

Healthy Buildings International Pty Ltd A.C.N. 003 270 693 A.B.N. 39 003 270 693 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

Mr Rob Sherry Team Leader Compliance – Government Projects Department of Planning Industry and Environment Locked Bag 5022 PARRAMATTA NSW 2124 13 January 2023 Ref:201208-ER_DPE-December 2022

Dear Rob

RE: Sydney Metro - Sydney Metro West SSI - ER Monthly Report for December 2022

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

- Condition A30 (k) of the Sydney Metro West, Concept and Stage 1 SSI 10038 Approval (11 March 2021), and associated modifications (MOD 1 28 July 2021, MOD 2 3 June 2022, MOD3 4 July 2022 and MOD4 23 December 2022); and
- Condition A32(k) of the Sydney Metro West The Bays to Sydney CBD SSI 19238057 Approval (24 August 2022).

The attached summary details the key activities undertaken by Environmental Representatives for Sydney Metro – Sydney Metro West for the month of **December** 2022.

This report is submitted in accordance with an extension granted by DPE on 14 December in relation to SSI 10038. For completeness, preliminary planning activities relevant to SSI 19238057 are described in this report. Works related to the approval are planned to commence in January 2023 as will be documented in the January 2023 report.

Yours sincerely

Greg Byrnes Environmental Representative

Cc:

Sydney Metro: Matthew Marrinan, John Lerokis, Pamela Tummers, Andrew Hendy, David Virtue Contractors: Joshua Maltese (Quick way), Jared Lipton (AFJV), Tahlia Moore (Transport for Tomorrow), Hayley Young (GLC) DPE: Major Projects Portal

HBI

Healthy Buildings International Pty Ltd

Table of Contents

1	Phas	e A - Power Enabling Works	.4
	1.1	Key Construction Activities During the Period	4
	1.2	Key Construction Activities Look Ahead	4
	1.3	ER Inspections	4
	1.3.1	Photos	4
	1.4	Endorsed Documents	4
	1.5	Complaints	4
	1.6	Compliance	5
	1.6.1	Incidents	5
	1.6.2	Non-compliance	5
	1.6.3	Audits	5
	1.7	Looking Forward – Core Focus Areas	5
2	Phas	e B - Central Tunnelling Package	.5
	2.1	Key Construction Activities During the Period	5
	2.2	Key Construction Activities Look Ahead	7
	2.3	ER Inspections	7
	2.3.1	Photos	8
	2.4	Endorsed Document/s	9
	2.5	Complaints	9
	2.6	Compliance	9
	2.6.1	Incidents	9
	2.6.2	Non-compliance and Potential Non Compliance	10
	2.6.3	Audits	10
	2.7	Looking Forward – Core Focus Areas	10
3	Phas	e C - Existing Rail Corridor Enabling Works	10
	3.1	Key Construction Activities During the Period	10
	3.2	Key Construction Activities Look Ahead	10
	3.3	ER Inspections	11
	3.3.1	Photos	11
	3.4	Endorsed Documents	11
	3.5	Complaints	11
	3.6	Compliance	11
	3.6.1	Incidents	11
	3.6.2	Non-compliance	12
	3.6.3	Audits	12



