

Mr Rob Sherry
Team Leader Compliance – Government Projects
Department of Planning, Industry and Environment
GPO Box 39
SYDNEY NSW 2001

9 January 2020

Ref: 170108-ER-DPIE-Dec19-SSJ CS NCW LW S2B

Dear Rob

Re: Sydney Metro City & South West - ER Monthly Report for December 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), 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 **December 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

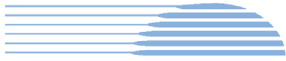
Sydney Metro Cc: Fil Cerone, Matt Marrinan, Ben Armstrong, Stuart Hodgson, Adam Koutsamanis, Andrew Hendy, Simon Fisher, Tim Solomon, Ann Patterson,
DPIE Cc: Elizabeth Williamson, Alice Pryke, Erica van den Honert
IEP Cc: Larry Weiss, Julie Dickson



Summary of Contract Packages	Environmental Representative/s
Sydenham Station Junction (SSJ)	Jo Heltborg
Central Station	Michael Woolley
Northern Corridor (NCW)	Peter Hatton
Line Wide (Tallawong to Bankstown)	Peter Hatton
Sydenham to Bankstown Sydney Metro Early Works (SMEW)	Jo Robertson

Key Construction Activities

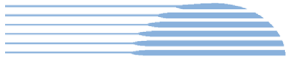
<p>Sydenham Station Junction (SSJ)</p>	<ul style="list-style-type: none"> ▪ Combined Services Route (CSR) works at Fraser Park, including construction of the canal bridge. ▪ Christmas possession works commenced 24 December. Works in the rail corridor included track realignment, tamping, capping, ballast replacement, and overhead wiring. ▪ Corner of Unwins Bridge Rd & Hogan Ave - Traffic island removed to allow construction vehicle access to Burrows Ave during road closure. ▪ Burrows Ave - Road closure was in place in December ahead of Christmas shutdown to allow station canopy assembly before crane lift above Platforms 4, 5 & 6. Four lift roof canopies were lifted by crane during the Christmas shutdown, and two prior (first lift commenced night of 12 December, and last lift night of 27th December). Burrows Ave was reopened on schedule on 28th December. ▪ Bolton Street Laydown Area in use for storage of redundant signalling equipment. Way Street and XPT laydown areas also in use. ▪ 11 Sydenham Rd – culvert construction activities, treatment of potential acid sulphate soil (PASS), and segregation and stockpiling of excavated materials. ▪ Underbore to Bolton St and continuation of high voltage cable. ▪ Sydenham Pumping Station and Pit – Construction of access ramp including concrete pours. The aqueduct support columns were constructed, and further crane lift of Super T’s into place. Dust suppression activities. ▪ Confluence Area – Excavation for confluence structure to Sydenham Pit underway.
<p>Central Station</p>	<ul style="list-style-type: none"> ▪ Spoil trucks and other vehicles continue use of SYAB. ▪ Excavation of natural soils beneath Metro Box track slab. Loading of spoil onto trucks for offsite disposal. Water carts observed in use during inspections. Construction of adit for concourse with connection made to Platform 16. ▪ Construction of blinding and metro track base layers was ongoing. ▪ Heritage excavations continued and were completed on former haul road at southern end. ▪ A portion of the Olympic Tunnel continues to be closed. As a consequence, commuters enter Central Station using an extended bridge, aided by additional wayfinding signage. Hoardings and signage for wayfinding on the upper Concourse have been installed to allow commuters to access the Station safely, separated from work areas ▪ Continuation of piling in the Randle Lane. This is day works only and the Lane is re-opened at or before 6 pm. A total of 66 piles are to be constructed in this area. ▪ Combined services route (CSR) works occurring outside of the end of the platform exposed foundations of a building. These were considered to be of local significance and have been managed accordingly. ▪ Commissioning of Water Treatment Plant is ongoing-waiting for sufficient water from the excavation to properly commission ▪ Metro Box excavation south of the Devonshire Street Tunnel



