

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

7 November 2018
Ref: 170108-ER-DPE-TSE-Sep 18

Dear Stacy

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for September 2018 – TSE Contract and Martin Place USP

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), and MOD 3_ Martin Place Metro Station (22 March 2018) ; and
- As required by the subsequent appointment as the approved Environmental Representative (17 February 2017);

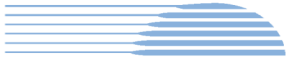
The attached summary details the key activities undertaken by Environmental Representatives for Sydney Metro – City and South West Chatswood to Sydenham during the month of **September 2018**.

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)
DPE: Swati Sharma, Rob Sherry, Kate Moore
CC IEA: Larry Weiss, Julie Dickson



| Summary of Contract Packages | Environmental Representative/s |
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| Demolition and Tunnel and Station Excavation (TSE) | Michael Woolley |
| Martin Place Unsolicited Proposal (USP) Macquarie Bank/Lendlease | Michael Woolley/Jo Robertson |
| Alternate | Jo Robertson / Annabelle Reyes |

| Key Construction Activities | |
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| Demolition and TSE | <p>Works conducted in September 2018 at the following sites are summarised below:</p> <p>Chatswood Dive Site:</p> <ul style="list-style-type: none"> ▪ Chatswood dive site <ul style="list-style-type: none"> ○ Building the tunnel dive – with main activities such as excavating and removing material from site, breaking off the top sections of the piles with jackhammers, concreting and installing rock anchors. ○ Installation of the spoil and segment acoustic sheds, spoil conveyor towers and hoarding. ○ Construction of the grout plant, internal roads and other tunnel support infrastructure, with some work involving the use of vibratory rollers to compact material. ▪ Nelson Street and Orchard Road <ul style="list-style-type: none"> ○ Relocation of the underground power, water and telecommunication services. ▪ Rail corridor between Brand Street and Mowbray Road (western side) <ul style="list-style-type: none"> ○ Building of the driveway to the rail corridor off Brand Street. ○ Removal of top soil, mulched trees and other materials in the area including some materials containing asbestos. ○ Installation of drainage and building a construction access road between Brand and Drake Streets involving installing pipes, delivering and spreading material and compacting the material with vibratory rollers. ▪ Out-of-hours works <ul style="list-style-type: none"> ○ Mowbray Road <ul style="list-style-type: none"> Building of the site driveways which involved removing kerbs and footpaths with a concrete saw and jackhammer, earthworks using an excavator or vacuum truck and hand-held compactor and concreting. ○ Mowbray Road and Pacific Highway <ul style="list-style-type: none"> Installation of the tunnel monitoring equipment in the footpath which involved cutting the footpath with a concrete saw, breaking out concrete with a jackhammer, using a vacuum truck to locate any services below the surface and prepare the ground, installing the monitoring equipment using a drill rig and reinstating the work areas. ○ Mowbray Road / Hampden Road intersection <ul style="list-style-type: none"> Installation of the traffic signals which involved cutting the road and footpath with a concrete saw, breaking out concrete with a jackhammer, digging trenches with a vacuum truck, installing underground conduits, concreting and reinstating the work areas. <p>Artarmon Substation:</p> <ul style="list-style-type: none"> ○ Continuing demolition works. <p>Crows Nest Station:</p> <p>The focus of work in September was completing activities needed prior to the reopening of Hume Street on Saturday 29 September.</p> <ul style="list-style-type: none"> ▪ Within and around the site <ul style="list-style-type: none"> ○ Completion of the installation of the Hume Street bridging structure. ○ Excavation of the station box, installing and stressing rock anchors and |