HBI

ealthy Buildings International Pty Lte	d
--	---

	3.7	Looking Forward – Core Focus Areas	. 12
4	Phas	se F – Western Tunnelling Package	.12
	4.1	Key Construction Activities During the Period	. 12
	4.2	Key Construction Activities Look Ahead	. 13
	4.3	ER Inspections	. 13
	4.3.1	Photos	. 14
	4.4	Endorsed Document/s	. 15
	4.5	Complaints	. 16
	4.6	Compliance	. 16
	4.6.1	Incidents	. 16
	4.6.2	Non-compliance	. 16
	4.6.3	Audits	. 16
	4.7	Looking Forward – Core Focus Areas	. 16
5	East	ern Tunnel Package	.16
6	Sydr	ney Metro Retained Obligations and Other Activity	.18
	6.1	Key Construction Activities During the Period	. 18
	6.2	Key Construction Activities Look Ahead	. 18
	6.3	ER Inspections	. 18
	6.3.1	Photos	. 18
	6.4	Endorsed Document/s	. 18
	6.5	Complaints	. 18
	6.6	Compliance	. 18
	6.6.1	Incidents	. 18
	6.6.2	Non-compliance	. 19
	6.6.3	Audits	. 19
	6.7	Looking Forward – Core Focus Areas	. 19
7	State	ement of Limitations	.20



1 PHASE A - POWER ENABLING WORKS

The Environmental representatives for Phase A of Sydney Metro West are:

- Michael Woolley
- Greg Byrnes

Phase A - Power Enabling Works (PEW) is being delivered by Quickway.

Quickway are not required to hold an Environmental Protection Licence for these works.

1.1 Key Construction Activities During the Period

• Sites held by Quickway had been handed over to SM during the October reporting period. No material works were understood to have been conducted by Quickway during the month of December other than preparatory works for the conduct of road restoration works to be conducted in January 2023.

1.2 Key Construction Activities Look Ahead

- Restoration of road pavement impacted by the works across the alignment including Mullens Street and Robert Street.
- Pavement restoration works in other areas of the project such as Darling and Merton Streets timing planned for January 2023 and subject to ROLs.

1.3 ER Inspections

There were no ER Inspections conducted during the reporting period. An inspection is planned for the road restoration works in January 2023.

1.3.1 Photos

As no inspections were undertaken, there were no photos taken of the Quickway works during the reporting period

1.4 Endorsed Documents

The following documents were endorsed during the reporting period:

- OOHW-013(b) Final Road Restorations Various Locations; Mullens St Robert Street intersection towards Mansfield Street and Robert St From Mullens Street to Bridge Port Access Road (Revision 5) that covers an increased scope of works for this activity including footpath restoration works.
- OOHW-014- Darling Street Restoration Works (Rev 1.0) covering road restoration works along Darling Street and Merton Street in January 2023.

1.5 Complaints

Based on weekly Sydney Metro Complaint Registers provided, one complaint relating to PEW activities was reported during the month. The complaint related to: Property owner not notified of updated property survey time;

It is understood that there remain some property damage claims being reviewed by Sydney Metro. The ER has not been involved in this process.



1.6 Compliance

1.6.1 Incidents

No incidents were reported as per A43 of the Conditions of Approval for SSI 10038 for works conducted under the project approval during the reporting period.

1.6.2 Non-compliance

No Non-Compliance Reports (NCRs) were issued by the Contractor during the reporting period. No events were observed by the ER that was formally determined to represent a non-compliance.

1.6.3 Audits

No audits were conducted during the reporting period.

1.7 Looking Forward – Core Focus Areas

Daytime and OOHWs to restore roads along the works alignment such as Darling Street and Merton Street in January 2023. Quickway are planning to use ROLs provided during daytime periods to reduce OOHWs for these activities.

2 PHASE B - CENTRAL TUNNELLING PACKAGE

The Environmental representatives for Phase B of Sydney Metro West are:

- Michael Woolley
- Jo Robertson

Phase B – Central Tunnelling Package (CTP) is being delivered by Acciona Ferrovial Joint Venture (AFJV). Phase B of Sydney Metro West has been further broken into:

- Phase B1: Civil works
- Phase B2: Tunnelling works

The AFJV hold EPL 21610 for this Phase of works. Activities defined as Phase B2-Tunneling Works in the Staging Report for Metro West commenced during the November reporting period at Burwood North, with the commencement of Road Header activities to excavate the tunnel to the south shaft (reported by AFJV to be on 21 November 2022).

