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7 August 2025
Ref:201209-ER_DPHI-July 2025

Dear [REDACTED]

RE: Sydney Metro - Sydney Metro Western Sydney Airport SSI 10051 – ER Monthly Report for July 2025

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, and as modified 14 April 2022)

The attached summary details the key activities undertaken by Environmental Representatives for Sydney Metro Western Sydney Airport for July 2025.

Yours sincerely

[REDACTED]
Environmental Representative

Cc:
Sydney Metro: [REDACTED]
DPHI: 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)	██████ (AG)
EPL: None	
Key Construction Activities During the Period	
<ul style="list-style-type: none"> ▪ St Marys Footbridge (FSM): <ul style="list-style-type: none"> ○ Deflection wall construction has had hoarding stripped and tie bars are due to be installed ○ Deck pours over the rail lines have been completed ○ Waterproofing of structures on the platforms continues ○ Laydown Area 1 was tidied up and controls reinstated ○ The area behind the Harris St carpark has had DGB applied to it to increase ground stabilisation 	
Key Construction Activities Look Ahead	
<p>Construction activities planned for the upcoming period for the Advanced Enabling Works (AEW) comprise of:</p> <ul style="list-style-type: none"> ▪ St Marys Footbridge: <ul style="list-style-type: none"> ○ Beams will be continued to be lifted into place on the overpass ○ Concrete pours will continue on both platforms ○ Concrete pours will continue on the deck of the overpass ○ The area behind the Harris St car park will near completion 	
ER Inspections	
<p>There were two (2) inspections of the St Marys Station Footbridge works conducted on 16/07/25 and 30/07/25 by the ER (AG).</p> <p>Key points/issues raised during the inspections were as follows:</p> <ul style="list-style-type: none"> ▪ Generally, the site compound and platforms were tidy and well managed, this was especially important given the predicted rain following the inspection ▪ An oil leak was observed from an item of plant in the compound on 30/07/25 ▪ Concrete washout trays need to be managed during the wet weather to prevent water overflowing and entering the stormwater system ▪ Previous issues detected at laydown area 1 were rectified in a timely manner ▪ It was noted that a proactive approach has been made regarding mud tracking throughout the site 	

Photos



Compound: Ballast has been placed to minimise ground disturbance while area is used for storage.



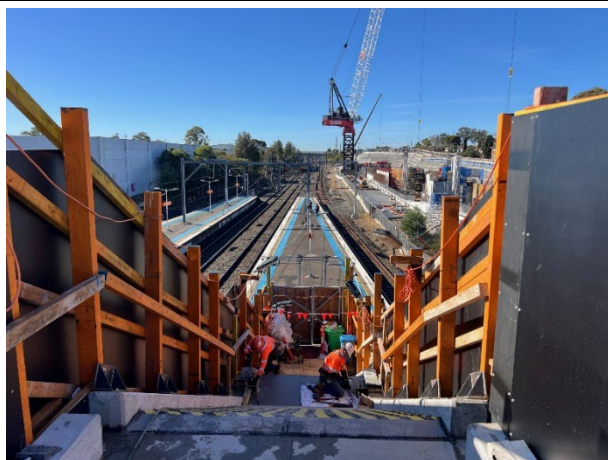
Compound: Scaffolding from the deflection wall has been removed as the wall nears completion.



Compound: The stockpile of DGB was covered in geofabric before the commencement of the rain, this is good practise.



Bridge deck: The overpass is very tidy with minimal materials stored here.



Bridge deck: Work on the stairs continues.



Harris St Carpark: The area behind the commuter carpark is progressing with DGB applied to most of the disturbed ground.



Laydown Area 1: The jersey barriers have been pulled off the retained vegetation and are sitting on level ground.



Laydown Area 1: The laydown area is tidy and clean and suitable for use for stockpiling import material.

Endorsed Document/s

The following documents were endorsed/approved by the ER:

- None

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

- Out of Hours Works form – WE05, 06,07, 08 & 09 (Rev 0)
- Out of Hours Works form – MW08 (Rev 0)

Complaints / Incidents / Non-compliance

No non-compliances were reported to the ER during the period.

