

7 September 2023

Ref: 201209-ER\_DPIE-August 2023

[REDACTED]  
[REDACTED]  
Department of Planning Industry and Environment  
Locked Bag 5022  
PARRAMATTA NSW 2124

Dear [REDACTED]

**RE: Sydney Metro - Sydney Metro Western Sydney Airport SSI 10051 – ER Monthly Report for August 2023**

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

- Condition A32 (k) of the Sydney Metro Western Sydney Airport, SSI 10051 Approval (23 July 2021)

The attached summary details the key activities undertaken by Environmental Representatives for Sydney Metro Western Sydney Airport for the month of August 2023.

Yours sincerely

[REDACTED]  
Environmental Representative

Cc:

Sydney Metro: [REDACTED]

[REDACTED]  
DPIE: Major Projects Portal

Enclosed: Nil



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## 1. Advanced and Enabling Works (AEW)

Contract Package	Environmental Representative/s
Advanced and Enabling Works (AEW)	[REDACTED]
<b>Key Construction Activities During the Period</b>	
<ul style="list-style-type: none"> <li>▪ <b>SSTOM Project Office (SPO):</b> <ul style="list-style-type: none"> <li>○ Façade installation is complete</li> <li>○ Roofing installation on level 4 is complete</li> <li>○ Flooring on the roof is progressing</li> <li>○ Electrical services installed on level 4</li> <li>○ Painting is progressing on level 4</li> <li>○ Solar panels have been installed on the roof</li> <li>○ Sewer connection is complete</li> <li>○ Tower crane has been dismantled</li> </ul> </li> <li>▪ <b>St Marys Footbridge:</b> <ul style="list-style-type: none"> <li>○ Initial geotechnical investigations have occurred</li> <li>○ Piling works have commenced</li> <li>○ Sections of roofing on platform ½ have been removed</li> <li>○ Compound establishment</li> </ul> </li> <li>▪ <b>Water:</b> <ul style="list-style-type: none"> <li>○ Compound setup at the Gipps St site and is functional</li> <li>○ Works have commenced with underboring across Mamre Rd</li> <li>○ Trenching works on Old Luddenham Rd are complete</li> </ul> </li> </ul>	
<b>Key Construction Activities Look Ahead</b>	
<p>The Construction activities planned for the upcoming period for the Advanced Enabling Works (AEW) comprise of:</p> <ul style="list-style-type: none"> <li>▪ <b>SSTOM Project Office (SPO):</b> <ul style="list-style-type: none"> <li>○ Completion of internal fit out eg carpet, kitchen facilities etc</li> <li>○ Installation and commissioning of the lift</li> </ul> </li> <li>▪ <b>St Marys Footbridge:</b> <ul style="list-style-type: none"> <li>○ Continuation of piling works</li> <li>○ Establishment of a site compound</li> </ul> </li> <li>▪ <b>Water:</b> <ul style="list-style-type: none"> <li>○ Continue trenching adjacent to Mamre Rd</li> <li>○ Sorting and recycling or disposal of spoil</li> <li>○ Commence trenching on Solander Drive</li> </ul> </li> </ul>	
<b>ER Inspections</b>	
<p>There were three (3) ER inspections of the SPO, one (1) inspection of the St Marys Station Footbridge, and three (3) inspections of the AEW Water contract undertaken by [REDACTED] in August 2023 (ER inspections are on a fortnightly cycle weather and health permitting).</p>	
<p><b>SSTOM Project Office (SPO)</b></p> <ul style="list-style-type: none"> <li>▪ <b>01/08/2023</b> – Key points/ issues raised during this inspection were as follows:</li> </ul>	

- The majority of the works is now inside the SPO, minimising the environmental risk of materials leaving the site.
- Internal fit out is progressing with acoustic panels, kitchen facilities and flooring being installed.
- **15/08/2023** - Key points/ issues raised during this inspection were as follows:
  - Works have progressed on the sewer connection and this has been done in a method that poses minimal environmental risk
  - Internal fit out is progressing with work stations, kitchen facilities and other amenities installed.
  - The tower crane is no longer in use and will be dismantled once approval has been given.
- **22/08/2023** - Key points/ issues raised during this inspection were as follows:
  - Most external works are now complete which poses a low residual environmental risk
  - Additional skip bins have been provided to site which allows for additional waste generation during finishing works
  - The tower crane has been removed from site