2.1 Key Construction Activities During the Period

The Bays

- Ongoing site establishment including FRP for new slabs; construction and commissioning of the WTP; installation of pipes and pumping systems etc.
- Completion of grouting works adjacent to the White Bay Power Station (WBPS) with the area handed back to FDC.
- Ongoing use of the haul road for WCX vehicles to access their site without going through the footprint of the station box.
- Ongoing Form Reo Pour (FRP) for spoil shed slab and footings. Some of these works is planned OOHs.

- Ongoing excavation of the station box involving use of rock hammers in rock at the eastern end of the station box. Ongoing drilling and stressing of rock anchors at relevant levels within the station box as excavation. Pumping of water from the station box to the temporary WTP. Construction of concrete blinding for each layer to provide a working surface.
- Ongoing construction of the Segment Shed frame over the station box using multiple cranes.
- Site offices and compound in operation.
- Operation of a temporary water treatment plant (WTP) with discharge of treated water occurring under EPL conditions. Use of bulk sediment bags to remove some sediment prior to treatment in the WTP. Some bags removed during the period.
- Stockpiling and load out of spoil from the excavation of the Station Box.
- HV installation in the former PEW area.

Five Dock

- West shaft: Construction of capping beams and general concreting works for slabs and footings. Completion of the under bore for services between the two shaft sites.
- East Shaft: Ongoing installation of acoustic panels on the shed. Drilling and placement of rock anchors for the capping beam around the shaft. Commencement of excavation of the shaft and loading of trucks off site. Use of a house on Waterview Street adjacent the eastern shaft site leased from Council. Fit out of site sheds on the property. Completion of works for the under bore retrieval pit on Second Street outside the site and restoration of the road.
- Utilities works in local streets.

Burwood North

- Ongoing road header activities to excavate the adit to the south shaft. Shotcreting and wall support activities for the adit during evening period under EPL OOHWs permit.
- Use of multi storey site offices.
- Ongoing excavation of the station box; stockpiling and load out off site of excavated materials. Wall support such as rock anchor installation. Ongoing construction of frames for the acoustic shed that will progress over the station box.
- Use of truck egress to Loftus Street and site access from Parramatta Road.
- Ongoing construction and commissioning of the Water Treatment Plant.
- Utility work in Burton Street.
- Various site establishment activities across the site.

North Strathfield

- Ongoing piling activities on the lower side of the station box.
- Utility and traffic related works in the vicinity of the station box and general area.
- Construction of concrete pavement for future loading area along Queen Street adjacent the site.

Sydney Olympic Park

- Ongoing excavation of the station box using a ripper on a dozer and excavators; drilling; installing and testing rock anchors; shotcreting of walls. Load out of spoil from site using truck and dogs.
- Use of site exit including weighbridge and wheel wash (as deemed to be required) to Figtree Drive. Heavy vehicles entering from Herb Elliot Av.
- Ongoing FRP works for slabs over unsealed areas of the site. The majority of the site is now hardstand.
- Project Office Operating.



Various utility and other works out of hours at most sites. Site generally shutdown on 23 December for the Christmas holiday period. Sites were to return from the break at different periods depending on works at each site, with most sites returning by 3 January 2022.

2.2 Key Construction Activities Look Ahead

- Ongoing activities as described above. Various OOHWs relating to services; road signs and signals, hoarding installation etc at all sites. Activities such as site investigations; utilities related works and site establishment.
- TBM water supply works in Rozelle along Robert St and other streets.

2.3 ER Inspections

There were four ER inspections conducted by the ER each Thursday in December 2022 except for 29th December where sites were generally shutdown over the holiday period. The Bays site was visited during each inspection while other sites were visited on an alternating basis. Generally drier conditions were experienced during the month. For two inspections no new actions were raised. Key issues raised during the other two inspections included:

The Bays:

- Opportunities for improvement of ERSED controls at the main stockpile area and at the WBPS ground improvement area
- Confirmation of heritage standards being met at the WBPS.