One (1) incident was reported to the ER during the period.

- 30/07/25, fuel spill was observed during the ER inspection. Contractor deployed spill kit and disposed of the used materials

No complaints were reported to the ER during the period.

Audits (specific to packages reported in this report)

- None

Looking Forward – Core Focus Areas

The rain events during July 2025 were well prepared for with controls deployed prior to predicted rain, resulting in no rain related incidents. The project has not received any complaints, which reflects the high level of compliance especially during out of hours works.

As areas near completion and are stabilised, ERSR risk profile is reducing. The ER has reiterated that the project cannot become complacent during this period and all controls need to be reinstated or replaced to ensure the residual risk is well managed.

ER Closing Comments:



Over the coming month, the ER will continue to conduct inspections and request evidence from the contractor regarding key management measures. Main issues monitored include:

- Mud tracking`
- Out of hours noise
- Water management
- Concrete management
- Interaction with members of the community

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

Contract Package	Environmental Representative/s
Stations, Systems, Trains, Operations and Maintenance Package (SSTOM). Contractor Parklife Metro (PLM)	[REDACTED] (BMCL)
EPL: 21807	
Key Construction Activities During the Period	
<p>Stations</p> <ul style="list-style-type: none"> ▪ St Mary's Station (STM): <ul style="list-style-type: none"> ○ Station box wall and suspended slabs using Fibre Reinforced Polymer (FRP) ○ Pre-cast beam and plank installation ○ Hydro-demo of concrete defects completed ○ Corbel construction tie-in works ○ Blockwork commenced ○ Tunnel fit out (cable trays and brackets) ○ Linewide deliveries to the tunnel ▪ Orchard Hills Station (OHE): <ul style="list-style-type: none"> ○ Station box FRP ○ Concrete batch plant operations ○ Blockworks ○ Delivery of construction materials to the laydown areas (particularly at OHE North) ○ Flash butt welding work completed ○ Kent Road internal upgrade works ○ Tunnel fit-out cable tray (MEP) and sleeper install works ○ Beam/plank installation works ○ Concrete stockpiling in preparation for crushing for reuse as road base ▪ Luddenham Station (LUD): <ul style="list-style-type: none"> ○ Detailed excavation and concrete works ○ FRP above-ground works ○ In-ground electrical conduit installation ○ Precinct works commenced ▪ Bradfield Station (BRD) (Formerly Aerotropolis Core AEC): <ul style="list-style-type: none"> ○ Station box FRP ○ Interface management is ongoing with Western Parkland City Authority (WPCA) Contractor – WEM Civil ○ Beam lifts and plank installation ○ Construction of the permanent car park ○ Removal of old offices ○ New basin in operation, removal of old basin to commence ○ Permanent batter works on the eastern boundary 	

Linewise

- **Stabling and Maintenance Facility (SMF):**
 - Earthworks for Stockpile PS-102 and utility construction
 - Sub-station construction is ongoing - Cladding commenced
 - Substation joint bay works/service installation on Patons Lane completed
 - Delivery of materials
 - Permanent drainage works and the construction of the permanent basins are ongoing
 - Combined service route (CSR) works
 - Construction of the Maintenance and Administration (M&A) and Operations Control Centre (OCC) buildings is ongoing (structural steel and roof installation)
 - Topsoil amelioration works
 - Removal of temporary swales
- **Claremont Meadows Services Facility (CMSF):**
 - Site set-up work is complete
 - Ventilation systems: Two of four fans are operating.
 - Tunnel fit-out works – rail in tunnel, sleepers being delivered via the shaft
 - Delivery of sleepers to the site
- **Bringelly Services Facility (BSF):**
 - Ventilation systems: two of four fans are operating.
 - Track installation works. Rail in tunnels with sleepers being installed via the shaft
 - Power connection works commenced – preparation for substation to be built near site egress
- **Site Lansdowne Rd to Patons Lane:**
 - CSR works
 - Sewage service installation work
 - General services trough (GST) installation
 - Track construction works ongoing for standard hours and Out of Hours Works (OOHW)
- **Luddenham Road to M12:**
 - CSR works completed
 - Sleeper installation
 - Track slab defect rectification works
 - Works on the viaduct, waterproofing and concrete pours heading north
 - OOHW
- **M12 to Elisabeth Drive:**
 - CSR/GST work on hold until rail site possession is completed
 - Tree surveys for CSR trenching completed
 - Concrete Placement Unit (CPU) testing