**St Marys Footbridge**

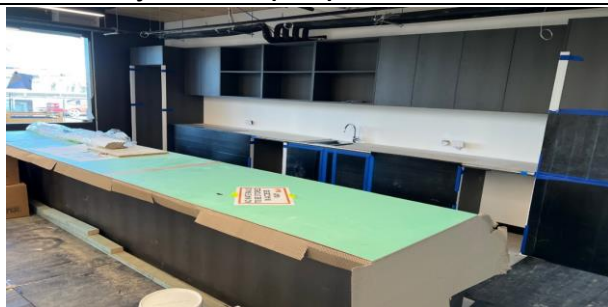
- **15/08/2023** - Key points/ issues raised during this inspection were as follows:
  - Minimal works has been undertaken to date, however, works that have occurred have been managed well by LoR
  - The St Marys station stairs landing defect works should be captured in the upcoming OOHW
  - LoR to determine whether existing shrubs and grasses need to be removed for the project works

**AEW Water**

- **01/08/2023** - Key points/ issues raised during this inspection were as follows:
  - The site compound is in use and so far the environmental risk is being well managed.
  - The Sydney Metro entrance signage is required at the main gate to the compound.
  - The crossing over the water channel at Mamre Rd is to be installed as per the requirements of the Blue Book
- **15/08/2023** - Key points/ issues raised during this inspection were as follows:
  - The site has held up well during the recent wet weather period
  - The small pile of asphalt in the ENM bay needs to be removed to prevent mixing with ENM
  - The controls from the compound have prevented mud tracking, however, are required to be inspected and maintained as required
- **22/08/2023** - Key points/ issues raised during this inspection were as follows:
  - The material storage bays at the site compound are neat and tidy with no signs of cross contamination
  - The project is using bulka bags as mobile waste storage, this is a good secondary application of these products.
  - Fly tipping that has occurred on Old Luddenham Rd prior to the AEW Water works commencing should be reported to council

**Photos**

**SSTOM Project Office (SPO)**



**SPO - The internal fit out kitchen facilities installed**

**SPO - The solar panels have been installed on the roof**





**SPO - Internal fit out has progressed and installation of work spaces is nearing completion**



**SPO - Works on the top floor continue with this foam flooring layer being installed**



**SPO - The tower crane has been dismantled from site**



**SPO - The sewer backfill is progressing, posing a minimal environmental risk**

### St Marys Footbridge



**FSM - The landing on the station stairs has cracks and needs to be scabbled in the upcoming OOHW**



**FSM - The trees adjacent to the compound are due to be removed prior to crange works**

### AEW Water



**Site compound - The bays in the site compound were neat and tidy with no evidence of cross contamination**



**Site compound - The ballast, hose and rumble grid have mitigated mud tracking from the compound**





**Mamre Rd - The first bore underneath Mamre Rd is complete and was in the process of being backfilled**



**Old Luddenham Rd - Pipe has been joined and ready to be installed in the ground, but delayed by recent rain**



**Old Luddenham Rd - Bulka bags are being reused as mobile bins across alignment. Good practice.**



**Old Luddenham Rd – Pipe trench at Old Luddenham Rd backfilled and topped with original topsoil.**

**Endorsed Document/s**

The following documents were endorsed/approved by the ER [REDACTED]

- None for the period

The following documents were provided for information or reviewed with comments provided to Sydney Metro.

- Out of Hours Application Form – Footbridge St Marys – Early Site Works Weekend 10, 2-4 September 2023 (rev 01)
- Out of Hours Application Form – AEW Water – Corner of Mamre Rd and Solander Dr Works (rev 01)
- Out of Hours Application Form – SPO – Out of hours general works, August 2023 (rev 01)
- Out of Hours Application Form – SPO – Out of hours general works, September 2023 (rev 01)
- Arboricultural Impact Assessment – FSM - St Marys Station Upgrade, St Marys NSW 2760 (Version d1), July 2023

**Complaints / Incidents / Non-compliance**

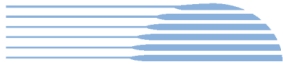
No non-compliances or incidents were reported to or identified by the ER for the period.

No complaints were received during the period.

**Audits (specific to packages reported in this report)**

- Independent Environmental Audit 4 concluded 10 August 2023.

