Suite 2.06, Level 2 29-31 Solent Circuit Norwest NSW 2153

Tel: 61 (02) 9659 5433 e-mail: <u>hbi@hbi.com.au</u> Web: www.hbi.com.au

7 March 2022

Ref: 170108-ER DPIE-February 2022

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

Dear Rob

RE: Sydney Metro City & South West - ER Monthly Reports for February 2022

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), MOD 3_ Martin Place Metro Station (22 March 2018), MOD5_Blues Point Acoustic Shed (2 November 2018), MOD6_Administrative Changes (21 February 2019), MOD7_ Administrative Changes (29 June 2020), and MOD8_Blues Point Access Site (25 November 2020); and
- Condition A26 (j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI_8256 Approval (12 December 2018) and associated modifications MOD1_Bankstown Station.

The attached summaries detail the key activities undertaken by Environmental Representatives for Sydney Metro – City and South West Chatswood to Sydenham for the month of **February 2022**.

Yours sincerely

Jo Robertson Environmental Representative

Cc: Sydney Metro: Carolyn Riley, Fil Cerone, Ben Armstrong, Dylan Jones, Ann Paterson, Julia Diamond, Candice Somerville

AA: Available on Sydney Metro Website

Contractors: Available to Contractors on Sydney Metro Website

DPIE Compliance: Portal

DPIE Post Approvals: Available on Sydney Metro Website

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1. Central Station

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Central Station	Michael Woolley

Key Construction Activities During the Period

Works conducted during the reporting period included:

- Metro Box Truck movements; metro box ventilation. Ongoing construction activities for the Chillers and Ventilation Building. Installation of platform Canopies ongoing and new canopies installed on Platform 14. Installation of skylight panels in Platforms 12 and 14 involving coring and sawing of concrete. Fit out of the Platform and other levels. Various FRP works. Ventilation fans operating in Mole Hole 3 with silencers. Installation of escalators and fit out within the various levels.
- Central Walk Last of the FRP works for wall and floor slabs occurring. Ongoing installation of new escalators and final panels around the new escalators. Other fit out activities. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends.
- Sydney Yard Decommissioning of the main Water Treatment Plant was completed with water directed to Linewide WTP at Marrickville. A small capacity WTP will remain to treat surface waters. Truck access; laydown. Stockpiling area now being used for laydown.
- Northern Concourse Ongoing works at intersection of Northern Concourse and Metro Box area. New areas open to public.
- Eastern Entrance FRP for walls; floor slabs and columns inside the shaft up now above ground level. Excavation by
 rock hammer of power supply pit in Randle Lane had paused and was to recommence next week. Randle Lane closed.
 Site sheds on Chalmers Street removed.
- Devonshire Street Tunnel In operation and used by commuters.
- CSR works Rail Institute Barriers remain in place for compound area used to support drilling of bores for CSR between Ghost Platform and Metro Box. Plant and equipment removed.
- ESR Concourse Ongoing use of the area for laydown and construction support. Fit out and other construction activities ongoing.
- Ghost Platforms (above ESR Platforms 24-25) Ongoing electrical and other fit out.
- Eddy Ave Booster Barriers still up around the booster area and in adjacent areas near Squeeze juice shop.
- Platform1 Removal of surface concrete for tile installation during week long 24/7 possession. Wastes being placed in bin through VIP entrance for off-site disposal. Works to re-instate platform tiles completed.

Key Construction Activities Look Ahead

- Ongoing activities as described above
- OSOM deliveries continuing

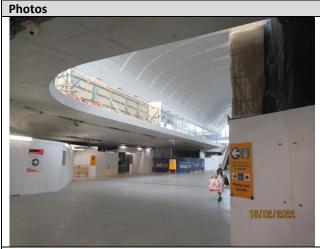
ER Inspections

There were two ER inspections conducted on 02/02/2022 and 16/02/2022. The key issues raised during these inspections were:

ER Inspections were conducted on 2nd and 16th February. The following issues were noted during the inspections:

- Eastern Entrance: Two 20L containers were observed to be stored without immediate secondary containment.
- Eastern Entrance Randle Lane: Vibration monitor geophone at Dental Hospital was not fixed to slab it was required to be dyna bolted or plastibond/epoxy to slab with a solid connection.
- Central Walk: An IBC was being used for storing water however still had old labels indicating contents were Sulphuric Acids.

Water management was a challenge during the period with excessive rainfall on a number of days; the WTP being decommissioned; and Linewide not able to accept water. LOR reported that water was able to managed without the need to use the overflow strategy.





Northern Concourse



Northern Concourse



Art work on Ventilation Building



Platform 12/13 Canopy installation and other works



Installation of the escaators to train level

Installation of skylights in platform 12

Endorsed Document/s

• Ni

Non-compliance/Incidents or Repeat Complaints

Sydney Metro has been providing summaries of complaints to DPIE daily as well as to the ER. There were no complaints reported during the reporting period.

No non compliances were observed by the ER or reported to the ER during the reporting period.

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One minor incident comprising a concrete spill was reported by LOR at the Chalmers Street worksite. Some concrete passed under the hoarding and onto the footpath. The concrete was reported to have been contained prior to entering road gutters or drains. The spill was cleaned up and footpath cleaned. The incident did not trigger reporting under Condition A41.

Audits

There were no audits conducted during the reporting period.

Looking Forward – Core Focus Areas

Water Management

2. Sydenham Station and Junction (SSJ)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Sydenham Station and Junction (SSJ)	Jo Heltborg

Key Construction Activities During the Period

- Fraser Park Ancillary Facility: Demobilisation and clean-up complete including removal of sites sheds, generators, storage containers and amenities.
- CSR Laydown Area / SEC Carpark Bridge: Area removed from JHLOR PC; Footings for security fencing installed during the WE32 possession.
- Geotechnical Area: Awaiting final gate design prior to completion of fencing in the southern corner of the site.
 Security fencing along the main site boundary underway.
- Main Site / Development Area: Topsoil placed across the development site and swale (with jute mat) installed through the centre of the site. Mulch delivery commenced via Garden Street, and area prepared for hydromulch. Blockwork wall extended and area fenced. Ongoing defect work underway.
- Sydenham Station: Sydney Metro screen door installation on Platforms 1, 2 & 3 by TSOM.
- Secondary Plaza: Operation of TSOM site compound continued with JHLOR as the Principal Contractor.
- Sydenham Road: Works complete and landscaping established.
- Garden Street: Construction of crash bollards at the end of Garden Street for protection of the aqueduct commenced.
- Sydenham Pit and Pumping Station / Confluence Area: Works complete adjacent to RW4; some remaining materials to be removed. Pump Station handed back to Sydney Water. Finalisation of Sydenham Pit handover to Sydney Water in progress.
- Way Street Laydown Areas: Materials removal ongoing for handover to Sydney Trains.
- XPT Laydown: Sydney Trains handover process to be formalised.
- Carrington Road Laydown: Spoil load-out to Gateway project continued. Sydney Water handover process to be formalised.
- **Bedwin Road**: Completion of boundary fencing (including solution for residents at Edgeware Road apartments underway.

Key Construction Activities Look Ahead

- CSR Laydown Area / SEC Carpark Bridge: Posts and panelling to be installed during the WE34 possession.
- Geotechnical Area: Final gate design and installation of fencing in the southern corner of the site.
- Main Site / Development Area: Completion of swale drainage and site stabilisation.
- Garden Street: Complete install of crash bollards, kerbing and drainage. Handback of some parking to the public.
- Bedwin Road and Edgeware Road: Completion of boundary fencing (including resident fencing solution).
- Sydenham Pit: Handover to Sydney Water.
- Way Street & XPT Laydown Areas: Materials removal ongoing for handover to Sydney Trains.
- Carrington Road Laydown: Spoil load-out to Gateway ongoing prior to handover to Sydney Water.
- TSOM site compound: Continued operation.
- Ongoing defect work (station, CSR pits).

