

Mr Rob Sherry  
Team Leader Compliance – Government Projects  
Department of Planning, Industry and Environment  
Locked Bag 5022  
PARRAMATTA NSW 2124

4 May 2020

Ref: 170108-ERDPIEApr20-SSJCSLWTSOMS2B

Dear Rob

**Re: Sydney Metro City and South West - ER Monthly Report for April 2020 – CS, NCW, SSJ, LW, TSOM and S2B**

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

- Condition A24 (l) of the Sydney Metro City and 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), MOD3\_Martin Place Metro Station (22 March 2018), MOD5\_Blues Point Acoustic Shed (2 November 2018) and MOD6\_Administrative Changes (21 February 2019);
- Condition A26(j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI\_8256 Approval (12 December 2018).

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 **April 2020** for Sydenham Station and 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.

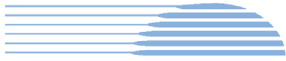
Yours sincerely

Jo Robertson  
Environmental Representative

Sydney Metro Cc: Carolyn Riley, Fil Cerone, Ben Armstrong, Hugh Chapman, Andrew Hendy, Simon Fisher, Tim Solomon, Ann Patterson,  
DPIE Cc: Elizabeth Williamson, Alice Pryke, Erica van den Honert  
IEP Cc: Larry Weiss, Julie Dickson



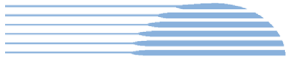
Summary of Contract Packages		Environmental Representative/s
Sydenham Station and Junction (SSJ)		Jo Heltborg
Central Station		Michael Woolley
Northern Corridor (NCW)		Peter Hatton
Line Wide (Tallawong to Bankstown)		Peter Hatton
TSOM (Train Service Operation and Maintenance)		Peter Hatton
Sydenham to Bankstown Sydney Metro Early Works (SMEW)		Jo Robertson
Key Construction Activities		
Sydenham Station and Junction (SSJ)	<ul style="list-style-type: none"> <li>▪ Geotechnical Area - Retaining wall construction in the rail corridor ongoing</li> <li>▪ Burrows Ave/ Platform 6 - Demolition of the Platform 6 building including salvage of heritage items</li> <li>▪ Concourse and Platforms 4, 5 &amp; 6 - Installation of roof flashing, balustrades, canopies and glazing beams; requiring lane closure along Burrows Ave between Hogan &amp; Gleeson Ave</li> <li>▪ Bolton St / Hogan Ave – Ausgrid service / trenching works were undertaken over two nights the week of 13-17 April and 2 nights the week of 27-30 April</li> <li>▪ Platforms 1&amp;2 – Northern end of Platforms 1 &amp; 2 demolished (asbestos contamination in soil). Excavation, levelling and piling works for new Sydney Metro platforms and lifts shafts was ongoing</li> <li>▪ 11 Sydenham Rd – Backfilling and joining of precast lower culvert cells. Construction of new temporary haul road through the centre of the site complete and in use. New pedestrian crossing and traffic light work on Sydenham Rd (limited to pram ramps and footpath restoration). Construction of retaining wall adjacent to Sydenham Pit ongoing; Sewer installation works</li> <li>▪ 11 Sydenham Rd traffic triangle area –Demolition of wall between mid-culverts and triangle and commencement of excavation of the triangle area in preparation for culvert tie-in (scheduled end May 2020). Under bore planned from entrance to 11 Sydenham Rd extending under the rail corridor to Hogan Ave (Sep-Oct 2020); potential to encounter groundwater remains and is to be confirmed during proposed investigation works</li> <li>▪ Sydenham Pit and Pumping Station – Works continuing on the aqueduct including formwork, reo, strip scaffold and sand pours. Installation of precast on top of the aqueduct</li> <li>▪ Confluence Area – Construction of walls and overflow structure, including concrete pours and erection/stripping of formwork</li> </ul>	
Central Station	<ul style="list-style-type: none"> <li>▪ Spoil trucks and other vehicles using SYAB</li> <li>▪ Metro Box (north of and including the exposed Y pedestrian tunnel) - Truck movements; spoil excavation; air treatment; sweeping of haul road. Ongoing excavation and construction activities. Tower crane installation</li> <li>▪ Metro Box and Sydney Yard (south of the exposed Y pedestrian tunnel) Water Treatment Plant Operation; truck access; laydown. Crushing and stockpile of excavated material</li> <li>▪ Northern Concourse - Column mould and treehead installation, treehead propping installation on NS concourse, column reinforcement installation, general site clean up</li> <li>▪ Platform 16 to 23 - Recent possession works. Various canopy load transfer; tracks slab and other works</li> <li>▪ Eastern Entrance - Removal of pile mat, load out, excavation around piles and ground support, pile coring, binding concrete, welding for temporary deck</li> </ul>	