**Looking Forward – Core Focus Areas**



Compliance with the OOHW applications across all three AEW contracts and awareness of E57 requirements

**ER Closing Comments:**

The SSTOM Project Office (SPO) is due to be completed, apart from the lift, at the end of September. Risks around demobilisation have been well managed to date. The AEW water contractor is progressing ahead of schedule and is looking to complete works in November. Rehabilitation and site demobilisation works are currently being managed well. The St Marys footbridge is still in the early phases of works, and is due to increase its site presence during September with site establishment.

## 2. Station Boxes and Tunnelling (SBT)

Contract Package	Environmental Representative/s
Station Boxes and Tunnelling (SBT)	[REDACTED]
Key Construction Activities During the Period	
<ul style="list-style-type: none"> <li>▪ St Marys: <ul style="list-style-type: none"> <li>○ Stubb tunnel lining in the east</li> <li>○ Station box excavation in the west and station box invert blinding in the east</li> <li>○ Station box excavation, anchor installation, and shotcrete within station box excavation from east to western areas.</li> <li>○ Station box spoil haulage to laydown area (haulage vehicle loaded directly on asphalt).</li> <li>○ Anchor stressing and grouting completed.</li> <li>○ Main (Station Plaza) Laydown spoil storage bay operational with ERSED controls upgraded further to collect water for treatment by the water treatment plant.</li> <li>○ Offsite Haulage of station box excavation spoil.</li> <li>○ Stub tunnel air extraction and scrubber unit operation completed.</li> <li>○ Water treatment plant in operation.</li> </ul> </li>   <li>▪ Claremont Meadows Services Facility: <ul style="list-style-type: none"> <li>○ Water treatment plant operating.</li> <li>○ Sediment basins operational.</li> <li>○ Shaft excavation, and material stockpiling and haulage.</li> <li>○ Shaft anchor installation.</li> </ul> </li>   <li>▪ Orchard Hills: <ul style="list-style-type: none"> <li>○ Spoil and topsoil storage.</li> <li>○ Reconfiguration, operation and maintenance of ERSED controls.</li> <li>○ Pre-cast tunnel segment storage in the north.</li> <li>○ Assembly of the TBM trains in the box.</li> <li>○ TBMs launched and commenced tunnelling progressing 120 m and 60 m respectively</li> <li>○ Processing and storage of tunnel spoil.</li> <li>○ Station box excavation, soil nail installation and shotcreting completed.</li> <li>○ SW corner of site at Kent and Lansdowne Roads and areas north of Lansdowne Rd to centre of site stabilised ready for handover to SSTOM.</li> <li>○ Areas south of Lansdowne Rd stabilised ready for handover to SSTOM</li> <li>○ Dive and station box construction, including base slab, 75% complete.</li> <li>○ Water treatment plant operation</li> </ul> </li>   <li>▪ Aerotropolis: <ul style="list-style-type: none"> <li>○ Excavation of station box.</li> <li>○ Shotcreting and soil nail installation on station box excavation walls.</li> <li>○ Stub tunnel excavation using road-header completed and lining underway.</li> <li>○ Stockpiling and haulage offsite of station box excavation spoil material.</li> <li>○ Water Treatment plant construction completion and commissioning.</li> <li>○ Remediation and disposal of additional ACM impacted areas along eastern boundary completed.</li> <li>○ Filling of central eastern area to achieve final grades completed.</li> </ul> </li> </ul>	





- Completion of perimeter clean and dirty water drainage swales.
- Bringelly Services Facility:
  - Excavation of shaft material near completion.
  - Spoil stockpiling and haulage to M12.
  - Water treatment plant Operation – Water treated and disposed at Claremont Meadows as trade waste due to salinity.
  - Storage of top soil and ACM in western stockpile area.

▪ **Key Construction Activities Look Ahead**

- St Marys:
  - Complete stub tunnels lining.
  - Water treatment plant operation.
  - Complete station box invert blinding in the east.
  - Complete station box bulk excavation and shotcreting centre to west.
  - Complete soil nail/anchor installation in station box excavation.
  - Handover of eastern station areas to SSTOM
- Claremont Meadows Services Facility:
  - Continue erosion and sediment controls operation and maintenance.
  - Continue Water Treatment Plant operation and maintenance.
  - Complete bulk excavation of shaft.
  - Asphalt and bitumen improvements on local access road.
  - Shaft anchor installation ongoing.
- Orchard Hills:
  - Spoil and topsoil storage.
  - Reconfiguration, operation and Maintenance of ERSED controls.
  - Pre-cast tunnel segment storage in the north.
  - TBM tunnelling and tunnel spoil storage and haulage.
  - Water treatment plant operation.
  - Grout plant operation.
- Aerotropolis:
  - Complete final ERSED controls stabilisation and trimming.
  - Complete stub tunnels lining.
  - Excavation of station box.
  - Water Treatment plant operation.
  - Complete filling of central eastern area to achieve final grade and stabilise areas south of station box.
  - Shotcreting of station box excavation walls and anchor installation.
  - Stockpiling and removal offsite of station box excavation spoil material.
- Bringelly Services Facility:
  - Continue Erosion sediment controls operation and maintenance.
  - Operation of WTP.
  - Complete bulk excavation of shaft.
  - Assess fate of potential ACM stored in western areas.