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| | <ul style="list-style-type: none">spraying concrete onto the walls of the station box.○ Loading trucks with excavated material in the spoil (gantry crane) shed and transporting from site via Clarke Lane and Oxley Street.○ Installation of gates on entries around the site and a turnstile entry on the Pacific Highway at the southern end of the site.○ Installation of the site amenity sheds and services (power, sewer, water etc.) to the sheds.○ Installation of the ventilation fans under the acoustic cover on the south of the site.○ Completion of the installation of the acoustic cover over the southern portion of the site. Once the acoustic cover is installed, work under the cover will occur 24 hours, 7 days a week.○ Installation of the acoustic cover over the northern section of the site.○ Installation of the flashing on the roof of the gantry crane shed and on the wall adjoining the south of the site.○ Installation of the hoarding and art work around the site.○ Deliveries of plant and materials.○ Installation of survey and monitoring equipment on buildings and in roads around the site.▪ Out-of-hours works<ul style="list-style-type: none">○ Around and within site<ul style="list-style-type: none">▪ Delivery and removal of oversized plant and equipment○ Pacific Highway<ul style="list-style-type: none">▪ Adjusting kerbs, pram ramps and footpaths▪ Completion of the traffic signal changes○ Hume Street<ul style="list-style-type: none">▪ Traffic signal changes▪ Finishing work to kerbs, pram ramps and footpaths○ Clarke Lane<ul style="list-style-type: none">▪ Installation of signage▪ Asphaltting road surfaces▪ Installation of the new line markings and signage○ Within site<ul style="list-style-type: none">▪ Adjustments to hoarding/ site facilities <p>Victoria Cross Station: In September 2018 the focus of work at the Victoria Cross sites was on excavation commencement.</p> <p>At the Victoria Cross south site, the station cavern was excavated using road headers - large machines that grind away at the rock. At the Victoria Cross north site, JHCPBG proposed the use of controlled blasting to excavate the station access shaft.</p> <p>Other work included:</p> <ul style="list-style-type: none">▪ Victoria Cross South site<ul style="list-style-type: none">○ Installation and stressing (tightening) of the anchors around the walls of the station box and spraying concrete onto walls.○ Construction of the site entrance ramps from Miller Street and Denison Street.○ Construction of the internal decline ramp which will allow trucks to access the cavern excavation site.○ Completion of the installation of the acoustic shed. Once the acoustic shed is installed work within the shed will occur 24 hours, 7 days a week.○ Installation of the internal staircases and entry turnstiles for site workers.○ Installation of the viewing platform on the Miller Street side of the site. |
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| | <ul style="list-style-type: none">○ Use of excavators and a road header to excavate the station cavern.○ Installation of the site sheds, site services, and relocating utilities such as sewer.○ Delivery of the plant, equipment and materials.○ Loading out of excavated materials via Denison Street.○ Diversion of stormwater on Miller Street.○ Installation of survey and monitoring equipment in roads and footpaths around the site <ul style="list-style-type: none">▪ Victoria Cross North site<ul style="list-style-type: none">○ Installation of the acoustic sheds; Once the acoustic shed is installed, work within the shed will occur 24 hours, 7 days a week.○ Commissioning of the gantry crane and water treatment plant.