Five Dock:

• General notes only

Burwood North:

- Loose dirt on hardstand areas and tracking of dirt at exit to Loftus Street
- Maintenance of respite periods
- Maintenance and adequacy of ERSED controls at various locations
- Reinstatement/Maintenance of footpath surfaces
- Notes relating to water from a Sydney Water pipe leak on site potentially draining to Parramatta Road

North Strathfield

• General notes only

SOP

• General notes regarding cleaning of hardstand to reduce dust; and ensuring ERSED capacity is maintained during shutdown period. Good dust management was noted for excavation works during the site inspection on 22 December 2022.

2.3.1 Photos



Figure 2 1 Ongoing large concrete pours for the Spoil shed foundations (The Bays)



Figure 2 3 Ongoing excavation of the station box (Burwood North). Ongoing tunnelling in the adit.



Figure 2 5 Ongoing construction of the acoustic shed (Five Dockeast). Roof sheeting still to be installed. Anchor installation for capping beam and commencement of excavation..



Figure 2 2 Ongoing excavation of the station box (The Bays). Water pumped to the WTP.



Figure 2 4 Ongoing construction of frame of the acoustic shed (Burwood North)



Figure 2 6 Ongoing excavation of the station box (SOP) using dozers and excavators



Figure 2-7 Ongoing piling on the lower side of the station box at North Strathfield

2.4 Endorsed Document/s

- OOHW 228 Traffic Signals at Burwood North
- OOHW 227 Traffic Signal works at Five Dock
- OOHW 232 Ada Street Utility works
- OOHW 194 Traffic Control Systems at North Strathfield
- OOHW 182 Bus Stop works at Wellbank Street, North Strathfield
- Sydney Metro West, Central Tunnelling Package Construction Environmental Management Plan
- (CEMP Rev 06 dated 20 December 2022). The Minor update covered a new (temporary) ancillary facility in Ports land near the Bays site for pre-assembly of the spoil shed conveyor systems.
- Sydney Metro West, Central Tunnelling Package Waste Management Plan (SMWSTCTP-AFJ-1NL-WM-PLN-000001 Revision 01 dated 22 October 2021). The revision included addition of a table for estimated spoil quantities at each site.

2.5 Complaints

Based on weekly Sydney Metro Complaint Registers provided, there were 8 Complaints relating to AFJV activities reported during the month. Four of the complaints were from the Five Dock site and four from the Burwood site. The complaints at Five Dock related to: narrow gap in road for vehicle passing; survey marker installation on building; driveway access; and noise from the street sweeper. Complaints received at the Burwood site comprised: haulage routes (2), dirty shop front windows; and noise from OOHWs.

There were three complaints at SOP regarding: perceived lack of action taken regarding previous complaint relating to low impact (below NML) out of hours work; noise from work early morning work at Sydney Olympic Park station site; and noise from work occurring during standard construction hours

2.6 Compliance

2.6.1 Incidents

No incidents considered to represent Incidents as defined under the Project Approval were reported to or observed by the ER. The following incidents were reported to the ER under the SM Incident Reporting System:



• On 8 December a sediment/dewatering bag released a sediment load at the Temporary WTP area. AFJV reported that all spilled material remained on site and that environmental controls in the area were in place and functional.

2.6.2 Non-compliance and Potential Non Compliance

One Non-Compliance Report (NCR) was issued by AFJV during the reporting period for the late issue of the monitoring report required under the CPAS. This event was reflected in the November ER Report.

2.6.3 Audits

It is understood that the second Independent Environmental Audit (IEA) related to the CTP scope of works has been completed and provided to DPE.