## ER Inspections

There were two (2) ER Inspections conducted by [REDACTED] on 17/08/23 and 31/08/23 by [REDACTED]. ER inspections are on a fortnightly cycle weather and health permitting.

**17/08/2023** - Key points/ issues raised during this inspection were as follows:

- St Marys – Pothole developing on western side of intersection of new Blair Av. and Philip St needs to be repaired.
- St Marys Main (Station Plaza) Laydown area north at Station St east of Gidley St - CPBG reportedly installing a spoil bin in the lowest point of laydown adjacent to 2 live stormwater pits. The current ESCP has no provisions for a spoil bin in this area and protective barriers previously protecting stormwater pits from dirty stormwater sheet flow from upgradient concrete areas have been removed. CPBG to update ESCP including providing sufficient constructed diversion berms upgradient of all live pits in the area, and adequate retention volume and a sump and pump arrangement at the lowest point in the area, in line with what has been done in the southern (Philip and Gidley St) side of the laydown area. ESCP is to be Reviewed by the Soil Conservationist in line with Section 9.2 of the SWMP.
- Orchard Hills – Supernatant from tunnel soil sludge pile overflowing concrete bin walls and spilling under shed walls onto eastern haul road adjacent. CPBG to configure road barriers and provide internal berm at toe to direct waters to the spoil shed concrete apron and associated sump and pump arrangement. To reduce volumes directed to sump and pump CPBG should also consider measures to segregate clean shed roof rainwater from spoil and spill-over sludge.
- Orchard Hills – Spoil shed sump and pump retention capacity is limited, with nib wall required in south-western corner to provide adequate retention volume.
- Orchard Hills – As noted by the ER previously, a ESCP is to be either prepared or reviewed by SEEC - whichever is most convenient to CPBG to implement the commitments in Section 7.6 (paragraph 1) and Section 9.2 of the SWMP, and ensure Compliance with Condition C10 is not jeopardized.
- Orchard Hills eastern haul road - Significant sediment accumulations observed along silt fence to ephemeral drainage body to the east, and other sediment controls (berm and coir logs) noted in CPESC audit now in disrepair and requiring reinstatement. CPBG to refresh road and maintain sediment controls, to mitigate risk of discharge into ephemeral natural drainage body adjacent.
- Aerotropolis - Clean water swale batter protection required at basin spillway discharge and at swale outlet point.

**31/08/2023** - Key points/ issues raised during this inspection were as follows:

- General - substantive improvements were noted in environmental management across the project.
- St Marys – Significant effort noted to minimize height of soil stockpile and tracking to public roads, including two manual pressure washers after wheel wash and two road sweepers operating in concert with a water cart.
- Orchard Hills – General housekeeping and waste management practices require improvement as the SBT footprint shrinks and tunnelling operations ramp-up. In particular, storage of chemicals in IBCs requires dedicated areas/bunding, and tunnelling wastes in IBCs requires adequate labelling segregation and management accordingly.
- Orchard Hills - CPBG to empty southwestern rumble grid.
- Orchard Hills – As the SBT footprint shrinks shallow swales to SB8 in the north east require protection from plant and equipment encroachment.
- Orchard Hills – One spoil haulage truck was noted with missing project signage consistent with Condition A46. CPBG to review and refresh current HV onboarding and management processes.
- Orchard Hills – Noted that southwestern swale western wall requires polymer re-application.



- Aerotropolis - Eastern dirty water swale, eastern embankment top and batter, and southern areas and berm require polymer (soil binder) application once dry.
- Aerotropolis - ESCP currently in preparation to consider the proposed spoil haul road along the southern clean water swale to the proposed western stockpile location, and the stockpile itself.
- Aerotropolis - Installation of eastern silt fence requires improvements (keying-in, and tension to prevent collapse).
- Bringelly – Northern swale requires desilting and trimming of sides and sediment fence requires repairs.
- Bringelly – Disused lead acid batteries require dedicated bunded storage.
- Bringelly – The concrete washout containment was noted overtopping with cured surplus concrete. CPBG to provide separate contained areas for curing surplus concrete and concrete washout respectively.