○ Installation and stressing (tightening) anchors around the walls of the shaft and spraying them with concrete.○ Construction of the site driveway on McLaren Street.○ Commencing excavation of the station access.○ Installation of site sheds, site services, and relocating utilities such as a sewer.○ Construction of the capping beams.○ Delivery of plant and equipment and loading out excavated materials via McLaren Street.○ Installation of the survey and monitoring equipment in McLaren Street and on buildings and in roads and footpaths around the site.▪ Out-of-hours works<ul style="list-style-type: none">○ Around and within Victoria Cross Station North and Victoria Cross Station South sites<ul style="list-style-type: none">▪ Delivery and removal of plant, equipment and materials.▪ Installation of the survey and monitoring equipment.▪ Stormwater relocation work on Miller Street, including opening the road surface, excavation of a 13-metre-long stormwater pit, laying pipework, concreting around the pipes and pit walls, reinstatement of the road and footpath.○ Victoria Cross Station South site<ul style="list-style-type: none">▪ Delivery and installation of acoustic shed panels via Miller, Berry or Denison Streets.▪ Set up of a crane for the acoustic shed panel installation.▪ Installation of monitoring equipment in Miller, Berry, Mount and Little Spring Streets.▪ Ausgrid relocation work in Denison Street. <p>Blues Point Temporary Retrieval Site:</p> <ul style="list-style-type: none">▪ Heritage investigation, archaeological excavations and site establishment. <p>Barangaroo Station and Millers Point:</p> <p>Work inside the acoustic shed has progressed to 24 hours per day, 7 days a week. Other works at Barangaroo Station included:</p> <ul style="list-style-type: none">▪ Traffic Switch to commence using the bridge in accordance with CTMP 4▪ Temporary access shaft inside the acoustic shed – Hickson Road<ul style="list-style-type: none">○ Excavation, rock breaking, saw cutting and jack hammering.○ Installation of the temporary support bolts and concreting work.○ Using the gantry crane to load excavated material into storage containers and/or haulage trucks. |
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- Removal of excavated materials from the access shaft to the site foreshore area.
- Deliveries of concrete, machinery and equipment.
- Hickson Road (between Dalgety Road bridge and High Steps)
 - Steel, concreting and paving work for the Hickson Road support structure.
 - Station box excavation.
 - Utility relocations involving jack hammering, pipe laying and road restoration.
 - Piling, jet grouting and rock grouting.
- Nawi Cove and Barangaroo foreshore
 - Commissioning of the water treatment plant.
 - Completion of the spoil shed and tunnel boring machine (TBM) support plants.
 - Archaeological investigation within the shark's fin and station box (south)
- Out-of-hours works
 - Hickson Road (between Dalgety Road bridge and High Steps)
 - Relocation of the underground utilities involving saw cutting, excavating and backfilling trenches, installing conduits, installing/pulling cables and reinstating work areas.
 - Removal and painting of the road line markings.
 - Hickson Road support structure works.
 - Deliveries of materials, plant and equipment.
 - Temporary access shaft inside the acoustic shed – Hickson Road
 - Deliveries of concrete, materials, plant and equipment.
 - Rock breaking, jack hammering and excavation.
 - Rock sawing, shaft support and concreting work.
 - Rock bolting and concreting work to secure the shaft walls.
 - Operating the gantry crane inside the acoustic shed.
 - Using excavators to load material into the gantry crane.
 - Removing excavated material from the access shaft to Barangaroo foreshore via trucks.