	<ul style="list-style-type: none"> <li>▪ Ongoing support for CSR works including stockpiling of spoil; laydown for equipment; crib shed. Some use of area by Sydney Trains</li> <li>▪ Ongoing GST construction along Darling Harbour Goods line</li> <li>▪ Excavation under SYAB (eastern buttress) ongoing. Sheet piles installed and excavation of soils to approx. 3m so as to access existing access tunnel. Concrete pits installed. No additional heritage finds reported</li> </ul>
Northern Corridor Works (NCW)	<ul style="list-style-type: none"> <li>▪ Installation of permanent survey plaques</li> <li>▪ Inspection and examination of rail wear and condition, ballast and sleepers</li> <li>▪ Demobilisation from Brand Street to Chatswood and Valetta Lane laydown area</li> </ul>
Line Wide	<p>SMTF</p> <ul style="list-style-type: none"> <li>▪ Potholing outside maintenance building</li> <li>▪ CSR works near Tallawong Rd</li> <li>▪ On-going construction of SER building</li> <li>▪ On-going work on construction of the test track / capping preparation</li> <li>▪ On-going emplacement of sleepers and rail in SMTF expansion areas</li> <li>▪ Lining fence around drainage pits</li> <li>▪ Clearing batter for rock breaking.</li> <li>▪ Removal of old CSR</li> <li>▪ Wayside footings</li> <li>▪ CSR pit investigation in various areas</li> <li>▪ Batter detail near Tallawong Rd</li> <li>▪ Construction of access platforms</li> <li>▪ Works in HV RT and cable pull</li> <li>▪ RTF #38 relocation</li> </ul>
TSOM	<ul style="list-style-type: none"> <li>▪ Commencement of building modification works at the Operational Control Centre (OCC) at Tallawong</li> </ul>
SMEW	<ul style="list-style-type: none"> <li>▪ Commencement of earth embankment at Retaining Wall 1 (RW1) involving some minor excavation and removal of material to Broughton Street</li> <li>▪ Piling cutting works at Retaining Wall 2. Temporary ERSED controls in place due to delay of temporary design of the piling pad for the saw nail works</li> </ul>
<b>ER Inspections - ER inspections have been modified to observe Coronavirus pandemic protocols</b>	
SSJ	<p>There were three inspections conducted by the ER in April 2020. The key issues identified during the inspections were:</p> <ul style="list-style-type: none"> <li>▪ CRS Works Area – Minor ERSED issue</li> <li>▪ Confluence Area – The risk of sediment-laden runoff from this area was heightened due to the lining coming loose from batters, exposing bare earth. Runoff from this area would be uncontrolled into Sydenham Pit.</li> <li>▪ Geotech Area – Incorrect packaged fuel storage (jerry cans)</li> <li>▪ Burrows Ave – Sediment and building debris were observed in the gutters.</li> <li>▪ Railway Pde – Debris and litter, including cigarette butts had accumulated at a small stormwater diversion pipe in the gutter adjacent to Platform 1.</li> <li>▪ Hogan Ave – Damage to the roots of a tree on the corner of Hogan Ave and Burrows Ave was observed, likely to have occurred during recent Ausgrid trenching works.</li> <li>▪ Ongoing issues were identified at Garden Street and 11 Sydenham Rd.             <ul style="list-style-type: none"> <li>○ Garden Street: The bitumen surface at the lower end of Garden St had become unstable from heavy vehicle movements, presenting an increased risk of sediment-laden runoff offsite, and tracking onto public roads. Water pooling on site has been contributing to this issue. JHLOR have engaged an ERSED specialist to provide options for implementation in this area.</li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li>○ 11 Sydenham Rd: Stockpiles remain uncovered. JHLOR are waiting for the right conditions to apply soil binder.</li> </ul>