**Photos**



**Orchard Hills view north from station box:  
Automated wheel-wash being installed**



**View to Lansdowne Rd.– Areas north of road  
stabilised and ready for handover to SSTOM.**



**Orchard hills: storage of wastes in IBCs requires  
adequate labelling and segregation/management.**



**Orchard Hills - View south of concreted eastern  
haul road with jersey barriers and concrete berm.**



**St Marys: view east of station box excavation.  
Note mist from water misting cannons**



**St Marys: view west of station box excavation.  
Note mist from water misting cannons**





**View south east along Gidley St.: Height of spoil stockpiles reduce below hoarding.**



**St Marys: Manual wheel washing following automated wheel wash.**



**St Marys Station St to Phillip St - Two Street sweepers and a water cart working in concert.**



**Bringelly: Concrete washout overtopping with cured surplus concrete**



**Bringelly: Northern swale requires desilting and trimming and sediment fence requires repairs.**



**Aerotropolis: Eastern dirty water swale, top and batter of embankment require stabilisation.**



**Aerotropolis view north: eastern boundary silt fence requires keying-in, and tensioning.**



**Aerotropolis view south west: Southern areas and berm require polymer application once dry..**





<p><b>Claremont Meadows: Shaft Excavation within 2 m of completion.</b></p>	<p><b>Claremont Meadows: View south east from north west corner with spoil bin in foreground</b></p>
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**Endorsed Document/s**

No documents were endorsed by the ER.

The following documents were provided for information or review:

- July Monthly Monitoring Reports comprising Dust (real-time), Noise and Surface Water.
- CPESC audit dated 4 August 2023
- Sustainable Design Report
- Water Balance Study
- Claremont Meadows DNVIS
- Aerotropolis DNVIS
- St Marys DNVIS
- Orchard Hills DNVIS
- St Marys Section B site Audit Statement and RAP
- St Marys Long term Environmental Management Plan
- Aerotropolis Section B site Audit Statement and RAP
- Orchard Hills Section A Site Audit Statement

**Complaints / Incidents / Non-compliance**

No Non-compliances with the Approval were identified by or reported to the ER this period.

There was one incident of note identified by or reported to the ER this period:

- 4/8/2023– Orchard Hills – Due to inadequate design capability of a clarifying tank in the tunnel water treatment process, an overflow of the system occurred that resulted in around 9.5 kL of tunnel process water entering a drain that discharges to the natural drainage system onsite. The spill was contained in the pipes and natural drainage channel onsite.

Six (6) complaints were reported to the ER:

- 3/8/2023– Orchard Hills - Complaint regarding Dam flooding in neighbours backyard who have changed gradient of the land. Stakeholder was reportedly informed by project about natural drainage through her property and project committed to advise the resident when the project intends to release large volumes of project water moving forward that may increase the flow passing through her property.
- 4/8/2023– St Marys – Complaint regarding after dust in east of site. Stakeholder was reportedly informed Stakeholder was reportedly informed by project of mitigation measures in place and project operational procedures to respond to issues. Showed operations of misting canons and wheel washes onsite to prevent dust. Discussed resident suggestion of hoses in the box, and showed misting canon operation in preventing dust escaping site.



- 14/8/2023– St Marys (Philip St) stakeholder complaint about dust at Phillip St. Stakeholder was reportedly informed all reasonable mitigation measures are being appropriately implemented, including multiple mister cannons in the station box, equipment fitted with dust suppression, cleaning and watering of internal haul roads, sprinklers on stockpiles, washing of plant and equipment and visual monitoring onsite to confirm the effectiveness of controls. In addition there are two road sweepers in operation daily; Project team committed to increase the frequency of the road sweeper on the eastern end of site. (Note: the works being undertaken on the eastern end of site does not have the potential to generate a lot of dust as are no longer excavating).
- 25/08/2023 – St Marys – Complaint regarding traffic haulage worker behaviour on route to Nepean business park. Stakeholder was reportedly informed of internal process to action with haulage contractors (not breaching the approved route plan as he is unloaded and returning to the yard). Reviewed data from Virtual Super and observed one of the drivers using Leland Street. Bakers have issued an NCR to the driver and have rolled out a global toolbox to remind drivers to adhere to speed limits.
- 26/8/2023– St Marys – Complaint regarding after hours noise. Project reportedly has attempted various calls to stakeholder that have not been answered, to establish the exact nature of the complaint.
- 28/8/2023– St Marys – Complaint regarding workers parking in Chesham Street and worker behaviour. Stakeholder was reportedly informed senior personnel from the St Marys site team have been monitoring Chesham Street between the hours of 5.45 and 8.30am with no parking observed since feedback was provided. Traffic control has been organised from Monday 4 September to enforce during prestart times requirements have been reiterated to all workers.