Martin Place Station:

Demolition work at Martin Place South continued until 6 pm every Saturday and excavation of pedestrian and station caverns under Martin Place North has occurred 24 hours a day, up to seven days a week.

Work that occurred at each site throughout September 2018 comprised:

- Bligh Street site
 - Delivery and removal of the equipment, machinery and materials from site.
 - Removal of the excavated material from within the acoustic shed.
- Martin Place North site
 - Installation of the new graphics on the existing hoarding.
 - Excavation of the pedestrian and station caverns under the Martin Place North site (works occurred 24 hours a day, up to seven days a week).
- Martin Place South site
 - Structural demolition of 39 Martin Place (work hours extended to 6pm on Saturdays).
 - Removal of hazardous materials.
 - Deliveries of equipment and materials to and from site.
 - Used of the tower crane to lift large equipment to and from the roof.
 - Shopping Circle demolition, investigation and piling work.
 - Replacement of the former Shopping Circle escalators with stairs.
- Out-of-hours works
 - Bligh Street



- Oversized equipment deliveries and crane mobilisations for lifting equipment into site.
- Concrete deliveries.
- Haulage truck movements.
- Castlereagh, Elizabeth and Phillip streets
 - Utility work including Ausgrid pit inspections, pit installation and trenching for conduit and cable installation.
 - Oversized equipment deliveries and crane mobilisations for lifting equipment into Martin Place South site.
 - Footpath restoration work.
 - Installation of the monitoring equipment on Elizabeth Street and Phillip Street.
- Martin Place South (between Elizabeth and Castlereagh streets) and the Shopping Circle
 - Utility relocation of existing services and decommissioning an electrical substation below 39 Martin Place.
 - Shopping Circle demolition activities.
 - Installation of hoarding graphics on the underground platform of the T4 Eastern Suburbs & Illawarra Line.
 - Design investigation work (39 Martin Place and former Shopping Circle).
 - Footpath restoration work.

Pitt Street Station:

The following activities were conducted at Pitt Street Station in September 2018.

- Pitt Street North site
 - Excavation of the underground pedestrian connections using excavators and a road header, drilling and rock-bolting, shotcreting excavated walls (24-hour).
 - Rock hammering underground (standard construction hours only).
 - Delivering concrete (24-hour).
 - Moving excavated material to the surface and temporarily storing it inside the acoustic shed holding area (24-hour).
 - Loading and taking excavated material from site in single body trucks (24-hour).
- Pitt Street South site
 - Removal of the lead paint and hazmat materials.
 - Structural demolition.
 - Loading and taking demolished materials from site in single body trucks.
- Out-of-hours works
 - Pitt Street North
 - Deliveries of oversized plant, materials and equipment including cranes.
 - Installation of in-ground monitoring devices and surface survey markers.
 - Construction and modification of hoarding in Park Street and Castlereagh Street.
 - Pitt Street South
 - Deliveries of plant and equipment.
 - Installation of surface survey markers.

Waterloo Station:

Piling activities were completed last month with approximately 600 concrete piles installed around the station box area to support the ground during excavation. Concrete and excavation