Central Station	<p>There were two ER inspections conducted in April 2020. The key issues discussed at these inspections were:</p> <ul style="list-style-type: none"> <li>▪ Street sweeper in metro box not fitted with squawker reversing beeper. Contractor to ensure it conforms to Section 8 of the CNVMP</li> <li>▪ Sydney Yard: Internal sediment protection curtain on stormwater drain has become dislodged</li> </ul>
NCW	There were no ER inspections conducted in April 2020
Line Wide	There were two inspections in April 2020 for SMTF. The key issues discussed at these inspections were: Waste management and segregation, temporary use of Tallawong Metro Station commuter car park by construction worker vehicles, sediment basin management, dust control, change from fortnightly to monthly inspection regime at SMTF. No other Line Wide area inspections in April.
TSOM	No inspections during the reporting period.
SMEW	There were two ER inspections conducted in April 2020. Issues identified were related to minor ERSED controls and investigation of an out of hour's noise complaint. The site is being well managed.
<b>Endorsed Document/s</b>	
SSJ	<ul style="list-style-type: none"> <li>▪ Construction Environmental Management Plan Rev 10</li> <li>▪ Construction Heritage Management Plan Rev 7</li> <li>▪ Air Quality Management Plan Rev 8</li> <li>▪ Construction Soil and Water Management Plan Rev 8</li> </ul>
Central Station	<ul style="list-style-type: none"> <li>▪ Nil this period</li> </ul>
NCW	<ul style="list-style-type: none"> <li>▪ Nil this period</li> </ul>
Line Wide	<ul style="list-style-type: none"> <li>▪ SMCSW SH2W Construction Noise and Vibration Impact Statement 2 Rev0</li> <li>▪ SMCSW CA BPS Routes to Artarmon and Waterloo SS Rev1.2</li> <li>▪ CSW SHBPS CNVIS r6 Rev1</li> <li>▪ CSW ASBPS CNVIS r3 Rev0</li> <li>▪ CSW CNVIS SHBPS R3 Rev0</li> <li>▪ CSW SH2W CNVIS R5 Rev0</li> <li>▪ CSW NCW CNVIS 5 Rev0</li> <li>▪ CSW SMTF CTMP 3 Rev0</li> <li>▪ CSW SH2W CNVIS 2 Rev0</li> <li>▪ AFA-001_SS18256_S2B Ancillary Facility _Approved-ER Endorse Rev1</li> <li>▪ CSW NCWAFMP A Rev0</li> </ul>
TSOM	<ul style="list-style-type: none"> <li>▪ Minor Works Approval</li> </ul>
SMEW	<ul style="list-style-type: none"> <li>▪ SMEW Visual Amenity Management Plan R3 and R4</li> <li>▪ Metron T2M - Sanitary Pipe Investigations at Hurlstone Park, Campsie and Belmore stations – Low Impact Works</li> <li>▪ Metron T2M Vegetation Trimming Minor Works</li> </ul>
<b>Non-compliance/ Incidents or Repeat Complaints</b>	
<p>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.</p>	
SSJ	<p>There were no incidents for SSJ reported to the ER under conditions A41 to A44 of SSI 7400.</p> <p>There were no non-compliances raised for SSJ during April 2020:</p>