2.7 Looking Forward – Core Focus Areas

- Dust generation at all sites given the drier conditions
- Dirt Tracking from Burwood North particularly, and at other sites
- Water Management and ERSED Management specifically at Burwood North, as well as generally at the other sites
- Noise and Vibration management at Five Dock
- Construction Parking around various sites

3 PHASE C - EXISTING RAIL CORRIDOR ENABLING WORKS

The Environmental representatives for Phase E of Sydney Metro West are:

- Jo Robertson
- Greg Byrnes

Phase E – Existing Rail Corridor Works (Brownfield Works) is being delivered by Transport for Tomorrow (TfT).

Transport for Tomorrow are not required to have an EPL for these works.

3.1 Key Construction Activities During the Period

Weekends 23 cancelled due to PIA action. New possession weekends required to be applied for (12 weeks out commonly) – have applied for all weekend through to WE38. Some low impact work ongoing (hand tools).

3.2 Key Construction Activities Look Ahead

Westmead:

Was originally planned for WE23 (3-4 December) now on hold.

- Removal of Poles and wires
- Road closures, bus relocations etc
- Removal of redundant GLT and GST
- Removal of poles 1W and 1W stay and span

North Strathfield:



Indicative sequence of future works requires three weekends of specific outages

Outage Weekend One – Date TBC – Requires outage on 33kV, 11kV, Fdr622

- 11kV Commissioning
- Removal of 11kV ABC from Pole 10B to Pole 13
- Installation of Pole 14A, 14S
- Drill Pole 71S and Backfill

Outage Weekend Two – Date TBC - Requires outage on 33kV, 11kV, Fdr622 & Ausgrid

- Pole 14A to Pole 14 Aerial Conductors
- Pole 14S Backstay connection to Pole 14
- 33kV Commissioning

Config 9 Possession – WE38 (18-19 March 2023) – Requires outage on 33kV, 11kV, Feeder 622 & 1500V plus Ausgrid. Need M4 and Parramatta Rd occupancy

- Pole 71S installation and Connection
- 33kV Aerial removals
- 33kV Pole Removals and Pole Modifications
- Feeder Removal from Cable Tunnel feeder outages TBC following inspection in tunnel

3.3 ER Inspections

No ER formal inspections were undertaken during December 2022 due to the low impact nature of the works. Surveillance continues conducted during AFJV (North Strathfield) and GLC (Westmead) inspections as these sites are adjacent to the TfT works.

3.3.1 Photos

No photos available as no formal inspection were undertaken.

3.4 Endorsed Documents

During the period the ER has been provided with:

• SMW Complaints Reports (Monthly) |Nov 2022, and daily complaint summaries

3.5 Complaints

It is understood that complaints for the Metro West Project including the Brownfields works are being forwarded weekly to DPE. Based on the complaints register provided to the ER no complaints were during the period related to the Brownfields Works being undertaken by TfT.

3.6 Compliance

3.6.1 Incidents

No incidents were reported as per A43 of the Conditions of Approval for SSI 10038 for works conducted under the project approval during the reporting period.



3.6.2 Non-compliance

No Non-Compliance Reports (NCRs) were issued by the Contractor during the reporting period. No events were observed by the ER that were determined to represent a non-compliance.

3.6.3 Audits

No audits were conducted during the reporting period. The ER conducted Interim Compliance Review reported in October was ongoing.

3.7 Looking Forward – Core Focus Areas

The TfT project team continues to be a highly responsive team who are dealing with works with impacts that for the most part would be typical of maintenance activities that are typically conducted under the Sydney Trains operational framework.

Key items moving forward continue to remain static and include:

- Works moving towards completion across ongoing possessions
- Managing the impacts of changes caused by the Industrial Action
- Implementation of the CEMP and other Construction documentation required under the SSI approval
- Ongoing cumulative interface with AFJV and GLC at North Strathfield and Westmead, respectively.
- Confirm all approvals are in place for works in an around Parramatta Road and the M4.

4 PHASE F – WESTERN TUNNELLING PACKAGE

The Environmental Representatives for Phase F of Sydney Metro West are:

- Greg Byrnes
- Swathi Gowda

Phase F – Western Tunnelling Package (WTP) is being delivered by Gamuda Australia Laing O'Rourke Consortium (GLC).

