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Department of Planning Industry and Environment  
GPO Box 39  
SYDNEY NSW 2001

5/08/2019

Ref: 170108-ER-DPIE-Jul19-SSJ CS NCW IW LW S2B

Dear Erica

**Re: Sydney Metro City & South West - ER Monthly Report for July 2019 – CS, NCW, SSJ, LW and S2B**

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

- Condition A24 (l) 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 6\_Administrative Changes (21 February 2019);
- Condition A26(j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI\_8256 Approval (12 December 2018); and

The attached summary details the following key activities undertaken by ERs for Sydney Metro – City and South West Chatswood to Sydenham (C2S) during the month of **July 2019** for Sydenham Station Junction, Central Station, Northern Corridor and Line Wide Works.

It also provides a summary in relation to the Sydney Metro - Sydenham to Bankstown (S2B) for the same period.

Yours sincerely

Jo Robertson  
Environmental Representative

Sydney Metro Cc: Fil Cerone, Matt Marrinan, Ben Armstrong, Stuart Hodgson, Adam Koutsamanis, Margarita Ognjanovic, Andrew Hendy, Simon Fisher,  
DPIE Cc: Elizabeth Williamson, Kate Moore, Alice Pryke  
IEP Cc: Larry Weiss, Julie Dickson



Summary of Contract Packages	Environmental Representative/s
Sydenham Station Junction (SSJ)	Alberto Paludetto
Central Station	Alberto Paludetto
Northern Corridor (NCW)	Peter Hatton
Sydenham to Bankstown Sydney Metro Early Works (SMEW)	Jo Robertson
Line Wide (Tallawong to Bankstown)	Peter Hatton
Key Construction Activities	
Sydenham Station Junction (SSJ)	<ul style="list-style-type: none"> <li>▪ Corridor:               <ul style="list-style-type: none"> <li>○ CSR installation</li> <li>○ Drainage installation</li> <li>○ Excavation to complete CSR connection to services in rail corridor, overhead wiring and retaining wall construction continuing adjacent Fraser Park</li> <li>○ Preparing installed sections and headstock for placement of precast concrete concourse over the rail corridor</li> <li>○ Installation of bridge beams across platforms within Sydenham Station</li> </ul> </li> <li>▪ 11 Sydenham Rd Marrickville:               <ul style="list-style-type: none"> <li>○ Management and disposal of Potential Acid Sulfate Soil (PASS), earthworks backfilling, delivery of concrete pipe sections</li> </ul> </li> <li>▪ Sydenham Pit:               <ul style="list-style-type: none"> <li>○ Piling of aqueduct support columns completed. Construction of new access ramp is continuing,</li> </ul> </li> <li>▪ Communications relocation works commencing in Lower Railway Pde</li> </ul>
Northern Corridor Works (NCW)	<ul style="list-style-type: none"> <li>▪ Overhead wiring works</li> <li>▪ Noise wall construction</li> <li>▪ Cess drainage works</li> <li>▪ Deep drainage construction</li> <li>▪ Combined services routes works</li> <li>▪ GST construction (Signals and Communications)</li> <li>▪ Track construction</li> </ul>
Central Station	<ul style="list-style-type: none"> <li>▪ Archaeological clearance is ongoing in the area between Y Tunnel and Devonshire Street Tunnel including hand sieving of excavated material from the archaeological excavations.</li> <li>▪ Application of spray-crete between piles, in preparation of formwork and concrete pour for the capping beam</li> <li>▪ Removal of concrete turrets</li> <li>▪ Blinding layer construction at the northern end of the Metro Box is ongoing as is formwork, reinforcing and concrete pouring works</li> <li>▪ Construction of new secant piles to support the Devonshire Street Tunnel</li> <li>▪ Removal of classified waste, then backfilling with clean fill.</li> <li>▪ The excavation along Platform 1 for combined services route (CSR) was completed</li> <li>▪ Installation of new wheel wash facility</li> <li>▪ Installation of vapour wells from potential gasworks area</li> <li>▪ Demolition of stairs continuing in upper Northern Concourse area to the lower Concourse.</li> <li>▪ Installation of hoardings for internal construction</li> <li>▪ Bounce Hotel demolition and debris disposal. Top 2 floors removed, 1-2 floors remaining</li> <li>▪ Hazmat removal behind Eastern Suburbs Rail Concourse (ESR), demolition of existing concrete floor and concrete recycling</li> <li>▪ Construction of alignment for new GST as part of CSR route</li> </ul>
SMEW	<ul style="list-style-type: none"> <li>▪ Early investigation works (low impact work) including:               <ul style="list-style-type: none"> <li>○ After hours deliveries.</li> <li>○ Survey works of stations and bridges (3D scanning and service locating).</li> <li>○ Structural bridge inspections.</li> <li>○ Investigations at stations (including foundation test pits and geotechnical investigation of platform).</li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li>○ Service searching (non destructive digging).</li> <li>○ Corridor geotechnical investigations.</li> <li>○ Installation of combined services route (low impact works only).</li> </ul> <p>Note that Construction will be commencing in August now that the CEMP has been approved.</p>
Line Wide	<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>
<b>ER Inspections</b>	
SSJ	There were two inspections conducted by the ER in July 2019. Issues identified during inspections involved potential dust migration off site during windy weather, and concrete waste management. JHLOR need to consider applying soil binders/ tackifiers over exposed areas and ensure concrete washout is contained as per the standard project practice. The ER Inspection reports were prepared and issued to Sydney Metro and the SSJ Contractor, the John Holland Laing O'Rourke Joint Venture (JHLORJV).
NCW	No inspections were required in July 2019.
Central Station	There were two ER inspections conducted in July 2019. Issues identified during inspections, involved a stockpile storage area being filled beyond capacity creating the risk that materials could spill into the adjacent Sydney Trains property and the nearby stormwater drain. ER inspection reports have been prepared and issued to Sydney Metro and the CSMW Contractor Laing O'Rourke (LOR). Various notes were recorded in the reports reflecting commitments made by LOR.
SMEW	There was one ER inspection conducted in July 2019 for pre-construction activities. A minor issue related to storage of materials in the vegetation drip lines was observed and corrected.
Line Wide	No inspections were required in July 2019.
<b>Endorsed Document/s</b>	
SSJ	<ul style="list-style-type: none"> <li>▪ Ancillary Facility Management Plan</li> <li>▪ Air Quality Management Plan,</li> <li>▪ Soil and Water Management Plan and</li> <li>▪ Heritage Management Plan</li> </ul>
NCW	<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>
Central Station	<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>
SMEW	<ul style="list-style-type: none"> <li>▪ Utilities Management Strategy Multiple version Rev 04</li> <li>▪ 20190708 City Southwest Compliance Monitoring Tracking and Reporting Program Report</li> <li>▪ Visual Amenity Management Plan Rev 02</li> <li>▪ Overarching Community Communications Strategy Rev 6.3</li> </ul>
Line Wide	<ul style="list-style-type: none"> <li>▪ OOHWA 001 - Canterbury to Campsie Early Works Service Investigations Rev00</li> </ul>
<b>Non-compliance/ Incidents or Repeat Complaints</b>	
Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.	
SSJ	Incidents and complaints for this site during the period included: <ul style="list-style-type: none"> <li>▪ Potential disturbance of rodents' nests</li> <li>▪ Other proponents' contractors occupying public parking area</li> </ul>
NCW	A number of complaints were made in association with the NCW Portion 7A works regarding noise and vibration, light spill, standard of alternative accommodation and traffic management.
Central Station	Incidents and complaints for this site during the period included: <ul style="list-style-type: none"> <li>▪ Access delays to carpark and poor cooperation of a truck driver</li> <li>▪ On the 6th July two complaints were received at 9.30 am and 11 am regarding works starting before approved working hours. A non compliance was raised and the following corrective actions undertaken: <ul style="list-style-type: none"> <li>○ Working hours reminded to Subcontractor (DELTA) representative during weekly meeting on 09/07/19</li> <li>○ Excellence in noise management video – shown to Laing O Rouke/Delta management (09/07/19)</li> <li>○ Excellence in noise management video – shown to DELTA crew (16/07/29)</li> <li>○ Head Contractor (LOR) sent a contractual letter to the contractor regarding the non-</li> </ul> </li> </ul>