ER Inspections

There was one ER inspection conducted by the ER in February 2022 (15/02/2022). There were no actions raised during the inspection.

Photos



Boundary screening, footpath and landscaping in good condition. Main station structure complete.





Lansdcaping and public art installations were being maintained in good condition.









Topsoil had been placed across the development site and a swale (with jute mat) had been installed through the centre of the development site.

Construction of crash bollards at the end of Garden Street for protection of the aqueduct had commenced.

Controls were in place around the stormwater drain and tracking was being controlled by street sweeper use.

Part of this area will be handed back to the public for parking in the near future.









Completion of boundary fencing, including a Colourbond/mesh solution for residents of the Edgeware Road apartments was underway.

Installation of Sydney Metro screen doors on Platforms 1, 2 & 3 by TSOM continued.

Endorsed Document/s

Nil this reporting period

Non-compliance/ Incidents or Repeat Complaints

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 SSJ.

The ER is not aware of any non-compliances for SSJ for the period.

There were no incidents for SSJ reported to the ER under conditions A41 of SSI 7400.

There were no minor Class 3 environmental incidents reported to the ER during the period.

The ER is not aware of any complaints during February 2022 that could be attributed to the SSJ works.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas

- Review of spoil waste classification, beneficial re-use and waste tracking records
- Completion of selected Conditions of Approval and REMMs
- Completion of the SSJ CTR 2021 Q4

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3. Line Wide (Tallawong to Bankstown)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Line Wide (Tallawong to Bankstown)	Swathi Gowda (North /South) George Kollias (Alternate ER)

Key Construction Activities During the Period

Key Construction Activities below, as reported by Systems Connect (Contractor) for Line Wide Works:

<u>Northern Hub</u> (Incorporating Chatswood Dive Site Northern Connection, Hopetoun Ave and Valetta Lane)

Chatswood Dive Site (CDS)

• Form Reo Pour (FRP) works continuing near gantry shed, for future northern dive services building

Northern Connection

- FRP works for base slab
- Drainage and blinding pour works completed for track
- Installation of anchor block cages and welding
- New concrete delivery area being set up within Mowbray Rd Compound

Hopetoun Ave

Hopetoun Ave – demobilisation of worksite for concrete deliveries largely completed

Artarmon Traction Substation (TSS)

- Electrical fit out works of modular buildings
- Installation of facade panels on TSS largely completed (Whiting St)

Blues Point

- Concrete breakout and removal from site continuing
- Public beach access closed (scheduled to be reopened early mid March)

SW Corridor Traction Substation sites:

- Canterbury TSS:
 - TSS base slab completed; FRP works on slab
 - Combined service route (CSR) works excavation and conduit installation ongoing
 - Permanent drainage works
- Dulwich Hill TSS:
 - o FRP and CSR works (continuation of 620 package)
 - o Crane pad installed for TSS modular building delivery/installation.
 - Temporary access built for crane and trucks delivering modular buildings to the TSS.
 - Core drilling, saw cutting and concrete repairs
- Campsie TSS:
 - Steelwork in place for facade installation
 - Enclosure build and FRP installation
 - Cable preparation, termination and testing

Lakemba TSS:

- o FRP works on raised platforms
- Steel placement on platforms
- Tree removal completed
- Punchbowl TSS
 - o Bulk and detailed excavation works
 - Trenching and laying conduits
 - FRP works and steel fixing
 - Wall for cantilevered slab

Barangaroo Laydown Area

• Loading/unloading of deliveries

Canterbury to Campsie BPS

- Pat O'Connor (POC) Reserve, Canterbury:
 - Cable bridge nearing completion
 - o Backfilling abutment A
- Campsie BPS Joint Bay worksites (Anzac St, Cooks Ave and Gould St (Canterbury) Dewatering works as required, during Standard Construction Hours and proving conduits (Anzac St site only)

Southern Dive & SMTF South Marrickville

- Water Treat Plant (WTP) for operational phase –steel fixing, rectification work, FRP for shutters
- Administration Building structural steel and installation of insulation
- Bin Area drainage line, CSR and steel fixing works
- Covered Shed sub-soil placement and façade installation
- Fire Control Building blockwork
- Southern dive fill placement for Crane Pad

Key Construction Activities Look Ahead

Look-ahead of upcoming activities /works:

- SMTF North completion of conditions for Line Wide scope of works through CTR Q4 2021 and Q1 2022 process (continuing).
- Blues Point dewatering activities (as necessary, with vacuum trucks), to avoid the possibility of on-site water tanks overflowing and resuming of activities (restoration works, including the removal of remainder concrete apron) that have been paused due to ongoing severe weather.
- Surry Hills BPS Randle Lane Service Investigation (nightworks) March /April 2022 (up to 6 nights, over two weeks)
- Compliance Tracking Report (CTR) Q4 2021 CTR reporting and review process for LWW continuing.

ER Inspections

There were four ER inspections conducted by the ER in February 2022 (01/02/22; 08/02/22; 15/02/22; 22/02/22). Key notes/ issues raised are summarised below:

SW Corridor Traction Substation sites

ER Inspection #98 - 01/02/2022

Canterbury TSS

- Permanent drainage SC informed the ER that the underground pipe was connected and live.
- Discussed general housekeeping in area and schedule for clean-up. SC informed the ER that skip bin in area was sited to commence clean-up work in area. Commencement of clean-up was noted during inspection.
- Site access/egress (Hutton St) noted to be generally clean at time of inspection. SC informed the ER that access/egress is monitored and swept regularly.
- No graffiti observed on shade cloth installed along Hutton St side.
- Construction material laydown area (Hutton St) protection barriers remain in place for trees to be retained near construction material laydown area.

Campsie TSS

- Steelwork in place for TSS facade installation.
- Sediment controls remain along fence line (Lillian Ln side).
- TPZ remains in place.
- Good housekeeping observed around site.
- Site access/egress (Lillian St) observed to be clean at the time of inspection.
- No graffiti observed on shade cloth along boundary fence.

Belmore Compound and Laydown:

- Site access/egress (Bridge Road)-observed to be clean at the time of inspection.
- Compound and laydown area observed to be tidy including waste bin areas, with waste contained.
- Designated chemical storage remains in place.
- Site access/egress- observed to be generally clean with no loose material on the Boulevarde, at the time of inspection.

Lakemba TSS

- The Boulevarde was observed to be clean with no tracking observed at time of inspection.
- Stabilised concrete access/egress with rumble grid remains in place.
- Discussed general housekeeping near FRP worksite and clean-up schedule. SC informed the ER that site clean-up is conducted every couple of days.

- Secondary containment and plastic tarp (to prevent rainwater ingress) noted around chemical storage. Spill Kit
 observed near site office.
- Three trees scheduled to be removed (3rd Feb, Thursday). Discussed tree removal permit and process. SC Permit to Clear Land or Vegetation was sighted during the inspection.

Punchbowl TSS

- Stabilised access/egress (with ballast) and rumble grid remain in place. ESCs remain along fencing on South Terrace side of works.
- TPZ remains in place for retained tree. No go zone/signage in place for threatened species (Acacia Pubescens).