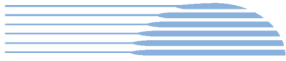


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| | <p>work within the station box area were the focus of site activities during September 2018. Respite periods from noise during high impact activities like rock or concrete breaking activities were provided. Specific activities included:</p> <ul style="list-style-type: none">▪ Waterloo Station site<ul style="list-style-type: none">○ Raglan Street site driveway and watermain modification activities, involving excavation and concrete work.○ Building of the capping beam around the station box to support the ground during excavation.○ Reinstallation of higher hoarding on the capping beam along a section of Cope Street.○ Installation of the ground anchors, through the concrete piles, which will extend beyond the site boundary beneath Wellington, Cope and Raglan streets and Botany Road.○ Continuing of the station box excavation, including jack hammering activities, and ground support concrete and anchoring work.▪ Raglan Street<ul style="list-style-type: none">○ Installation of 'no stopping at any time' sign near the new site gate. This removed up to three on-street car parking spaces.▪ Cooper, Wellington and Raglan streets<ul style="list-style-type: none">○ Drilling work to install monitoring devices that will collect information from tunnelling and excavation work. <p>Marrickville dive site:</p> <p>The following activities were conducted at Marrickville Station during September 2018:</p> <ul style="list-style-type: none">▪ Marrickville dive site<ul style="list-style-type: none">○ Delivery of materials on oversized vehicles and haulage of excavated material from site.○ Assembly of the tunnel boring machine within the dive site area.○ Construction and commissioning of site structures including spoil shed, site offices, conveyor footings, structure installations.○ Ongoing construction activities of the dive site including earthworks, shotcrete and rock/ground anchoring work, building the capping beam around the dive area to support the ground during excavation.○ Ongoing construction of the internal road network, including site entrances.○ Operation of gantry crane and mobile cranes along the dive structure, site services such as power, water, dewater and grout components.▪ Marrickville precast facility<ul style="list-style-type: none">○ Removal of existing concrete and asphalt slabs involving hammering.○ Concrete segment production within the acoustic shed and storage yard crane operation.○ Ongoing construction of the precast facility and support infrastructure.○ Deliveries of material and precast segments, including operation of the precast facility within the acoustic shed, and operation of external cranes.▪ Smidmore Street, Marrickville and John Street, Newtown<ul style="list-style-type: none">○ Drilling works to install monitoring devices that will collect information from tunnelling and excavation work. The team carried out excavation work to expose and identify underground services before drilling work.▪ Out-of-hours works<ul style="list-style-type: none">○ Edinburgh Road/Railway Parade and Murray Street, Marrickville<ul style="list-style-type: none">Works included utilities relocation/installation, removal of existing line marking, installation of new kerbs, ramps and conduits. |
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| ER Inspections | |
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| Demolition and TSE | <p>Weekly inspections continued of the sites under the management of the TSE contractor. A DPE Compliance Officer attended the Inspections on 11/09/2018 and 18/09/2018.</p> <p>Sites inspected in September 2018 comprised:</p> <ul style="list-style-type: none"> ▪ Victoria Cross South –11/09/2018, 25/09/2018 ▪ Victoria Cross North – 11/09/2018, 25/09/2018 ▪ Chatswood – 11/09/2018, 25/09/2018 ▪ Blues Point – 11/09/2018, 25/09/2018 ▪ Martin Place – 11/09/2018, ▪ Bligh Street – 11/09/2018, ▪ Crows Nest – 11/09/2018, ▪ Artarmon – 11/09/2018, ▪ White Bay – 11/09/2018 ▪ Barangaroo – 4/09/2018, 18/09/2018, 26/09/2018 (relic found) ▪ Pitt Street – 4/09/2018, 18/09/2018, ▪ Waterloo – 4/09/2018, 18/09/2018, ▪ Marrickville – 4/09/2018, 18/09/2018, <p>ER Inspection reports have been prepared and issued to Sydney Metro and the TSE Contractor. Actions identified during the inspections comprised:</p> <ul style="list-style-type: none"> ▪ Inspection on 4/09/2018 <ul style="list-style-type: none"> ○ Marrickville – erosion and sediment controls ○ Pitt St North – dust controls ▪ Inspection on 11/09/2018 <ul style="list-style-type: none"> ○ Chatswood Dive site– dust controls, erosion and sediment controls ○ Crows Nest – chemical storage ○ Victoria Cross North – erosion and sedimentation control ○ Victoria Cross South – dust controls ▪ Inspection on 18/09/2018 <ul style="list-style-type: none"> ○ Marrickville – dust controls and erosion and sediment controls ▪ Inspection on 25/09/2018 <ul style="list-style-type: none"> ○ Crows Nest – dust controls ○ Victoria Cross North – dust controls <p>During an ER site inspection after rainfall at Marrickville on 4 September 2018, a number of issues were observed relating to ERSED controls and mud tracking. JHCPBG issued a System Improvement Notice (SIN) for this with a number of actions to be implemented. The implementation of these actions was assessed on 18 September 2018 with most actions found to have been either completed or initiated.</p> <p>An additional inspection was conducted at Barangaroo on 26 September due to the relic found at the site.</p> <p>Various notes were made in the inspection reports reflecting commitments made by the TSE Contractors.</p> |

| Endorsed Document/s | |
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| Sydney Metro | <p>The following documents were reviewed and endorsed by the ER with the assistance of Alternate ERs (not just specific to TSE related works):</p> <ul style="list-style-type: none"> ▪ HPE CM: SSI 7400 Determination of Low Impact Works - Axicom Tower Removal ▪ Letter seeking clarification from DP&E on E101 (Station Design and Precinct Plan) with regards to the Sydenham Station Upgrade Project ▪ Compliance Tracking Program Report (Changes between v2.0 and v2.1) |