Northern Corridor Works (NCW)	<ul style="list-style-type: none"> ▪ Track – Skeleton track works (Country end) ▪ Overhead wiring – Preparation works for temporary down slew and delivery of materials to site ▪ Signals/Communications – Train stop suppression and support works ▪ CSR – Tuning units, installation of train stop conduit and GST on down ▪ Drainage and civil – Removal of OHS and grouting of drainage line
Line Wide	<p>SMTF (North)</p> <ul style="list-style-type: none"> ▪ Excavation of fire ring main and drainage trenches and associated installation of services ▪ Erection of overhead wiring structures ▪ Spoil haulage ▪ Levelling of spoil on Snake Mountain (stockpile site)
SMEW	<ul style="list-style-type: none"> ▪ Ness Avenue - additional lower pile to the bridge deck support piles completed. ▪ Haul road construction at Retaining Wall 2 was completed ▪ Import of sandstone to fill the haul road was ongoing at Retaining Wall 3
ER Inspections	
SSJ	There were two inspections conducted by the ER in December 2019. Issues identified during inspections involved: minor erosion and sediment control issues, hazardous chemical signage and storage, dust control, tree protection and spill management.
Central Station	There was one ER inspection conducted in December 2019. No new key issues were identified.
NCW	There were no ER inspections conducted in December 2019.
Line Wide	<p>There were two inspections in December 2019. The key issues discussed at these inspections were:</p> <ul style="list-style-type: none"> ▪ Dust suppression generally and use of alternative sources of water for dust suppression including MTS stormwater detention basins and 97 Schofields Rd. ▪ The installation of sediment level markers in the site sediment basin. ▪ Polymer application to stockpiles to provide stabilisation before Christmas shut down. ▪ Upgrade of access/egress arrangements. ▪ Waste management
SMEW	<p>There were two ER inspections conducted in December 2019. Key issues identified were related to:</p> <ul style="list-style-type: none"> ▪ Installation of haul roads and associated sub surface drainage in preparation for works to batter ▪ Stabilisation of batters at all times ▪ Minor erosion and sediment control issues ▪ Management of potentially contaminated stockpiles in the rail corridor and the interface between Sydney Trains and the project
Endorsed Document/s	
SSJ	<ul style="list-style-type: none"> ▪ SMCSWSSJ-JHL-WSS-EM-REC-000012 - St Peters Laydown - Rev01 ▪ SSJ-PACA-02-Bolton St Ancillary Facility R4
Central Station	<ul style="list-style-type: none"> ▪ CSMW 2019 Q3 CTR
NCW	<ul style="list-style-type: none"> ▪ OOHWA 025 Rev 3 Portion 7 (7A + 7B)
Line Wide	<ul style="list-style-type: none"> ▪ Construction Noise & Vibration Management Plan Chatswood to Bankstown (C2B) RevA ▪ Flora, Fauna and Biodiversity Management Sub-Plan C2B RevA ▪ Air Quality Management Sub-Plan - C2B RevA ▪ Soil, Water and Groundwater Management Sub-Plan - C2B RevA



	<ul style="list-style-type: none"> ▪ Heritage Management Sub-Plan - C2B RevA ▪ Construction Environment Management Plan - (C2B) RevA ▪ Waste, Recycling and Spoil Management Plan C2B RevA ▪ RfMA for CTMP – SMTF
SMEW	<ul style="list-style-type: none"> ▪ SMEW 2019 Q3 CTR
Non-compliance/ Incidents or Repeat Complaints	
<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>Complaint aspects for this site during the period included aspects of business impact, noise and parking.</p> <p>There were no incidents for SSJ reported to the ER under conditions A41 to A44 of SSI 7400. There was one Class 3 Environmental incident (minor) raised post the ER Inspection on 27th December 2019. A JHLOR ute appeared to have reversed over a jerry can of diesel in the Way St South laydown area, resulting in a spill to unsealed ground. The action was closed out by JHLOR following removal of a small area of impacted soil and the appropriate bunded storage of diesel cans in a secure area. Close-out dated 3 January 2020.</p> <p>There were no non compliances for SSJ during the reporting period.</p>
NCW	<p>There were no complaints in relation to the NCW for this period, nor any non compliances.</p> <p>There were no incidents reported to the ER under conditions A41 to A44 of SSI 7400.</p>
Central Station	<p>Complaint aspects for this site during the period included complaints about dust and noise. There were no incidents for Central reported to the ER under conditions A41 to A44 of SSI 7400. No non compliances were raised.</p>
Line Wide	<p>Line wide received two complaints, one for dust and another that was found to be not project related.</p> <p>There were no incidents reported to the ER nor were there non-compliances during the reporting period</p>
SMEW	<p>There were no incidents reported to the ER under conditions A36 of SSI 8256. There were also no complaints received or non compliances raised.</p> <p>Separate to the SMEW project, but relevant to the development of the S2B project works, there were two non compliances raised against the Sydney Metro Design Services (Metron T2M) in November that were finalised in December that related to the breach of out of hours work permit conditions (day permitted to work) and inadequate monitoring of noise during out of hours work.</p>



Audits	
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	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
SMEW	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
Line Wide	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
Looking Forward – Core Focus Areas	
Sydney Metro	<ul style="list-style-type: none"> ▪ Compliance review for Q3 and Q4 for 2019
SSJ	<ul style="list-style-type: none"> ▪ Management of PASS ▪ Dust management ▪ Culvert work, and completion of supporting structures, and associated impacts. ▪ Completion of station structures
NCW	<ul style="list-style-type: none"> ▪ Possession planning for 2020
Central Station	<ul style="list-style-type: none"> ▪ CSR Site Establishment and activities ▪ Investigations and approvals associated with the use of the Eveleigh Facility
Line Wide	<ul style="list-style-type: none"> ▪ SMTF (North) construction site works, especially dust management ▪ Central to Waterloo 33 Kv works ▪ Cumulative impacts from adjacent projects ▪ Noise and vibration management during OOHW for construction of portal between Chatswood and Artarmon
SMEW	<ul style="list-style-type: none"> ▪ Temporary road closure works (Various) ▪ Erosion and sediment control and associated retaining wall works between Campsie and Canterbury Stations ▪ Approval of OOHW under the OOHW Protocol ▪ Works conducted during possession under the Sydney Trains Environment Protection Licence (EPL)



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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