Southern Dive & SMTF South Marrickville:

ER Inspection #99 - 08/02/2022

Canterbury to Campsie BPS - Pat O'Connor Reserve (Canterbury):

- Minor tracking observed on footpath near Minor Ancillary Facility (MAF) at POC Reserve. Action raised and closed within Inspection Report.
- Cable Bridge Worksite (Ausgrid side) Batters remain covered; sediment fence remains in place and sediments bags noted in newly installed drain at the bottom of the batter.
- Cable Bridge Worksite (Ausgrid side)- SC informed the ER that some backfilling works remain. Batters would be hydro mulched.
- Cable Bridge Worksite (Ausgrid side)- Material stockpiles/laydown noted in previous ER inspections removed from worksite. SC informed the ER that disturbed areas would be rehabilitated.
- Cable Bridge Worksite (Reserve side) SC informed the ER that backfilling works had currently stopped due to wet weather. Remaining works scheduled in area include shaping, backfilling and compaction prior to rehabilitation.
- Cable Bridge Worksite (Reserve side) Sediment fence remains in place at cable bridge worksite and tree delineation in place.
- Anzac St Compound Section of shade cloth to be extended/re-attached on ATF. Note raised and closed in Inspection Report.
- Tree delineation fencing and barriers remains in place.

Barangaroo Laydown Area

- Designated waste bins/skip observed in laydown area. SC informed the ER that waste in bulka bag and IBCs from night shift works will be removed from site, during the daytime period.
- SC informed the ER that area where rainwater currently pools in the laydown area (hardstand) is scheduled to be regraded to allow water to drain easily into the existing stormwater drainage on-site.
- Designated refuelling area observed with spill kit and guidance on refuelling.
- Site Environmental Plan (dated 01 Feb 22) noted to be displayed at site shed.
- A minor oil leak was observed from a vehicle parked within the carpark area under BESIX Watpac's control (other
 contractor operating within the Barangaroo area and unrelated to System Connect's works/areas of control).
 SM/SC contacted relevant Watpac personnel to inform them of the leak and clean-up required. Note incident
 raised by BESIX Watpac and clean-up actions undertaken.

Campsie BPS Joint Bay worksites:

- Joint Bay worksites observed to be tidy. Dewatering works undertaken as required, during Standard Construction
- Discussed project signage to be installed at all three Joint Bay worksites. Action raised within Inspection Report.
- Gould St and Cooks Ave bunds remain in place around worksite (good control).

Southern Dive & SMTF South Marrickville:

- ESC remains in place along Sydney Steel Road, near SC worksite.
- Sediment accumulated in kerb drain around parked car (Sydney Steel Road) to be removed. Action raised.
- Observed some water flowing across section of the footpath through a rip in the sediment fence during the
 inspection; water was flowing into protected kerb drain with ESC in place. SC investigated the source and
 confirmed that rainwater accumulated under the crib shed area (concrete pad) was being pumped through
 passive sediment controls and into the protected kerb drain for health and safety reasons. Refer improvement
 actions raised and further detail within Inspection Report.
- Site access gates and section of Sydney Steel Road was observed to be generally clean during the inspection.

Northern Hub, Artarmon – TSS and Blues Point Access Site ER Inspection #100 – 15/02/2022

Northern Hub

- Logistics Shed Stocked spill kit available in area, with no rubbish observed in spill kit.
- SC informed the ER that a new concrete delivery area is being set up within Mowbray Rd Compound (in lieu of Hopetoun Ave Concrete Delivery Area once demobilised completely).
- New plant access built for movement of construction materials in and out of the future track area.
- Drainage blanket and drainage works on Up Line completed.
- It was noted that concrete waste was contained within bulka bags.
- Stockpiles remain in the area. SC informed the ER that spoil and waste are planned to be removed in the next scheduled possession (March 2022).
- Graffiti Management some tagging noted on concrete walls. Action raised within Inspection Report.
- ESC noted to remain in place for management of surface water in case of wet weather events.
- Hopetoun Ave SC informed the ER that Hopetoun Avenue concrete delivery area is largely demobilised. SC deployed a street sweeper to address staining that had been noted on the road during previous ER Inspection #97. Further discussion held with SC regarding investigating opportunity to further clean -up stain, where possible (noting that stain observed does not pose environment risk).

Valetta Lane Access (no works at Valetta Lane worksite)

No graffiti observed on shade cloth along boundary fence and access gate.

Artarmon TSS Site

- No graffiti observed on shade cloth around the boundary fence.
- TSS site entrance (Whiting St) was observed to be tidy at the time of the inspection.

Blues Point Access Site

- Site access/ egress point observed to be free of tracking at the time of inspection.
- Concrete breakout and removal works are continuing. Discussed dust management and complaint (including dust) from 11th Feb 22 with SC. SC informed the ER that spotters are present with each excavator and when hammering concrete, the spotters use a hose to wet down concrete during breaking.
- ESC noted to be installed along sections of the site, adjacent to site sheds (scheduled to be demobilised from site) and near beach access where hoarding has been removed. SC informed the ER that SEEC has developed the ESCP for the site. ESCP record provided to ER post inspection.
- SC informed the ER that surface water was still being managed with tank in place. A vacuum truck is then utilised to transfer water to the Project's WTP at the Chatswood Dive Site.
- Shade cloth installed along pedestrian access remains in place and was observed to be free of graffiti.

SW Corridor Traction Substation sites

ER Inspection #101 - 22/02/2022

Canterbury TSS

- Construction material laydown area (Hutton St) only partial delineation fencing noted in place for trees to be retained. Additional delineation installed during and post ER inspection. Action raised to install signage for trees to be retained/delineation to remain.
- Site access/egress (Hutton St) some tracking observed on steel plate at the site access and noted to be cleaned up during the ER inspection.
- Construction material laydown area (Hutton St) Minor sediment/dirt accumulation noted near waste skip bin that was relocated on-site. Discussed with SC regarding clean-up; action raised and closed out.
- Permanent drainage ESC noted to remain in place.
- Following SC's completion of conduit installation, the top yard has been handed over to SSJ for CSR scope of works.
- No graffiti observed on shade cloth installed along Hutton St side. Refer example photos within ER Inspection

Dulwich Hill TSS - No works reported and site closed.

- Site access/egress (Randall St) noted to be tidy at time of inspection and no graffiti observed on shade cloth installed along fence.
- Tree protection remains in place.

Campsie TSS

- TPZ remains in place.
- Sediment controls remain along fence line (Lillian Ln side).
- Drainage works noted along the rail corridor side of the TSS site, where sediment fence remains.
- SC informed the ER that headwall remains to be installed for drainage outlet; batter grading and planting is scheduled to occur post WE39. Discussed placing geofabric in addition to sandbags for drain where headwall remains to be constructed. Action raised and closed out.

Lakemba TSS

- Steel fixing works scheduled (no works at time of inspection).
- The Boulevarde was observed to be clean with no tracking observed at time of inspection. Stabilised concrete access/egress with rumble grid remains in place.
- ESC noted to be installed around stormwater drain in area.
- Laydown area for construction material was observed to be generally tidy.
- Site Environmental Plan noted to be displayed at pre-start area and spill kit remains in place near site office.

Punchbowl TSS

- Wall for cantilevered slab progressing.
- Flagging tape blown over from inclement weather to delineate trees to be re-installed. Note closed following ER inspection.
- ESCs remain along fencing on South Terrace side of works. Stockpile noted to be covered in area.
- TPZ remains in place for retained tree.
- No go zone/signage in place for threatened species (Acacia Pubescens).

Photos







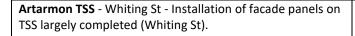


Northern Connection: Blinding completed and steelwork in progress for track

Blues Point Access Site: Concrete breakout and removal works are continuing. Example photos of ESC installed onsite









Pat O'Connor Reserve – Cable bridge nearing completion.



Joint Bay (JB) worksite - Anzac St - observed to be tidy. Dewatering works as required, during Standard Construction Hours.



Joint Bay (JB) worksite -Cooks Ave - bund remains in place around worksite (good control), preventing water from entering SC's worksite.



Campsie TSS – Steelwork in place for TSS facade installation.



