmental management plans to DPE for approval.</li><li>➤ Pre-construction compliance review</li></ul>
Central Station	Nil
Investigation Works	Core Focus Areas for the coming month include: <ul style="list-style-type: none"><li>➤ Approval of minor works, and</li><li>➤ Out of hours works with the continuing site investigation works at the following sites:<ul style="list-style-type: none"><li>○ Northern Corridor</li><li>○ Barangaroo</li><li>○ Central Station</li><li>○ Blues Point</li></ul></li></ul>
<b>Other</b>	
Nil	