**Audits (specific to packages reported in this report)**

- Independent Environmental Audit 4 responses to RFI.

**Looking Forward – Core Focus Areas**

Planning and implementation and maintenance of environmental controls during ongoing period of works acceleration to meet handover milestones. Adequate stabilisation of sites for handover and any caretaker periods by Sydney Metro

**ER Closing Comments:**

The project is going through a period of works acceleration, to meet handover milestones to follow on packages/contractors. Despite the increased intensity of works substantive improvements were noted in environmental management across the project as the lower number of complaints testifies. The contractor has been receptive to requests for improvements to planning of controls and greater surveillance during this period to address increased risk associated with dust and water management.



### 3. Surface and Civil Alignment Works (SCAW)

Contract Package	Environmental Representative/s
Surface and Civil Alignment Works (SCAW)	[REDACTED]
<b>Key Construction Activities During the Period</b>	
<ul style="list-style-type: none"> <li>▪ Patons Lane:               <ul style="list-style-type: none"> <li>○ An additional compound area is complete for the SCAW operations once SSTOM takes possession of the site.</li> <li>○ Wheel wash facilities are installed with chipseal</li> <li>○ Stormwater drainage works have commenced between Patons Lane and Blaxland’s Creek</li> </ul> </li>   <li>▪ Stabling and Maintenance Facility (SMF) Orchard Hills:               <ul style="list-style-type: none"> <li>○ The SMF works are complete and this area has been handed over to SSTOM.</li> <li>○ Stockpiling of vegetation is occurring for use during SSTOM works</li> <li>○ Piling has commenced at Blaxland’s Creek</li> <li>○ Sandstone placement has commenced north of Blaxland’s Creek</li> <li>○ Water diversion has been installed at the tributary north of Blaxland’s Creek</li> </ul> </li>   <li>▪ Defence Land               <ul style="list-style-type: none"> <li>○ Unnamed creek crossing is complete</li> <li>○ Sandstone is being placed between Patons Lane and the Warragamba Pipeline</li> <li>○ Final tree clearing is complete</li> </ul> </li>   <li>▪ Luddenham Station:               <ul style="list-style-type: none"> <li>○ Ongoing placement of viaduct segments</li> <li>○ Construction of Luddenham Rd roundabout continues</li> <li>○ Structural station works continue.</li> </ul> </li>   <li>▪ Luddenham Road South:               <ul style="list-style-type: none"> <li>○ Works for the establishment of minor ancillary facility.</li> <li>○ Piling is complete</li> <li>○ Ongoing structural works.</li> <li>○ Sediment basin constructed adjacent to Cosgrove’s Creek</li> </ul> </li>   <li>▪ M12 to Cosgrove’s Creek:               <ul style="list-style-type: none"> <li>○ Parapets have been installed on the M12 bridge.</li> <li>○ Sandstone is being used to build the formation.</li> <li>○ Piling is completed at Cosgrove’s Creek</li> <li>○ Cosgrove’s creek clearing and haul road crossing ongoing</li> </ul> </li>   <li>▪ Elizabeth Drive:               <ul style="list-style-type: none"> <li>○ Dam dewatering has occurred.</li> <li>○ OOHW sandstone delivery has continues</li> <li>○ Weed suppression is complete</li> </ul> </li> </ul>	



### Key Construction Activities Look Ahead

- Patons Lane:
  - The SSTOM contractor will take possession of the compound.
  - Stormwater works will continue
  - Environmental controls will be maintained during handover to SSTOM.
- Stabling and Maintenance Facility (SMF) Orchard Hills:
  - Sections will be handed over to SSTOM
  - Blaxland Creek crossings will be utilised for works north of the creek.
  - Stormwater works will continue
  - Piling works will continue
- Defence Land
  - Earthworks to continue
  - Sandstone filling and compaction will continue
  - Piling pads to be constructed
- Luddenham Station:
  - Sections of the site will be handed over to SSTOM
  - Precast elements for the viaduct will continue to be installed
  - Construction of the roundabout on Luddenham Rd will continue.
- Luddenham Road South:
  - Sediment basins to be finalised
  - Asbestos stockpiles to be removed.
  - Structures will continue
- M12 to Cosgroves Creek:
  - Structures activities to commence.
  - Sandstone will be placed on the formation
  - Construction of the 30ML basin continues which will ultimately be a flood mitigation basin.
- Elizabeth Drive:
  - Ongoing stabilisation activities.