Punchbowl TSS – FRP works continuing.

Endorsed Document/s

OOHWA-193 Punchbowl TSS Concrete Finishing Feb - Apr 2022

- OOHWA-192 Artarmon TSS Transformer Installation Works
- OOHWA- 161 Canterbury TSS Concrete Finishing Dec 2021 Mar 2022 Rev 01
- OOHWA-194 Dulwich Hill TSS WE38-WE39 Civil Works

Non-compliance/Incidents or Repeat Complaints

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.

Non-compliances: Nil this period

LW Northern Sites - Complaints:

- 11/2/22 Blues Point relating to noise (during Std Construction Hours)
- 11/2/22 Blues Point relating to dust and insinuating discontent with the fact that System Connect will be continuing concrete hammering for an extra 3 days from the initial two-week schedule.

LW Southern Sites - Complaints:

22/2/22 -CSW - Campsie Substation - ongoing noise and worker behaviour (allegations of workers butting out cigarettes outside of the driveway on Lilian Street, leaving their cigarettes there and that workers were working without valid employment checks). It was further confirmed by the Stakeholder Engagement Manager that the weekends resident claimed to hear the noises were weekends Sydney Metro were not working during the afterhours period as there was no work notified. The resident is still to send evidence of any of the claims made for a more thorough investigation. No evidence provided by resident for claims yet.

Other complaints include continuation of an existing complaint regarding the closure of a joint bay in Cooks Avenue, Canterbury relating to property value and ongoing Waterloo vibration complaints not related to SM/SC Project works.

There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256. The following minor (class 3) incidents were recorded:

LW North Incidents:

■ 10/02/22 - SMTF S civil site (stabling yard) - A bogey (dump truck) mistimed a turn on site and punctured the fuel tank on concrete curbing causing diesel (approximately 20L) to leak on the surface. Leak was contained within a section of the capping layer material (crushed rock), sandstone bunding and cleaned up. Bogey taken out of service until the fuel tank is repaired/replaced.

LW South Incidents:

09/02/22 - A spill (approximately <2L of hydraulic oil) occurred from a failed hydraulic hose of a small drill rig, which
was drilling holes beneath the substation base slab for installation of earthing rods. Spill was cleaned up and work was
stopped until the failed hose on the drilling rig was replaced.

Audits

Nil this reporting period

Looking Forward - Core Focus Areas

Line Wide

- Blues Point continuation of dewatering activities (as necessary, with vacuum trucks), to avoid the possibility of on-site water tanks overflowing and resuming of activities (restoration works, including the removal of remainder concrete apron) that have been paused due to ongoing severe weather. Potential for complaints from noisy works during Standard Construction Hours/OOHW (for dewatering, where required).
- Surry Hills BPS Randle Lane Service Investigation (nightworks) March /April 2022 (up to 6 nights, over two weeks).
 Potential for complaints from noisy works.

4. Train Service Operation and Maintenance (TSOM)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)		Swathi Gowda (North /South)
SSI 8256 (S2B)	Train Service Operation and Maintenance (TSOM)	` ' '
SSI 5931 (SMTF)		George Kollias (Alternate ER)

Key Construction Activities During the Period

SMTF North

- WE32 Possession (5-6 Feb 22) Test train operating between SMTF-N & Chatswood to integrate new migration state
- WK31-34 (1-26 Feb 22) Test train operating between SMTF-N & Chatswood to test the newly installed CBTC equipment and continuing in WE39 (26-27 Mar 22) and WK35-39 (1-31 Mar 22).
- Train Commissioning (static and dynamic) and retrofit works

Tunnels Chatswood Dive to Southern Dive

Southern Dive (SD)

- o SD to Waterloo (WL) Station installation of trackside equipment, signalling cables, radio cables
- o WL Pitt Street Station installation of cross passage (XP) equipment
- Pitt Street Station to Barangaroo various activities: installation of trackside equipment, signalling cables, XP equipment, communication and radio cables

Barangaroo Station to Victoria Cross

Cable installation in tunnel and XPs, trackside equipment installation and cabling

Northern Dive to Crows Nest Station tunnel section:

o Cable and cable tray installation, fibre splicing and termination of radio cables

Artarmon Substation:

Cabling and fit out in equipment room

Southwest Corridor

Installation of trackside equipment between Campsie and Bankstown (5-6 Feb 22 during the possession)

Stations:

Waterloo Station

 \circ Platform Screen Door (PSD) installation, fit out of station room and cable pulling

Central Station

- PSD installation survey, core drilling, and anchor and post installation
- Installation of equipment cabinets and containment
- o Cable hauling, installation of telephony, security and public address field devices

Sydenham Station

 Platform 1 and 2 edge barrier installation; fit out of Western service building and platform building equipment rooms; installation of field equipment and cable haulage

Key Construction Activities Look Ahead

- Northern Dive (to Crows Nest) cable tray installation, fibre splicing, termination of radio cables
- Southern Dive various activities (to Marrickville; WL Pitt Street Station; Pitt Street Station to Barangaroo)
 - Installation of XP equipment, trackside equipment; signalling, communication and radio cables
- Artarmon Substation Cabling and fit out in equipment room
- Northern Corridor WE39 possession: DCS relocation and fibre disconnection
- Barangaroo Station to Victoria Cross installation of cables, trackside and XP equipment
- Victoria Cross Station -mobilise to site, installation of underfloor cable tray in the SER Room
- Waterloo Station installation of PSD, cable trays in station rooms and hauling cables
- Central Station
 - PSD installation survey, set out, core drilling, anchor and post installation
 - o Installation of cabinets and equipment, telephony, security and public address field devices; cable hauling

Sydenham Station

- Installation of PSD on platforms, speakers, cameras, communications equipment and signalling equipment
- o Communications room fit out; testing and commissioning of communications equipment
- Cable hauling along trackway
- SMTF North WE39 (26-27 Mar 22) Relocation of signalling equipment (Chatswood turnback)
- Southwest corridor WE38 (19/20 Mar 22) / WE39 26/ 27 Mar 22) possession

- HBI
- WE39 26/ 27 Mar 22 Installation of new signal equipment and cables between Sydenham and Campsie
- WE39 26/ 27 Mar 22- Installation of new radio equipment at Punchbowl Station and Canterbury

ER Inspections

No ER inspections conducted in February 2022.

Photos

Not Applicable

Endorsed Document/s

Nil this reporting period

Non-compliance/Incidents or Repeat Complaints

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.

• The ER is not aware of any complaints or non-compliances. There were no incidents for TSOM reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.

Audits

No audits proposed

Looking Forward - Core Focus Areas

Development of TSOM Compliance Tracking Register (CTR) by the Contractor for three planning approvals.

5. ISDs

Project Approval	Contract Package	Environmental Representative/s
	Martin Place ISD Macquarie Bank/Lend Lease	Michael Woolley/ Rui Henriques
SSI 7400 (C2S)	Victoria Cross ISD (VC-ISD) - Lend Lease	Swathi Gowda/Michael Woolley
(Does not include	Crows Nest ISD – Sydney Metro	Rui Henriques/ George Kollias
associated SSDs)	Pitt Street ISD - CPB	Rui Henriques/ Michael Woolley
	Waterloo ISD – John Holland	George Kollias/Swathi Gowda

Key Construction Activities During the Period

MP-ISD

Bligh Street:

- Concrete deliveries and pumping. Various other deliveries.
- Ongoing operation of the Water Treatment Plant (WTP) and discharge of water to stormwater.

Martin Place South (MPS)

- Ongoing construction (FRP) of walls; columns, beams and floor slabs
- Jump form use
- Other general construction activities.
- Pumping of water to MPN WTP.
- Utilities and hoarding works (OOHWs)

Martin Place North (MPN)

Various building work activities ongoing such as FRP for columns; lift shafts; walls; floor slabs and other various items.
 Various works well above street level.