GLC are constructing this Phase of Sydney metro West under EPL 21676.

4.1 Key Construction Activities During the Period

Construction activities are continuing at multiple site across the WTP with the Diaphragm Wall be completed at Rosehill, piling commencing at Westmead and Diaphragm Wall plant mobilisation at Parramatta. The following activities were undertaken at the Westmead, Parramatta, Rosehill, Clyde Dive and Clyde MSF sites during December 2022:

Westmead

- Station box piling works commenced in December with approximately 30% being completed by the end of 2022
- The Parramatta to Westmead HV cable conduit installation is continuing outside approved construction hours under the EPL provisions
- The long term haul road that traverses the site from east to west was completed in December
- Spoil Stockpile management including storage, classification and removal from site.

Parramatta

- Archaeological investigations on the Church Street sides of the site
- Piling pad construction inside the station box footprint
- Sewer relocation from inside the station box to outside. This includes an underbore
- Spoil Stockpile management including storage, classification and removal from site
- Site set up planning has commenced for the Diaphragm Wall excavation
- Bentonite Plant delivery including 100 T crane.

Clyde Dive

- Heritage pedestrian bridge is planned to be relocated January 2023 due to lead paint
- Haul road and pedestrian access construction, this involves earthworks and concrete pavement
- Continuation of shaft excavation in the northern end of the site.
- Spoil management including movement around site, stockpiling, segregation and classification. Spoil is being transferred to the Clyde MSF by Moxy and crossing Unwin Street
- Acid Sulfate Soil storage and treatment areas
- Acoustic shed construction including steel frame erection.

Rosehill

- The Diaphragm wall construction including excavation and concrete pours was completed in December 2022.
- Bentonite Plant demobilisation and transfer to Parramatta
- Excavation of TBM launch box
- Spoil management including segregation, classification, and disposal. This includes the treatment of Acid Sulfate Soil
- Temporary Water Treatment Plant operation with discharge to Duck River
- Spoil Shed foundations and concrete platform works.

Clyde MSF

- Demolition of the Downer facility is continuing with all major above ground structures removed
- Water main and utilities trenching adjacent to the M4 and across Tennyson Street
- The sheet piling for the water conveyance structure is scheduled has commenced
- Removal of asbestos contaminated unsuitable material in Kay Street and replaced with suitable clean material in preparation for water conveyance structure piling
- Spoil management including segregation, classification and disposal.

4.2 Key Construction Activities Look Ahead

The key construction activities planned for January 2022 are similar to those listed in Section 4.1.

4.3 ER Inspections

Three ER inspections were conducted in December 2022 (07/12/2022, 14/12/2022 and 21/12/2022). A total of 19.8mm of rain fell during December 2022. Based on the observations during the inspections the sites held up well during rainfall. In total 12 actions were raised across the WTP in December. The key issues were Acid Sulphate Soil (ASS) management and construction workers parking on the street at Westmead.

The actions and key issues raised at the inspections were:

• **Rosehill** – The Rosehill site is being managed adequately, with spoil management especially ASS is continuing to be a focus area for GLC and the ER at the Rosehill site. Three actions were raised for ASS management during December

- **Clyde MSF** This site is currently in the demolition including the former Downer site. Chemical storage was a focus area for GLC and the ER during December. One action was raised for chemical storage and waste management, respectively.
- **Parramatta** The Westmead site is being managed well with the key activities being archaeology investigations and site preparation for the D-Wall construction. No actions were raised in December.
- Westmead The Westmead site is being managed well. One action was raised on construction vehicles parking on Bailey Street.
- **Clyde Dive Site** The key activities are earthworks and spoil management. Three actions were raised regarding Spoil Management (ASS Treatment).