Project wide

- Weed spraying is ongoing across the alignment.
- Rail pulling into the Southern down tunnel
- Tunnel fit out including cable trays/brackets, sleepers and concrete pours

Key Construction Activities Look Ahead

Stations

- St Mary's Station (STM):
 - Station box wall and suspended slabs FRP
 - Pre-cast beam and plank installation
 - Tunnel fit out (cable trays and brackets)
- Orchard Hills Station (OHE):
 - Pre-cast beam and plank installation works
 - Station box FRP
 - Concrete batch plant operations
 - Delivery of construction materials to the laydown areas (particularly at OHE North)
 - Kent Road internal upgrade works
 - Tunnel fit-out cable tray (MEP) and sleeper install works
 - Concrete crushing for reuse as road base
 - Sewer main construction (likely in September)
- Luddenham Station (LUD):
 - Detailed excavation and concrete works
 - FRP above-ground works
 - In-ground electrical conduit installation
 - Sheet piling on the western side of the station
 - Site-won stockpiling
 - Precinct works
 - Earthworks to level ground between Luddenham Rd and the station
 - Permanent car park works
- Bradfield Station (BRD) (previously Aerotropolis Core - AEC):
 - Permanent batter installation on the Eastern boundary
 - New construction sediment basin works
 - Install permanent stormwater drainage
 - Permanent car park works
 - LV Site access through WPCA and handover of the previous site shed area to WPCA
 - Station box FRP
 - Interface management is ongoing with WPCA Contractor – WEM Civil
 - Beam lifts and plank installation
 - Construction of the permanent car park
 - New water basin tie-in works and decommission existing basin
 - Removal of topsoil earth berm on eastern boundary to allow for geotechnically stable fill replacement

Linewide

- Stabling and Maintenance Facility (SMF)
 - Earthworks scope is ongoing for the stockpile PS-102 and the surface area of the SMF for utility construction
 - Sub-station construction- transformer installation works

- Substation joint bay works/service installation on Patons Lane
- Delivery of materials
- Permanent drainage works are ongoing
- Combined service route (CSR) works
- Construction of the Maintenance and Administration (M&A) and Operations Control Centre (OCC) buildings is ongoing (structural steel and roof installation)
- Topsoil amelioration works
- Removal of temporary swales commenced
- Claremont Meadows Services Facility (CMSF)
 - All four vent fans to be commissioned and operational 24/7
 - Site setup
 - Ventilation systems: Two of four fans are operating. Noise levels are below predicted levels
 - Tunnel fit-out works
 - Delivery of sleepers to the site
- Bringelly Services Facility (BSF):
 - All four vent fans to be commissioned and operational 24/7
 - Sleepers and track installation
 - Extension to the hardstand to be installed to further stabilise the shaft haul road
- Lansdowne Rd to Patons Lane:
 - ULX piling works
 - CSR works
 - Sewage service installation work
 - GST installation
 - Track construction works ongoing for standard hours and OOHW
- Luddenham Road to M12:
 - CSR works
 - Sleeper installation
 - Track slab defect rectification works
 - Works on the viaduct, waterproofing heading north
 - OOHW
- M12 to Elisabeth Drive:
 - Rail welding ceased
 - CSR/GST work on hold until rail site possession is completed
 - Tree surveys for CSR trenching, pending survey for credit usage
 - Rail sleeper installation
 - CPU (Concrete Placement Unit) works
- Project wide**
 - Weed spraying is ongoing across the alignment
 - Rail pulling into the Southern down tunnel via Orchard Hills portal
 - Tunnel fit out including cable trays/brackets, sleepers and concrete pours