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| | <ul style="list-style-type: none">▪ Staging Report v4.6 and then final V4.7 reviewed and endorsed▪ CCS update for early works (V6) to include geotechnical investigation works reviewed and endorsed▪ Business Management Plan - Early Works Rev 4 reviewed and endorsed |
| TSE | <p>The following TSE documents were reviewed, comments provided to the TSE Contractor and Sydney Metro where relevant, and endorsed by the ER with the assistance of alternate ERs:</p> <ul style="list-style-type: none">▪ Consistency Assessment<ul style="list-style-type: none">○ Blues Point Wharf Relocation (TSE 3) (13/9); and GEN-001884-TSE3 - Blues Point Wharf CA_Final Determination_170918_tracked (18/9)○ Hume Street Temporary Occupation 13-9-18 ER Signature▪ Out of hours works (OOHW) approvals<ul style="list-style-type: none">○ White Bay OOHWs Applied Stage 1○ White Bay OOHWs Applied Stage 2○ I&M Skidmore Road Marrickville○ I&M OOHWs extension MP○ 8-week trial Martin Place OOHWs extension○ OOHWs Artarmon Excavator off hire○ OOHWs Pitt Street I&M○ MP Shopping Circle Concrete Pour OOHWs application○ White Bay OOHWs Concrete Pour▪ Site Establishment Plan<ul style="list-style-type: none">○ SEP I&M Eric Rd Artarmon○ SEP Chatswood and NCWs○ SEP Barangaroo Marine Investigation○ SEP Blues Point Marine investigation○ SEP Barangaroo Rev 3○ SEP Martin Place I & M○ SEP Victoria Cross I & M○ SEP Victoria Cross North Rev 2○ SEP Martin Place Rev 3○ SEP Skidmore Road IM▪ Construction Traffic Management Plans (CTMP)<ul style="list-style-type: none">○ Pitt St South Demo Amendment 1 Rev G CTMP ER endorsement Rev 2○ Barangaroo Stage 3 Rev M CTMP ER endorsement▪ CNVIS<ul style="list-style-type: none">○ TSE Blues Point Excavation Rev 1 CNVIS ER (reviewed only)○ Chatswood LAUWs CNVIS Rev 5○ TSE Barangaroo Excavation Rev 9 CNVIS ER endorsement○ TSE Victoria Cross Construction CNVIS Rev 6 ER endorsement○ TSE LAUW VCN CNVIS Rev 2 ER endorsement○ TSE Clyde Barging CNVIS Rev 4 ER endorsement▪ Other<ul style="list-style-type: none">○ Blast Management Strategy and supporting docs reviewed only○ Blast Strategy Rev 1 reviewed and endorsed○ TSE Compliance Tracking Report (Q2, 2018) Final reviewed and endorsed○ Maximisation of Spoil Removal by Non-Road Methods – Investigation Report (Part 1) including Spoil Transport Options Report and E84 Barging Report reviewed and endorsed○ Blues Point Tree Report reviewed and endorsed○ Tree Report Rev 02 Chatswood, Martin Place, Marrickville reviewed and endorsed▪ Out of hours works (OOHW) approvals<ul style="list-style-type: none">○ 39 Martin Place - weekend extension of demolition works. This included work to be undertaken over extended hours on Saturday afternoon (from 1:00 pm – 6:00 |