4.3.1 Photos



Figure 4.1: Archaeology investigations at Parramatta



Figure 4.3: Piling for station box at Westmead



Figure 4.5: Long term Haul Road Clyde Dive



Figure 4.2: Bentonite platform and bund concrete pour



Figure 4.4: Long term Haul Road Westmead



Figure 4.6: Heritage Bridge still in place

Leaders in Environmental Consulting



Figure 4.7: Shaft excavation at Clyde Dive



Figure 4.9: Chemicals from Speedway demolition



Figure 4.11: Spoil shed concrete slab construction at Rosehill



Figure 4.8: Acoustic Shed construction at Clyde Dive



Figure 4.10: Bund under removed hydrocarbon silos at Downer Facility



Figure 4.12: TBM launch box excavation

4.4 Endorsed Document/s

No documents were endorsed by the ER during the reporting period.

Leaders in Environmental Consulting



4.5 Complaints

Five complaints related to the WTP were provided to the ER during December 2022.

- **Parramatta** Three complaints (2/12/2022, 8/12/2022 & 16/12/2022), two were related to general construction inconvenience to local business and one related to vibration. There does not seem to be any trends and GLC responded to adequately.
- Westmead The complaint (12/2/2022) was in regard to noise from the HV trenching works being conducted at night. Based on ER observations the GLC OOHW has been managed well and it is most likely the complaint is associated with the Aquatic Centre construction.
- **Clyde MSF** The complaint from the Clyde MSF site (8/12/2022) relates to Duck River and will be queried during the next ER inspection but is most likely not related to the WTP works.

4.6 Compliance

4.6.1 Incidents

No incidents were reported to the ER under the SM Incident Reporting System. No incidents considered to represent Incidents as defined under the Project Approval were reported to or observed by the ER.

4.6.2 Non-compliance

No Non-compliances occurred during the reporting period related to WTP works.

4.6.3 Audits

No audits were undertaken during the reporting period

4.7 Looking Forward – Core Focus Areas

GLC are managing their environmental risk and compliance adequately. During the ER site inspections good dust management and erosion and sediment control practices were observed, especially at the Westmead and Parramatta sites. The ER inspections and compliance monitoring focused on spoil management, chemical storage and noise and vibration mitigation and monitoring.

The core focus areas for the coming month are:

- Noise management, especially at Westmead and the Clyde Dive site
- Spoil management, especially the storage and stockpiling measures
- Acid Sulfate soil storage and treatment
- Clyde Dive ongoing noise management adjacent to the Rosehill Racecourse

5 PHASE G - EASTERN TUNNEL PACKAGE

The Sydney Metro West Eastern Tunnel Package is Stage 2 of the Sydney Metro West CSSI and is described as major civil construction works between The Bays and Sydney CBD, including station excavation at Pyrmont and Hunter Street and tunnel excavation between the Bays and Hunter Street. Stage 2 (SSI 19238057) was approved on the 24 August 2022.

The Environmental Representatives for the Sydney Metro West Eastern Tunnel Package are:

- Mike Woolley
- Greg Byrnes

• Jo Robertson

The Eastern Tunnelling Package (WTP) is being delivered by John Holland CPB Ghella Joint Venture (JCG) with the contract being awarded in November 2022.

JCG are in the process of applying for a project EPL.

5.1 Key Activities During the Period

The JCG is currently working through the pre-construction project approval process and Low Impact Works (LIW) applications. LIW is expected to commence in January 2023 with archival recording and Pre-Construction Surveys.

The ER team has received the following documents for review:

- Detailed Noise and Vibration Impact Statement
- Preliminary CEMP Rev 1
- Preliminary CEMP Rev 2
- Noise and Vibration Management Plan including Monitoring Program
- Soil and Water Management Plan including Surface and Ground water Monitoring Plans
- Air Quality Management Plan
- Waste Management Plan
- Heritage Management Plan
- Flora and Fauna Management Plan
- Visual Amenity Management Plan
- Spoil Management Plan
- Low Impact Works Application 01 Archival Recording (ER review only)
- Low Impact Works Application 02 Pre-Construction Condition Surveys (ER review only)

5.2 Key Construction Activities Look Ahead

Construction is scheduled to commence in April 2023

5.3 ER Inspections

No ER inspections were conducted in December 2022.