ER Inspections

Five ER inspections were conducted during this period, with the Linewide portions inspected on 04, 18 and 29 July 2025 and the Stations inspected on 11 and 25 July 2025. Key points/issues raised during the inspections were as follows:

- ORH – concrete washout in an unapproved area. Low risk, as within the internal bund and surface water flows are captured in the swale (under investigation on the source of the concrete).
- CMSF – chemical bunds had overtopped during a rain event in a storage yard. Containers were stored under the bund flooring, and some hydrocarbon sheen was observed (raised as an incident report)
- STM, BRD, CMSF, Linewide Luddenham Road to M12 (other sites to a lesser degree) – Housekeeping (rubbish) continued to be a discussion point at all inspections. In particular, at the car park/site entry and smoking areas.
- STM, ORH, BSF – Ongoing risks of limited site car parking and minimising impacts from on-street parking continued to be discussed with PLM.
- Linewide – vehicles parking on vegetated stabilised areas and ECM/ESCP implementation before laydown in new areas.
- Weed maintenance was ongoing, noting that minor growth of fireweed across the alignment.
- Sitewide - Minor ESC maintenance to reinstate a sediment fence after rain events and minor improvements suggested to PLM.
- Sitewide – maintenance of spill kits, noting rubbish and restocking was required in several locations north of the water pipeline

Photos

Stations



STM – Concrete pout on eastern end of box – washout was observed into trays, and spill controls in place.



STM – rubbish adjacent Linewide sheds.



OHE – Overflow car park swale required additional ESC. It was noted that several drainage pipes from adjacent properties had eroded the batter.



OHE – Concrete washout occurred in a concrete stockpiling area. Washout had entered an internal swale which reports to the turkey nest swale.



OHE – Ground level on the western side of the box showing planter box construction.



OHE – Several spill kits were not maintained.



LUD – Noted that the gravel stockpile had been placed in the internal swale. While no environmental risk from the gravel, the potential risks for other stockpiles (i.e. DGB, etc) were discussed with PLM.



LUD – Electrical conduit works and placement of supports for lift to the platform.



BRD – Drainage line with rock checks and importing shale for backfilling.



BRD – Construction on the permanent car park.



BRD – Concrete pour and washout facilities were in use.



BRD – Cigarette butts in the smoking area require pickup. It was noted that smoking bins were provided; however, staff were not placing butts in the bins.

Linewide



CMSF – Car park litter remained an issue.



CMSF – Chemical bund had overflowed and noted storage under the floor mat.



Lansdowne Rd to Patons Ln – Laydown of GST on vegetated stabilised areas – raised with PLM that stabilised areas should be maintained where possible and ECMs updated to show approved laydown areas as ancillary facilities.



Lansdowne Rd to Patons Lane – Litter along GST installation works, noted that laydown on previous pads was occurring. ER reminded PLM to update ECMs to show laydown areas. ER discussed the placement of small stockpiles in drainage lines with PLM.



SMF – Building construction, insulation and roof installation.



SMF – Minor tracking onto Patons Lane – rumble grids installed and street sweeper operating.



Patons Ln to water pipeline – Tree protection zone was in place, fireweed was noted in cleared areas.



Patons Ln to water pipeline – Speedhumps had been installed along the linewide haul roads. It was noted that rubbish was accumulating in these areas.



Water Pipeline to Luddenham Station – Chemical storage bund and water cart in use at laydown area.



Water Pipeline to Luddenham Station – view of viaduct to water pipeline.



Luddenham to M12 – Sleeper deliveries on stabilised haul road (good practice).



Luddenham to M12 – Laydown area and chemical storage bunds were maintained.



M12 to Elizabeth Dr – Rumble grid and site egress.



M12 to Elizabeth Dr – ER discussed laydown on vegetated stabilised areas with PLM and updating ECMs to show approved laydown areas.