	<p>compliance</p> <ul style="list-style-type: none"> <li>○ Follow up calls and email to both residents (apology and advice of above mitigation in place to avoid repetition)</li> <li>▪ Resident complaint about noise subsequently found to be from Sydney Trains works</li> <li>▪ Noise from early morning approved works and adequacy of mitigation measures.</li> </ul>
SMEW	<p>No incidents or non conformances were identified in reporting period. There was a related complaint about the status of the timing of the Temporary Transport Plan preparation.</p>
Line Wide	<p>No incidents, non compliances or complaints.</p>
<b>Audits</b>	
SSJ	<p>No ER involvement in audit activity. No Independent Environmental Audits (IEA program).</p>
NCW	<p>No ER involvement in audit activity. No Independent Environmental Audits (IEA program).</p>
Central Station	<p>No ER involvement in audit activity. No Independent Environmental Audits (IEA program).</p>
SMEW	<p>No ER involvement in audit activity. No Independent Environmental Audits (IEA program).</p>
Line Wide	<p>No ER involvement in audit activity. No Independent Environmental Audits (IEA program).</p>
<b>Looking Forward – Core Focus Areas</b>	
Sydney Metro	<ul style="list-style-type: none"> <li>▪ Compliance review for Q1 and Q2 for 2019.</li> </ul>
SSJ	<ul style="list-style-type: none"> <li>▪ Flood management and the flood report compliance</li> <li>▪ Construction of new ramp, access platform and pump house update at Sydenham Pit</li> <li>▪ Protection and relocation of sewer and water utilities</li> <li>▪ Communications relocation works</li> </ul>
NCW	<ul style="list-style-type: none"> <li>▪ Management of noise and vibration during possession works in light of numerous complaints</li> <li>▪ Management of sediment movement and mud-tracking off-site</li> <li>▪ Management of project vehicle parking</li> </ul>
Central Station	<ul style="list-style-type: none"> <li>▪ Implementation of archaeological method statements or Central Walk and Eastern Entrance.</li> <li>▪ Road use changes and closures at Randle Street and nearby streets east of Central Station.</li> <li>▪ Cumulative impacts from contemporaneous projects.</li> <li>▪ Unexpected heritage finds post Clearance in Metro Box and along new CSR route</li> <li>▪ Development of the Heritage Interpretation Plan.</li> </ul>
SMEW	<ul style="list-style-type: none"> <li>▪ Commencement of works under the approved CEMP</li> <li>▪ Commencement of ER inspections.</li> <li>▪ Approval of OOHW under the OOHW Protocol.</li> <li>▪ Works conducted during possession under the Sydney Trains Environment Protection Licence (EPL).</li> </ul>
Line Wide	<ul style="list-style-type: none"> <li>▪ Planning for early investigations.</li> <li>▪ Strategy for delivery of multiple approvals.</li> <li>▪ Endorsement of early works and OOHW applications</li> <li>▪ Input and endorsement as required to pre commencement approval documentation.</li> <li>▪ Occupation of SMTF (North) construction site.</li> <li>▪ Commencement of ER inspections.</li> </ul>