5.3.1 Photos

NA

5.4 Endorsed Document/s

The Phase G1 Phasing Report (Early Works) was endorsed by the ER and lodged with DPE in December 2022. The approach outlined in the Early Works Phasing Report were presented to DPE during December 2022.

5.5 Complaints

No complaints related to the ETP were provided to the ER during December 2022.

5.6 Compliance

5.6.1 Incidents

No incidents were reported to the ER under the SM Incident Reporting System.

5.6.2 Non-compliance

No Non-compliances occurred during the reporting period related to ETP works.



5.6.3 Audits

No audits were undertaken during the reporting period.

5.7 Looking Forward – Core Focus Areas

In January 2023, the ER Team will be focused on reviewing Environmental Management System documentation and ensuring they are fit for purpose and achieve compliance with the project approval requirements.

6 SYDNEY METRO RETAINED OBLIGATIONS AND OTHER ACTIVITY

The Environmental Representatives for the Sydney Metro Retained Obligations and other Activities are:

- Jo Robertson
- Greg Byrnes

The Sydney Metro Retained Obligations and other Activities is being delivered by Sydney Metro with various subcontractors delivering the works. These works do not require an EPL.

6.1 Key Construction Activities During the Period

The ER is not aware for other Sydney Metro managed construction activities during the period.

6.2 Key Construction Activities Look Ahead

The ER is not aware for other Sydney Metro managed construction activities during the period

6.3 ER Inspections

There were no ER inspections of this work during the reporting period.

6.3.1 Photos

None

6.4 Endorsed Document/s

No Sydney Metro documents were endorsed during the reporting period.

6.5 Complaints

No complaints have been reported to the ER in relation to the investigations previously conducted for Sydney Metro.

6.6 Compliance

6.6.1 Incidents

No incidents have been reported to the ER in relation to the investigations previously conducted for Sydney Metro.



6.6.2 Non-compliance

No non compliances have been reported to the ER in relation to the investigations previously conducted for Sydney Metro.

6.6.3 Audits

No audits were conducted during the reporting period.

6.7 Looking Forward – Core Focus Areas

A risk workshop is held monthly with the ERs and the Sydney Metro Environment team to discuss contractor performance, environmental risk and identify key focus areas for the upcoming month. This process is continuing.



7 STATEMENT OF LIMITATIONS

Healthy Buildings International (HBI) has prepared this report in accordance with the requirements of Condition A30(k) of the Sydney Metro West, Concept and Stage 1 SSI 10038 Approval (11 March 2021), and Condition A32(k) of the Sydney Metro West – The Bays to Sydney CBD SSI 19238057 Approval (24 August 2022).

The report is for the sole purposes of Department of Planning and Environment (DPE) 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.

Where the Report indicates that information has been provided to HBI by third parties, HBI assumes no liability for any inaccuracies in or omissions to that information.

This Report was prepared based on the conditions encountered and information reviewed at this time. HBI disclaims responsibility for any changes that may have occurred after this time.

This Report should be read in full. No responsibility is accepted for use of any part of this report in any other context or for any other purpose or by third parties. This Report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

Except as required by law, no third party may use or rely on this Report unless otherwise agreed by HBI in writing. Except as specifically stated in this section, HBI does not authorise the use or findings of this Report by any third party

To the extent permitted by law, HBI expressly disclaims and excludes liability for any loss, damage, cost or expenses suffered by any third party relating to or resulting from the use of, or reliance on, any information contained in this Report. HBI does not admit that any action, liability or claim may exist or be available to any third party.