Station Caverns and Adits

- Installation of ventilation/exhaust systems
- Other fit out activities including installation of panelling, services and fire safety systems.
- Line Wide works in the station caverns separated from Lend Lease activities.

VC-ISD

Victoria Cross North

- Structural works within shaft, concrete pours/steel fixing/formwork (B08).
- Waterproofing
- North Yard Concrete delivery in progress

Victoria Cross South

- Carpark slab/station slabs concrete pours (B04), steel fixing and formwork
- Jumpform pours and lifts
- Waterproofing, blockwork

Denison St Stormwater Stage 3 works completed and worksite demobilised. Remaining final connection to shaft scheduled to occur in approximately 2-3 months

Station Cavern

- OTE ventilation modules progressing
- East trackway handed over to Line Wide, in addition to West trackway
- Blockwork and GRC panels installation

Station fit out

CN-ISD

- Waterproofing on southern and northern headwalls.
- Some works on B4 OTE
- Blockwork for B3 plant room.
- Steel fixing and moving wall shutters for B3 to B2/B1 walls.
- Concrete pouring for jump forms
- Services, finished and fit out of B5 platform and B4 OTE.
- HP removal was completed.
- B1 B3 steel fixing, form works, concrete pours.
- Disassemble jump form Site A

PS-ISD

Pitt Street South

- Eastern Jumpform dismantling completed
- South ventilation shaft completed cycles 3 and 4 pours completed
- Blockwork on B04 and B03 completed
- Level 0 slab deck has been poured
- Worker and material hoist established
- Service fit out for B4 and B3 commenced Jump form structures at Level 05
- Capping beam demolition completed
- Water management and operation of water treatment plant (WTP) as needed.
- Concrete slab pours to part Ground complete
- General FRP and Concrete works to construct the building perimeter walls to ground completed.
- Dismantling of formwork climbing systems underway
- Blockwork to B03

Adits and Platform Caverns

- Installing aluminium tube sub-frames
- GRC (lining) panel installation ongoing

Installing south adit steel boom.

Pitt Street North

- L-0 (above ground levels) Pour 1 and 2 commenced
- Central blade walls and central column jump forms dismantled
- Dismantled the western jump form
- Castlereagh street side capping beam demolition completed
- Stripped scaffold up until B03
- Shipping container (providing access for hoist) removed
- Commissioned for West core hoist
- Water recycling using WTP
- Capping Beam Demolition

WL-ISD

- Electrical utility and water utility works ongoing in local roads around site by subcontractors
- FRP works continuing in the Station box
- Blockwork construction for back-of-house continuing
- Over Track Exhaust (OTE) progressing
- Southern tower crane removed
- Precast beam deliveries and installation ongoing
- Interface Linewide concrete deliveries

Key Construction/Activities Look Ahead

MP-ISD

Ongoing similar construction/building activities as described for the reporting period.

VC-ISD

- OOH (night works) proposed for stormwater upgrade on Miller Street, North Sydney (Mar –May 22), including contingency in case of inclement weather delays
- Review and endorsement of CTR Q3 and CTR Q4 2021

CN-ISD

- Waterproofing, steel fixing and shuttering (Sites A C).
- B4 OTE
- Commencement of detail excavation of Site C.
- Concrete pumping and pouring.
- Services, finishes and fit out of B5 (platform), B4 OTE, B3 plant room.
- Interface- Linewide works on B6 (Platform) including concrete deliveries on Clarke Lane
- Disassemble jump form Site B
- Oversize over mass (Precast Girders) delivery will recommence the mid-March.

PS-ISD

Pitt Street North

- Capping beam demolition along Park Street
- Forming up L2 on western side
- Formwork up to L1 across site.
- Stripping up to Level B03
- L- 0 completion with pour 5

Pitt Street South

- Tunnel ventilation jump form pour 4,5 and 6
- Central jump form pour to be completed.
- Pouring Level 1 and 2 slabs
- Commencing blockwork on Level B02
- Continue with service works on Level B04 and B03
- B04 Front of house fit out.

Adits and Platform Caverns

- GRC panel installation ongoing.
- Installing the north adit GRC brackets
- Dismantling temporary accommodation sheds in south adit
- Pouring slab on ground in south adit.

WL-ISD

- Closure of Cope Street
- Utility works on surrounding streets

ER Inspections

MP-ISD

There was one ER inspection conducted by the ER on 25th February 2022. No issues were raised during the inspection. One issue relating to storage of chemicals was closed out. Due to rain affecting works, there were limited activities being undertaken at the time of the inspection.

VC-ISD

There was one ER inspection conducted by the ER on 9th February 2022. No new issues raised.

CN-ISD

There was one ER inspection conducted by the ER on 16th February 2022. The following issues were raised:

- Storage of unbunded flammable liquids containers at north end of platform
- Tonal alarms on two EWPs at South end of platform and western wall at B3 respectively.
- Stormwater pit ERSED protections on Clark Lane South required maintenance

PS-ISD

There were no ER inspections conducted by the ER during the period due to COVID-19 infections and concerns and then wet weather. There was limited progress of the works due to significant impact of COVID -19 on the workforce and the wet weather. A description of works progress was provided at environmental meetings with a virtual (photo) walkthrough highlighting any potential issues identified by the contractor.

WL-ISD

There was one ER inspection conducted by the ER on 15th February 2022. The key points raised at this inspection were:

- Rotten timber on hoarding being replaced. Some timber pieces observed on footpath. JHG to remove and dispose waste timber.
- JHG informed the ER that noise blanket installation will be completed prior to night works commencing on 18th Feb
- Sediment control noted around kerb drain on Cope St near Utility Works. Drain on opposite side of Cope St was discussed and JHG informed the ER that drain protection had already been raised in JHG's internal Environment Inspection with material on order.
- JHG report no issues / triggers at Water Treatment Plant for January and February 2022.

Photos

MP-ISD





Platform Caverns – Fit out

Pedestrian access at Platform level – fit out





Martin Place South - Ongoing FRP works

Martin Place South – Ongoing FRP works





Martin Place North - Jump form

Martin Place North - Jump form

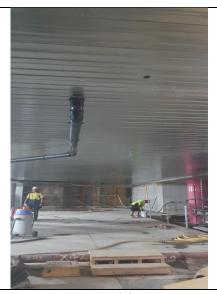
VC-ISD



<u>Victoria Cross North - Level B8 (Station) - Concrete pour for structural floor.</u>



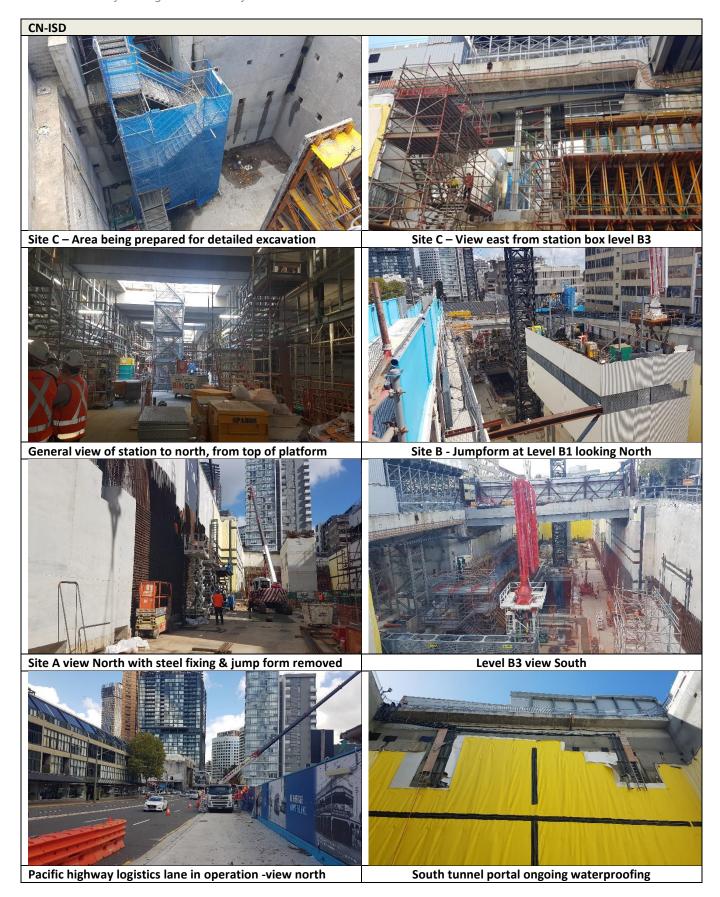
Denison Street - Stormwater works – Stage 3 area: works completed and worksite demobilised. Final connection to shaft is scheduled to occur in approximately 2-3 months.