BSF – Discussed fireweed management with PLM. Laydown ESC was maintained.



BSF – Reinstatement of sediment fence was required post rainfall.



BSF – Noted slow growth of hydroseed at the rear of stockpile bunds.



BSF – Rumble grid egress and LV parking at capacity.

Endorsed Document/s
<p>The following documents were endorsed/approved by the ER:</p> <ul style="list-style-type: none"> ▪ Nil <p>The following documents were provided for information or reviewed with comments provided to Sydney Metro:</p> <ul style="list-style-type: none"> ▪ Small Business Owner Engagement Plan - St Marys - Rev 00.03 ▪ SM-WSA Monthly Complaints Report June 2025 ▪ Submissions Board, Submissions Forecast and ICD Board - 09/07/2025, 16/07/2025, 23/07/2025 and 30/07/2025 ▪ Sydney Water DN900 WAC Final from M12 Project Team ▪ Surface Water Quality Monitoring Program - Rev 3.02 ▪ Claremont Meadows and Bringelly Service Facilities E57 Consultation reports ▪ SMF ECM and ESCP updates ▪ Incident & Emergency Management Plan - Rev 0.02 ▪ Weekly Complaints Report 21 July 2025 ▪ Weekly Complaints Report 28 July 2025 ▪ Environmental Review - Luddenham Power Utility Installation ▪ Soil and Water Management Plan Draft updates to include justification for monitoring program updates.
Complaints / Incidents / Non-compliance
<p>There were two non-compliances with the Approval reported to the ER during this period:</p> <p>EVT-000214 – E105 - Unapproved Heavy Vehicle Route Boral agitator truck utilised the below unapproved local roads to deliver concrete to PLM's St Marys station site: Chapel Street, Lethbridge Street, Station Street</p> <p>EVT-0002154 – E121 – Concrete boom was deployed above the Warragamba Pipeline controlled infrastructure corridor. Construction methodology for viaduct concrete works over the Warragamba Pipelines was not followed when the concrete boom entered the 'no slew zone'.</p> <p>Three minor incidents were reported to the ER during this period.</p> <p>EVT-0002147 – Water Pipeline to Luddenham Station - Diesel spill was located on concrete hardstand within concrete bund.</p> <p>EVT-0002148 – CMSF - chemical storage bund was at capacity and had overflowed.</p> <p>EVT-0002149 – SMF – diesel spill into a sealed stormwater pit.</p> <p>Incident Reports 027 - Claremont Meadows Bund Overtop & 028 - SMF Diesel Spill</p> <p>There was one SSTOM project complaint and one project complaint related to FAW reported to the ER during the period at Orchard Hills, concerning:</p> <ul style="list-style-type: none"> ○ SSTOM – Complaint about noise and vibration OOH from material dumped into bins. ○ FAW – OOH works, noise, worker behaviour, property access and light impacts. The ER is still making enquiries of Sydney Metro in relation to this complaint.
Audits (specific to packages reported in this report)



Nil

Looking Forward – Core Focus Areas

The focus continues to be on the review and implementation of the CEMP and sub-plans.

As littering and parking continued to be issues, a review of the management processes is underway, with PLM to provide clear management measures to the ER in August.

Key measures focused on in August consist of:

- Assess the implementation effectiveness of mitigation measures within OOH work zones.
- Continued implementation of ESCP and ECMs, and active maintenance by PLM of the controls post rainfall.
- Confirm that ESC measures remain active and effective in partially completed external zones, including stockpile areas and entry/exit points.
- Review implementation of mitigation measures for concrete washout areas (bundling, signage), and the storage and use of curing compounds. Continued inspections of spill kits are stocked and accessible near pour zones and pumping locations.

ER Closing Comments: Actions raised at the ER inspections were noted as taking significantly longer to complete than normal, in particular those related to ERSed maintenance, and more specifically in the northern portions. The ER has been reminding the project that implementation of ERSed controls should complement construction rather than be a lower priority for completion than the construction works.

3. 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 the Department of Planning, Housing and Infrastructure (DPHI) 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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