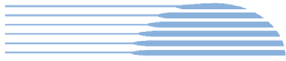


	One complaint was received for SSJ during the reporting period. The complaint related to noise during out of hours works during installation of a beam on Platform 5, Sydenham Station. JHLOR confirmed noise levels were within the range predicted during modelling.
Central Station	Complaint aspects for this site during the period included noise from day works and available respite, use of haulage routes, and light from out of hours works. The complaint relating to spoil trucks was investigated by LOR and haul trucks were found to have used local roads not approved as haulage routes in the CTMP for Central Station. LOR issued a Non Conformance Report for this event. There were no incidents for SSJ reported to the ER under conditions A41 to A44 of SSI 7400.
NCW	Complaints received during this period related to noise and flashing lights during possession works, and the street parking of site vehicles in Brand Street associated with track work during possession and associated respite. The ER is not aware of any non compliances. There were no incidents reported to the ER under conditions A41 to A44 of SSI 7400.
Line Wide	Complaints received during this period related to noisy night work on Albion St (Surry Hills 33kv) There was a minor fuel spill from a jerry can. The ER is not aware of any non compliances.
TSOM	No complaints, incidents or non-compliances
SMEW	A complaint received during this period for noise and vibration was investigated with the source found to be from the complainants building. A property damage complaint is under investigation. There were no incidents reported to the ER under conditions A36 of SSI 8256. The ER is not aware of any non compliances.

<b>Audits</b>	
SSJ	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
NCW	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
Central Station	An Independent Environmental Audit is planned for 2 <sup>nd</sup> and 8 <sup>th</sup> May 2020 to cover Monitoring Programs and Controls. The briefing documents have been issued to the ER for information.
Line Wide	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
TSOM	No audits proposed
SMEW	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
<b>Looking Forward – Core Focus Areas</b>	
Sydney Metro	<ul style="list-style-type: none"> <li>▪ Update to the Out of Hours Works Protocol to align with changes to the POEO Act</li> <li>▪ Impact of extended working hours</li> <li>▪ Construction Compliance Report</li> </ul>



SSJ	<ul style="list-style-type: none"><li>▪ The potential to encounter groundwater during excavations for an underbore from 11 Sydenham Road to Hogan Ave.</li><li>▪ Potential environmental impacts from culvert tie-in works at the triangle area.</li><li>▪ Management of ERSED controls generally, including stockpile management at 11 Sydenham Rd, and damage to surfaces and tracking at Garden Street.</li><li>▪ The compliant storage of hazardous chemicals, including fuel.</li><li>▪ Completion of station structures and noise impacts during OOHW.</li><li>▪ Compliance review Q1 2020.</li></ul>
NCW	<ul style="list-style-type: none"><li>▪ LORAC contract completes 30 June. Ensure site rehabilitation activities completed to required standard.</li></ul>
Central Station	<ul style="list-style-type: none"><li>▪ Compliance reviews to be completed</li><li>▪ Noise and vibration management at the Eastern Entrance</li></ul>
Line Wide	<ul style="list-style-type: none"><li>▪ SMTF (North) construction site works, especially dust management</li><li>▪ Surry Hills to Waterloo 33 kV works</li><li>▪ Cumulative impacts from adjacent projects</li><li>▪ Noise and vibration management during OOHW for construction of portal between Chatswood and Artarmon</li><li>▪ Stakeholder engagement during transition/ handover between construction contractors</li><li>▪ Noise and vibration management during construction of 33 kV BPS from Campsie to Canterbury as well as resident access disruption and traffic management</li><li>▪ Compliance review Q1 2020</li></ul>
TSOM	<ul style="list-style-type: none"><li>▪ Compliance with LWW Construction Traffic Management Plan</li></ul>
SMEW	<ul style="list-style-type: none"><li>▪ Environmental controls associated with saw nailing soon to commence in proximity to Cooks River</li><li>▪ Temporary road closure works</li><li>▪ Compliance review Q1, 2020</li></ul>



### **Statement of Limitations**

Healthy Buildings International (HBI) has prepared this report in accordance with the requirements of Condition A24(l) of the Sydney Metro Conditions of Approval (CSSI 15\_7400) and Condition A26(j) of the Sydney Metro Conditions of Approval (CSSI 17\_8256). The report is for the sole purposes of Department of Planning Industry and Environment (DPIE) and Sydney Metro. It has been prepared based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made as to the professional advice included in this Report. This report did not assess any aspects relating to safety.

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