Victoria Cross South - Bondek® formwork under B4. Use of Bondek® removes need for stripping formwork.



Station Cavern - GRC panel installation progressing.



PS-ISD

Nil photos this period

WL-ISD



Form Reo Pour (FRP) works ongoing



Escalators delivered and placed for the connection of the platform to mezzanine level. OTE progressing

Endorsed Document/s

MP-ISD

OOHW 094: North site – Castlereagh & Elizabeth Streets Hoarding reconfiguration works

VC-ISD

Nil this period.

CN-ISD

- Construction Visual and Landscape Management Plan Rev G 25/1/22
- OOHW 012 Hume Street Bridge High Voltage Pipe Removal Rev E 03/02/22

PS-ISD

- Construction Environmental Management Plan Revision 01 dated 21/02/2022.
- OOHW 034 Works for March 2022, dated 28/2/22

WL-ISD

OOHWA #29 March OOH Work RevC

Complaints / Incidents / Non-compliance

ALL

Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Complaints are discussed where relevant for each package below.

There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. Where the ER is aware of minor events and non-compliances, these are as documented below.

MP-ISD

Nil incidents or non-compliances were reported or observed during the reporting period. There were two complaints reported to have been received by Lendlease during February. One related to worker behaviour; the other to OOHWs and notification of OOHWs.

VC-ISD

One NCR was recorded in the February period against the EHS Plan (C1) regarding NATA calibration of attended noise monitoring equipment; NATA calibration had not been carried out within the required two-year period. Action raised and closed out by LL.

Nil project related complaints or incidents reported to the ER during this reporting period.

CN-ISD

There were no non-compliances or incidents reported to the ER. There were three complaints during the period relating to:

- Subcontractor vehicle parked in a bus zone on Hume Street making it difficult and unsafe for him to reverse out of his driveway.
- Respite options do not suit the nature of stakeholder's business and dissatisfaction of notification timeframe and changes to previously planned noisy work.
- Dissatisfaction with answers to stakeholder's queries about upcoming works.

PS-ISD

There were no non-compliances or incidents reported to the ER. There was one enquiry from a stakeholder requesting information about work on jump form adjacent to property courtyard.

WI-ISD

There were no non-compliances reported to the ER this reporting period. There was an oil spill from crane (10/02/2022). There were three complaints received:

- 1/2/22 Complaint about OOH utility work in front of residence.
- 7/2/22 Noise complaint regarding OOH on Wellington Street
- 8/02/2022 Consultation OOHW; Cumulative impacts; Noise & Vibration OOHW Noise complaint and loss of rental income
- 16/2/22 Complaint about vibration from OOH works

Audits (specific to packages reported in this report)

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas

MP-ISD

Nil

VC-ISD

 OOH (night works) proposed for stormwater upgrade on Miller Street, North Sydney (Mar –May 22), including contingency in case of inclement weather delays. Potential for complaints and construction fatigue.

CN-ISD

• Significant out of hours planned to continue and opportunities to modify community engagement model to address risks accordingly and consider alternative approval pathways.

PS-ISC

• Significant out of hours planned to continue and opportunities to modify community engagement model to address risks accordingly and consider alternative approval pathways.

WL-ISD

Increase in complaint numbers including cumulative impacts and noise & vibration

6. Barangaroo Station (BESIX Watpac)

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Barangaroo Station (BESIX Watpac)	Jo Heltborg

Key Construction Activities During the Period

Civil:

- Stormwater works, including sheet piling, trenching and pipe installation
- Demolition of the second road bridge deck
- Backfilling on top of waterproofed station box
- Concrete pours from ground level to inside the station box
- Import and stockpiling of tunnel spoil from Rozelle Interchange
- Water Treatment Plant (WTP) operation

Station Box

- Installing structural steel, concrete and blockwork
- Overhead Track Exhaust (OTE) ongoing
- Portion 1A (downtrack) handed over to Linewide

Key Construction Activities Look Ahead

- Continue sheet piling and excavation for stormwater trunk relocation
- Blockwork, OTE steel work and services installation to continue in the station box
- Waterproofing of Hickson Road slab will continue
- Archaeological test excavation will start in stormwater trench likely from Monday 21st Feb
- Demolition of access bridge north ongoing
- OOH-006 Services installation (utilities) commencing 16th Feb on Hickson Road

ER Inspections

There were two ER inspections conducted by the ER in February 2022 (03/02/2022 and 16/02/2022). The key issues raised at the inspections were:

- Resolution of noise complaints received from surrounding residents, implementation of noise and vibration mitigation
- Water discharge issues need to be resolved soon to allow the completion of the stormwater trunk relocation scope
- Planning approval for proposed tree removal associated with trenching for the seawater cooling system scope
- Compliance with hazardous chemical storage requirements (IBCs), including bund management
- Erosion and sediment control (ERSED) protection for stormwater inlets.

Photos



Noise blankets placed along the site hoarding shielding active rock breaking works were installed the wrong way around



ERSED controls at the WTP discharge point required maintenance





The western stormwater pit remained covered while a solution to excessive water ingress is determined

Retrofitting of the WTP is now complete, increasing the capacity for water treatment from 8L/s to 15L/s

Endorsed Document/s

OOHWA-006 - Hickson Road night works for services installation Rev04

Non-compliance/Incidents or Repeat Complaints

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 Barangaroo Station.

There were no non-compliances reported to the ER for Barangaroo Station for the period.

There were no incidents for Barangaroo Station reported to the ER under conditions A41 of SSI 7400.

There was one Class 3 environmental incident reported to the ER for the period:

• 8/2/22: An oil leak from a parked private vehicle was observed. Spill kits were deployed to contain and clean up the oil spill. The used contents of the spill kits were then disposed of as contaminated waste. The vehicle was removed from site for repair.

The ER is aware of five complaints received during February 2022 related to the BESIX Watpac works:

- **2/2/2022 (x2):** Two residents called to complain about noise intensive hammering works during demolition of road bridge decks. Works were during standard working hours.
- **3/2/2022 (x2):** Two more residents called to complain about noise intensive hammering works during demolition of road bridge decks. Works were during standard working hours.
- **16/2/2022:** Resident from Argyle Place (above the site) called to complain about jack hammering between 9.30pm and midnight. The works were approved under an OOHW and the notification had been distributed as required.