### ER Inspections

There were two (2) ER Inspections in August 2023 (ER inspections are on a fortnightly cycle weather and health permitting).

- **10/08/2023** (by [REDACTED]) - Key points/ issues raised during this inspection were as follows:
  - The site is well managed this was evident during the windy conditions where dust levels from the works were not excessive
  - At the Luddenham roundabout a small stockpile requires down stream controls if it is to stay there for more than 10 days



- The wheel wash at the defence entry / exit point requires a traffic arrangement to ensure all vehicles exiting are directed through this wheel wash
  - A stockpile north of the Warragamba pipelines is high and needs to be compacted to reduce ERSED risk.
  - At Patons Lane a wheel wash has been installed at the entry / exit point. Chip seal needs to be placed on the exit side of the wheel wash
  - Drainage line formation is appropriate at Blaxlands Creek. This is a works in progress and requires ERSED surface treatment to reduce scour risk
  - The sediment basin to the south of Blaxlands Creek has been constructed, it is recommended that a fore bay be installed to capture heavy sediment load and reduce stress on the existing basin function
  - One agi driver was observed washing out a segment of the chute adjacent to Blaxlands Creek and not in the designated washout area. CPBUI to raise an incident report and rectify this behaviour
- **24/08/2023** (by [REDACTED]) - Key points/ issues raised during this inspection were as follows:
- The project is progressing well and an emphasis has been placed on installing all wheel washes with chipseal, this has dramatically improved road cleanliness.
  - Rehabilitation works using biodegradable materials such as jute mesh is a preferred method and has resulted in Fast revegetation.
  - Minor amounts of litter were observed around the Luddenham roundabout site, this needs to be cleaned up and a bin provided at this location.
  - At the Defence site Three trees (saplings and habitat tree) need to be flagged off to prevent accidental damage.
  - At Cosgrove’s Creek stockpiled material of differing composition should be removed from the flood basin.
  - The pump around at the unnamed tributary is being installed and will pump SBT discharge around the culvert works.
  - Unexpected landfill material has been found north of Blaxlands Creek. Sydney Metro and CPBUI are in discussions regarding how to handle and dispose of this material.