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| | pm) and Sunday (from 8:00 am – 6:00 pm) at 39 Martin Place. Works including strip out from 39 Martin Place, removal of furniture, internal fittings, utilities, non-structural elements, and HAZMAT, enabling demolition works, demolition of roof to level 2, and demolition of Level 2 to lower basement |
| USP- Martin Place | The following documents were reviewed: <ul style="list-style-type: none"> ▪ OOHW Infill works (reviewed and approved) ▪ Updated BMP Early Works Plan [USP inclusion] ▪ Community Communications Strategy (CCS) [USP inclusion] ▪ CEMP for demolition of 9-19 Elizabeth Street (Rev 2 and Rev 3) ▪ Minor Works and OOHWs applications |
| Clyde Barging Facility | The following documents were reviewed: <ul style="list-style-type: none"> ▪ Construction Soil Water and Groundwater Management Plan ▪ Construction Traffic Management Plan ▪ Clyde Acid Sulphate Soils Procedure ▪ Clyde Flora and Fauna Management Plan ▪ Clyde Fauna Handling Management Procedure ▪ Clyde Tree Clearing and Grubbing Procedure ▪ Clyde CNVIS ▪ Clyde ESCP ▪ Clyde Waste and Recycling Procedure ▪ Clyde Spill Management Procedure ▪ Clyde OOHW Management Procedure ▪ Clyde Weed Management Procedure ▪ Clyde Aboriginal and Historic Heritage Unexpected Finds Procedure ▪ Clyde Air Quality and Dust Management Procedure |

| Complaints / Incidents / Non-compliance | |
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| TSE and demolition | <p>It is understood that Sydney Metro has been providing summaries of complaints to DPE daily. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports.</p> <p>The following incidents were observed by or reported to the TSE ER during the period:</p> <ul style="list-style-type: none"> ▪ Dust emissions exiting the acoustic shed at Victoria Cross South during an ER Inspection on 11 September 2018. JHCPBG investigated the incident and provided a report summarising the outcome of the investigation dated 20 September 2018. ▪ On 6 September 2018 at 10.39am JHCPBG self-identified an exceedance of the vibration limit at 243 Miller St, North Sydney. On reviewing the real-time noise and vibration monitoring data for the Site (Victoria Cross North) it was observed that the vibration limit of 7.5mm/s had been exceeded on the 3rd September, 4th September and 6th September 2018. On further investigation it was identified that email alerts set up for the Site had not been received therefore preventing the implementation of mitigation measures required under the Construction Noise and Vibration Management Plan (CNVMP). JHCPBG provided a report summarising the outcome of the event in a report investigation dated 26 September 2018. <p>These incidents were not considered to cause material harm as per the definition of incident in the Project Approval.</p> <p>In the previous monthly report, it was noted that real time noise monitoring as required of Condition C11 was in place for TSE activities, however, access was not provided to the ER or to the Proponent prior to the 4th September 2018. JHCPBG reported this in a System Improvement Notice dated 12 September 2018 which acknowledges this non compliance. Further, Sydney Metro raised a Non-Compliance report under this condition for Metropolitan as well for not providing access to</p> |



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| | <p>real time monitoring during the demolition of Martin Place north buildings.</p> <p>Elevated vibration levels were recorded at the Waterloo Church from April to July 2018. In a presentation to DPE on 31 August JHCPBG provided information regarding when works were stopped and how work practices were reviewed and /or amended. It was reported however vibration levels were still elevated despite amendment of work practices. This is therefore a noncompliance with the CNVMP and Condition A8 of the Planning Approval.</p> |
| Sydney Metro | There were no non-compliances/complaints received in relation to works undertaken directly by Sydney Metro. There were no incidents related to Sydney Metro conducted works as defined by the project approval definition for incidents reported to DPE under condition A41. |

| Audits | |
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| TSE | A JHCPBG internal air quality audit was conducted on 27 September 2018. |
| Demolition | Nil |
| Sydney Metro | Nil |

| Looking Forward | |
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| Demolition and TSE | <p>Core Focus Areas for the month of October 2018 are:</p> <ul style="list-style-type: none"> ➤ ERSED controls and mud tracking from sites across the project. ➤ Dust management. ➤ Ongoing management of the church at Waterloo. ➤ Early works and site establishment at Blues Point. ➤ Review of documents required for the proposed blasting at Victoria Cross North. ➤ Review of CTR for Q3 2018 including provision of real time monitoring. ➤ Review of SEPs and CNVIS's for new works or updates for existing sites. ➤ Set up of mitigation controls as part of site establishment across all sites. |