Subsequent to complaints on 2&3/3/22, representatives from Sydney Metro, BESIX Watpac and the Independent Acoustic Advisor (AA) attended the Millers Point Community Residents Action Group on 8 February to discuss the Project, planning approval and noisy works. Explanations provided during the meeting were received well and a list of commitments resulted, which are in the process of being implemented. The community was appreciative of the input provided.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas

- Emergency management measures and procedures for overflow/discharge of water in the event of extreme weather
- The management of water in the deep excavation for the stormwater trunk main
- Compliance with water quality parameters in the Water Discharge Impact Assessment (WDIA) during discharge from the Water Treatment Plant
- Management of noise during planned out of hours work, and during standard construction hours, particularly in relation to demolition of the bridge deck, then Hickson Road. Management of potential noise cumulative impacts. Noise modelling for next scope of noisy works (demolition of Hickson Road).
- Investigations and predictions for vibration prior to demolition works in the vicinity of the heritage-listed Hickson Road wall.
- Fuel and chemical storage and waste management

7. Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW)	Jo Heltborg

Key Construction and Low Impact Works Activities - During the Period

Southwest Metro Corridor (SMC):

- Canterbury Compound: Site offices and amenities, fuel and gas storage. Public footpath construction underway on the eastern side of the compound.
- Ewart/Ness Street, Hurlstone Park: Hi-rail access pad installed and trees removed for new operational access. Stump grinding complete.
- Melford Street Bridge, Hurlstone Park: GST and CSR works continuing from the culvert to the Melford Street Bridge;
 rope pulling through conduit underway.
- Wairoa Street Bridge, Campsie: Piling for crash beams on either side of the bridge underway.
- Loftus Street/Lillian Lane, Campsie: Installation of high voltage (HV) pit on Loftus Street. Hi-rail access pad installed on track.
- Loch Street Bridge, Campsie: GST piles and pile caps installed on both sides of the bridge during the WE32 possession. Batters stabilised in disturbed areas with jute mat and hessian.
- Peel Street, Belmore AMZ: Installation of GST troughing ongoing in the Archaeological Management Zone (AMZ).
- Moreton Street Bridge, Belmore (& toward Lakemba Station): GST installation continued within close proximity of a Threatened Ecological Community (TEC).
- Haldon Street Bridge, Lakemba: GST was installed up and along the batter during the WE32 possession. Jute matting had been laid for stabilisation of the steep slope.
- Duke Street, Campsie: Proposed extension of the project boundary to facilitate Duke Street bridge works subject to Planning Approval Consistency Assessment (PACA).
- Wiley Park TEC: Ecologist inspection conducted prior to planned future works, including ground-truthing of mapping.
- Punchbowl Hi-rail Access: Construction of the new access to the hi-rail access pad had commenced.

Bankstown Early Works (BEW):

- Metro Services Building (MSB): Works continuing on the MSB including formwork and concrete pours (FRP). Precast walls and structural steel had been crane lifted into place.
- Southern Down Platform: FRP for the southern platform was being installed and concrete pours were ongoing.
- Stacey Street Bridge (Country-side, Bankstown): GST installation continued.

Key Construction Activities Look Ahead

Out of Hours Work:

- BEW South Terrace Ausgrid connection works (10-11 Feb)
- BEW Stormwater connection works (16-18 Feb)
- BEW Sewer connection works (3 nights a week for 2 weeks, ~March TBC)
- WE34 Possession (19-20 Feb)
- WE38 & WE39 Possessions

Other:

- Marrickville: Piling for crash beams and RW1A & RW3, works within AMZ at Victoria Road Bridge.
- Hurlstone Park: Installation of throw screens (Church Street footbridge). GST & CSR work on city and country-side of Melford Street Bridge. Replacement of redundant troughing during the next possession.
- Campsie: Removal of Quenos gas pipe; GST installation at Lillian Lane and Loch Street ongoing.
- **Belmore**: GST troughing in the AMZ (country-side of Belmore station). GST installation on the country-side of Moreton Street Bridge adjacent to TEC, continuing toward Lakemba Station.
- Lakemba: GST install above Retaining Wall 21.
- Punchbowl: CSR installation; HV pit 22 rectification. ULX and GST transition. Construction of hi-rail pad access.
- Bankstown: Stacey Street bridge screens over next possessions; additional HV pits
- BEW:
 - o CSR/GST installation on country side of Stacey Street Bridge
 - Ongoing construction of the MSB (steel and precast concrete crane lifts)

Out of hours works during local area works at South Terrace for sewer and Ausgrid connections [WE 32 (Sat 5/02-Sun 6/02)].

ER Inspections

There were two ER inspections conducted by the ER in February 2022 (08/02/2022 and 22/02/2022). The key issues raised were:

- Moreton Street Bridge, Belmore/Lakemba: Protection measures adjacent to the TEC had been temporarily removed during GST works. A gap in TEC protection measures was also observed at the top of the batter.
- **Melford Street Bridge, Hurlstone Park:** A steep section of the internal haul road was unsealed, increasing the risk of sediment-laden runoff into the culvert at the bottom of the site (controls were in good condition).
- BEW MSB Site: Boundary controls (coir logs and gravel/sandbags) were at risk of overtopping during intense rainfall
 event
- **BEW, Stacey Street Bridge:** A large, unsealed area under the bridge was generating sediment-laden runoff beyond the site and into the gutter along South Parade. Large coir logs were in place, which were rearranged at the time of inspection to reduce the sediment load. Controls were improved at the time of the inspection and an incident report was subsequently raised.

Actions were raised for the above issues, and all actions were in the process of being investigated / closed-out by JHLOR.

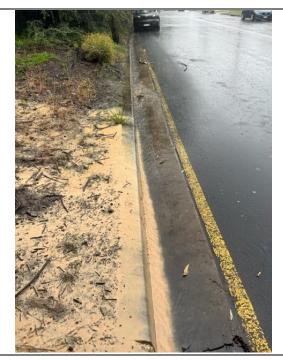
Photos



Disturbed land, Melford Street, Hurlstone Park (ERSED issues identified for rectification)



Boundary controls were at risk of overtopping during intense rainfall event at the BEW MSB Site





Sediment laden runoff identified under the Stacey Street Bridge after a large rainfall event (an incident was raised)



Canterbury Compound – new pedestrian footpath being established behind the compound for the community



Piling for crash beams at Wairoa Street, Campsie





Leaders in Environmental Consulting

Works continued on the Bankstown Station MSB	Site accesses were clean and well controlled at the BEW
	MSB Site

Endorsed Document/s

Sydney_Metro_Upcoming_Compliances_SWM-Corridor-Q4-2021 Rev01_ER

Non-compliance/Incidents or Repeat Complaints

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 SMC.

There was one non-compliance reported during the period related to the SMC BEW works:

■ SMC-NCR-013 OOH Marrickville_17 Feb 2022: A resident from Warburton Road, Marrickville complained about after-hours noise until 6:45pm on the night of 17/2/22. An investigation found that a JHLOR subcontractor had proceeded with inaudible clean up works past 6pm, however then started to remove a dried clump of concrete by first breaking (with a handheld kanga) for 10-15mins to reduce to manageable pieces for removal. JHLOR held a Toolbox Talk for the subcontractor to reiterate the importance of compliance with working hours on 22/2/22.

There were no incidents for SMC reported to the ER under conditions A36 of SSI 8256.

There was one Class 3 environmental incident reported during the period related to the SMC BEW works:

• SMC-INC-014: During an ER Inspection at Stacey Street BEW, it was identified that the ERSED controls had been breached in a heavy rain event. A coir log was missing, however was replaced immediately. The issue is related to a pre-existing site condition that was improved by the JHLOR applied ERSED controls. The rain at Bankstown reached the 20% average exceedance probability (AEP) for a 3hr period. ERSED controls are not generally designed to withstand this high AEP. No material harm to the environment.