**Photos**



**Patons Lane - The wheel wash and chipseal at Patons lane has been installed**



**Blaxland’s Creek - Controls have been established to reduce the risk of water pollution during concreting works**





**Blaxland's Creek - Unexpected landfill material has been found north of Blaxland's Creek.**



**Unnamed tributary - The pump around installed at the unnamed tributary to divert SBT discharge from culvert**



**Defence Land - Sandstone import continues on the Defence site**



**Defence Land - Habitat trees have been retained and flagged off**



**Luddenham Station - Segments of the viaduct continue to be lifted into place following an exact sequence**



**Luddenham Station - The viaduct segments are stored in an exact sequence ready for lifting into place**



**Cosgrove's Creek - Structures works have crossed south of Cosgrove's Creek**



**Cosgrove's Creek - Fencing works is ongoing south of Cosgrove's Creek**

<b>Endorsed Document/s</b>
<p>The following documents were endorsed by the ER:</p> <ul style="list-style-type: none"> <li>▪ Nil this period</li> </ul> <p>The following documents were provided for information or reviewed:</p> <ul style="list-style-type: none"> <li>▪ Six Monthly Construction Monitoring Report, October 2022 – April 2023 (rev C)</li> <li>▪ Detailed Noise and Vibration Impact Statement 5. Material Delivery and Placement – Elizabeth Drive to Cosgroves Creek and Defence Establishment Orchard Hills &amp; Elizabeth Drive Haul Road Drainage Crossing (rev B)</li> <li>▪ Detailed Noise and Vibration Impact Statement 6. Lansdowne Road / Samuel Marsden Earthworks &amp; Structure Works (rev A)</li> </ul>
<b>Complaints / Incidents / Non-compliance</b>
<p>One (1) non-compliance was reported to or identified by the ER for the period:</p> <ul style="list-style-type: none"> <li>▪ 16/08/23 – Non-compliance against C22 relating to the provision of Construction Monitoring Reports required by the Construction Monitoring Programs to the Planning Secretary, ER and relevant regulatory agencies within timeframes nominated within the Monitoring Programs. The SM-WSA SCAW 6 Monthly Monitoring Report October 2022 to April 2023 was issued to Sydney Metro on 6 June 2023, outside the 30-day window. The SCAW Surface Water Monitoring Program commits to the provision of a Monitoring Report within 30 days of the reporting period in Section 5.5 Submission within the 30-day window was not achieved by CPBUI for the reporting period. The non-compliance report was submitted to DPE on 24/08/23.</li> </ul> <p>One (1) incident of note was reported to the ER during the period:</p> <ul style="list-style-type: none"> <li>▪ 10/08/23 - During the fortnightly Environment/ER inspection, a concrete agi operator was witnessed washing off a section of a concrete chute directly onto the ground within the bunded piling pad area adjacent to Blaxland Creek. Approximately 20L of concrete contaminated water was washed onto the ground, however it was wholly contained within the bunded area and did not leave site. A concrete washout was available nearby but was not utilised by the agi operator. The agi operator had stopped washing out and was directed by the Piling Engineer to drive to the concrete washout bay for any further washout activity. The washout material was removed from the piling pad area and placed within a nearby skip bin for offsite disposal.</li> </ul> <p>No complaints were reported to the ER during the period</p>
<b>Audits (specific to packages reported in this report)</b>
<ul style="list-style-type: none"> <li>▪ Independent Environmental Audit 4 concluded 10 August 2023</li> </ul>
<b>Looking Forward – Core Focus Areas</b>
<p>Continued incorporation of senior management in ER issues and commitment to close actions within agreed timeframes.</p> <p><b>ER Closing Comments:</b> The SCAW project has increased its effort in closing actions raised in the ER's inspection reports. The ER has adopted an approach of including senior management from Sydney Metro and CPBUI in the focus issues prior to and after the inspections. This has resulted in faster resolution of issues. Wheel washes and chipseal exits are now in place for all sites that have significant areas of exposed earth, this has resulted in cleaner public roads from the exit points. The six monthly monitoring report has been finalised and submitted. To prevent a recurrence of the delayed submission it has been agreed with the contractor that the monitoring programs will be updated to include consistent submission timeframes.</p>

#### 4. Stations, Systems, Trains, Operations and Maintenance Package (SSTOM)

Contract Package	Environmental Representative/s
Stations, Systems, Trains, Operations and Maintenance Package (SSTOM)	[REDACTED]
<b>Key Construction Activities During the Period</b>	
<ul style="list-style-type: none"> <li>▪ The project plans and monitoring programs were approved by DPE, with the exception of the Groundwater Monitoring Program which was approved by the ER in July.</li> <li>▪ Construction commencement notification was issued, with site establishment works to commence in September after PC handover with other contractors.</li> </ul>	
<b>Key Construction Activities Look Ahead</b>	
Site establishment to commence post PC handover. The first site is expected to be the SMF.	
<b>ER Inspections</b>	
There were no ER Inspections in August 2023. ER inspections are expected to commence in September when site establishment commences.	
<b>Photos</b>	
Not applicable as no inspections to date.	
<b>Endorsed Document/s</b>	
<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>	
<b>Complaints / Incidents / Non-compliance</b>	
<p>No non-compliances were identified by or reported to the ER during this period. There were no incidents of note identified by or reported to the ER during this period.</p> <p>No complaints were reported to the ER during the period.</p>	
<b>Audits (specific to packages reported in this report)</b>	
No audits were undertaken during the period.	
<b>Looking Forward – Core Focus Areas</b>	
<p>Site establishment and ER inspections to commence. The focus will be on the implementation of the CEMP and sub-plans.</p> <p><b>ER Closing Comments:</b> The project team has formed a healthy team dynamic. Detailed design is continuing. Stabilised handover of the sites from SCAW and SBT will be important over the coming months and handover planning is well underway.</p>	



## 5. Statement of Limitations

Healthy Buildings International (HBI) has prepared this report in accordance with the requirements of Condition A32 (k) of the Sydney Metro Western Sydney Airport, Concept and Stage 1 SSI 10051 Approval (23 July 2021). 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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