The ER is aware of the following four complaints received during February 2022 related to the SMC_BEW works:

- 6/2/2022: Rock breaking near Hurlstone Park (reported 7/2 Daily Complaints). JHLOR Place Manager organised for attended noise monitoring to take place, to validate noise model and actual noise levels. Stakeholder updated confirming attended noise monitoring in line with predicted noise levels. Closed.
- 6/2/22: Traffic and parking, worker behaviour 6/02 (reported 8/2 Daily Complaints). Due to lack of information unclear if related to SMC. Closed.
- 17/2/22: Warburton Road, Marrickville—Brief concrete breaking OOH. A toolbox talk will be held with the subcontractor (reported 21/2 Daily Complaints). Toolbox talk completed 22/2. NCR raised by JHLOR (SMC-NCR-013).
- 22/2/22: Complaint regarding the temporary traffic light phasing sequence and poor communication between traffic controllers, which was creating a traffic hazard for residents passing by (reported 28/2 Daily Complaints). A technician attended and lights have been recalibrated. Issue with sequence believed to have been caused by severe rain.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas

- Management of ERSED controls generally
- Maintenance of tree protection measures, particularly in the vicinity of TECs and threatened species Acacia pubescens
- Implementation of the Tree Report during vegetation pruning and removal
- Management of noise during OOHWs

8. Marrickville, Canterbury & Lakemba Station Upgrades (MCL)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Marrickville, Canterbury & Lakemba Station	Brett McLennan
331 0230 (328)	Upgrades (MCL) (HSEJV)	Brett Welennan

Key Construction Activities During the Period

Marrickville:

- Station building electrical fit out continued.
- MSB structural construction continued.

Canterbury:

- MSB excavation of UST cells had commenced.
- Service installation works in the platform buildings continued.

Lakemba:

- MSB service connections continued and formwork installation had commenced.
- Service installation works in the platform buildings continued.

Key Construction Activities Look Ahead

- Construction of the MSB's at all stations
- Demolition and reconstruction of Canterbury Stairs
- Lift shaft construction Canterbury

ER Inspections

There was one ER inspection conducted by the ER on 16/02/2022 The key issues raised at the inspection was:

Lakemba:

- It was noted maintenance of the erosion and sediment controls was required.
- It was noted that 'no parking' and car park closure signs from previous possessions required removal from public carpark.
- The final design of The Boulevarde carpark culvert was discussed with HSEJV and Sydney Metro, noting potential for biological contamination from the ibis rookery above ponded water prior to discharge.

Photos







Marrickville MSB -16/02/22





Canterbury MSB excavations - 16/02/22

Canterbury Platform 2 services installation - 16/02/22



Lakemba MSB – stormwater / services connection works – 16/02/22



Lakemba The Boulevarde Carpark swale exit – 16/02/22

Endorsed Document/s

- NVMP Rev 6
- GWMP Rev 00

Non-compliance/Incidents or Repeat Complaints

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 MCL.

The ER is aware of no new NCRs for the month and no complaints relating to MCL works. There were no incidents for MCL reported to the ER under condition A36 of SSI 8256..

Audits

No ER involvement in audit activity including Independent Environmental Audits

Looking Forward – Core Focus Areas

- Continued implementation checks for CEMP and sub plans, focusing on ESC and parking / traffic impacts.
- Noise and vibration surveillance of ULX crossing construction at Marrickville.
- Review and endorse CEMP and Sub-plans.
- Compliance Tracking Q3/Q4 review and endorsement.

HBI

Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW) and Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW) (Downer) Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)	Brett McLennan

Key Construction Activities During the Period

Hurlstone Park

- MSB excavations for the stormwater connections continued, MSB site sheds had been relocated.
- Platform building refurbishing works continued.
- Duntroon St Bridge Piling completed, and formwork had commenced.

Belmore

- MSB- fit out works continued.
- Platform building refurbishing works continued.
- Lift shafts were installed.

Wiley Park

- MSB Scaffold installation was observed. All other works are on hold pending design changes.
- Platform building refurbishing works continued.
- Lift shafts were installed.

Dulwich Hill:

- MSB Conduit installation and form works continued.
- Radio mast footing installed.
- Platforms Station fit out continued.

Campsie:

- MSB Conduit installation and form works continued.
- Concourse installation works had commenced.
- Platforms Station fit out continued.
- Beamish Street repaving ongoing.

Punchbowl:

- MSB Roof installation, drainage and CSR works completed. Fit out continued.
- Concourse installation works continued.
- Platforms Station fit out continued.

Key Construction Activities Look Ahead

- Construction of the MSB's at all stations.
- Construction of the pedestrian bridge, lift shaft, and stairs at Dulwich Hill
- Demolition and reconstruction of stairs, and construction of lift shafts at Hurlstone Park.
- Landscaping for station Plaza(s)

ER Inspections

There was one ER inspection conducted by the ER for HBW on 16/02/2022, and one for DCP on 16/02/2022. The key issues raised at these inspections were:

Hurlstone Park

- It was noted that erosion and sediment controls (ESC) along the MSB boundary required maintenance.
- It was noted that the stabilised embankment adjacent to the MSB had been reshaped, and ESC required reinstatement.
- It was noted that the MSB boundary batter required ESC to be installed.

Belmore

No issues raised.

Wiley Park

It was noted that a newly constructed concrete v-drain had significant algal growth and algal growth was at the discharge into the open swale at Urunga Pde.

Dulwich Hill

Minor ESC maintenance.

Campsie:

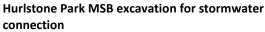
No issues raised.

Punchbowl:

No issues raised.

Photos







Wiley Park lift pits installed



Belmore plaza concreting works



Punchbowl concourse construction





Campsie MSB construction

Dulwich Hill MSB construction.

Endorsed Document/s

- OOHWA#15 Rev E
- OOHW Concreting overrun Campsie MSB

Non-compliance/Incidents or Repeat Complaints

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 HBW.

The ER is aware of no new non-compliances raised in February, and one complaints for DCP/HBW related to Downer's work for the period

Complaints:

The complaint is summarised is as follows:

Hurlstone Park

One complaint relating to staff parking in the public car park.

There were no incidents for HBW or DCP reported to the ER under conditions A36 of SSI 8256.

Audits

No ER involvement in audit activity including Independent Environmental Audits (IEA Program).

Looking Forward – Core Focus Areas

- Continued implementation checks for CEMP and sub plans, focusing on ESC and community impacts.
- Review and endorse CEMP and Sub-plans.
- Compliance Tracking Q3/Q4 review and endorsement.

10. Sydney Metro Retained Obligations (SM) /Other

Project App	roval	Contract Package	Environmental Representative/s	
SSI 7400 (C2S)		Sydney Metro Retained Obligations (SM) /Other	Jo Robertson	
SSI 8256 (S	2B)	Sydney Metro Retained Obligations (SM) /Other	JO ROBEITSOIT	
Key Construc	ction A	ctivities		
SM	The E	R is not aware of any CSW related SM construction a	ctivities other than as referred to on a package	
	basis	above.		
ER Inspection	ns			
SM	- N	lil .		
Endorsed Do	Endorsed Document/s			
SM	■ Nil			
Non-compliance/ Incidents or Repeat Complaints				
Sydney Metr	o has b	peen providing summaries of complaints to DPIE daily	and a summary to the ER. Responses to each	
complaint ha	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.				
There were no non compliances or incidents raised by the ER against Sydney Metro for the period.				
Audits				
SM	/ Nil			
Looking Forward – Core Focus Areas				
SM	• T	here is a refreshed focus being applied within Sydney	y Metro to improve reporting performance in	
	r	elation to the Compliance Tracking Program. Concert	ed effort has been made by all involved parties to	
	b	ring the timing of deliverables required under this pr	ogram up to date.	

11. Statement of Limitations

Healthy Buildings International (HBI) has prepared this report in accordance with the requirements of Condition A24(I) 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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