

[REDACTED]
Senior Compliance Officer – Government Projects
Department of Planning, Housing and Infrastructure
Locked Bag 5022
PARRAMATTA NSW 2124

6 May 2025
Ref:201209-ER_DPHI-April 2025

Dear [REDACTED]

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

Yours sincerely

[REDACTED]
Environmental Representative

Cc:

Sydney Metro: [REDACTED]

[REDACTED]
DPHI: Major Projects Portal

Enclosed:

Endorsement of the Sydney Metro Western Sydney Airport, Advanced and Enabling Works, Footbridge St Marys Construction Environmental Management Plan, Rev 04

Endorsement of SSTOM DNVIS Orchard Hills Rev 5

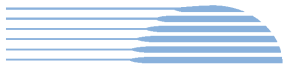








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1. Advanced and Enabling Works (AEW)

Contract Package	Environmental Representative/s
Advanced and Enabling Works (AEW)	
EPL: None	
Key Construction Activities During the Period	
<ul style="list-style-type: none"> ▪ St Marys Footbridge (FSM): <ul style="list-style-type: none"> ○ The deflection wall continued to be constructed ○ Excavation ongoing on the road behind the Harris St carpark ○ Kerb and gutter were constructed adjacent to the road behind the Harris St car park ○ Columns and headstocks continued to be poured on both platforms 	
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"> ○ Deflection wall construction continuation ○ Concrete pours will continue on both platforms ○ Excavation and concrete pours will continue on the road behind the Harris St car park 	
ER Inspections	
<p>There were two (2) inspections of the St Marys Station Footbridge works conducted on 14/04/25 and 30/04/25 by the ER (AG).</p> <p>Key points/issues raised during the inspections were as follows:</p> <ul style="list-style-type: none"> ▪ The site performed well during the Easter shutdown and recent rainfall events ▪ A spill occurred on 28/04/25 and was treated with a spill kit. The materials used to clean up the spill needed to be collected and disposed of ▪ The waste concrete storage area in the compound was untidy. ER recommended that this area needed to be levelled and a hardstand applied ▪ Minor mud tracking was observed at the exit point ▪ The drain controls in the compound area were effective, sediment built up behind the controls needed to be removed ▪ Concrete debris was observed on the road between the compound and the car park following stripping of formwork. ER requested that this debris be removed and the road cleaned. 	

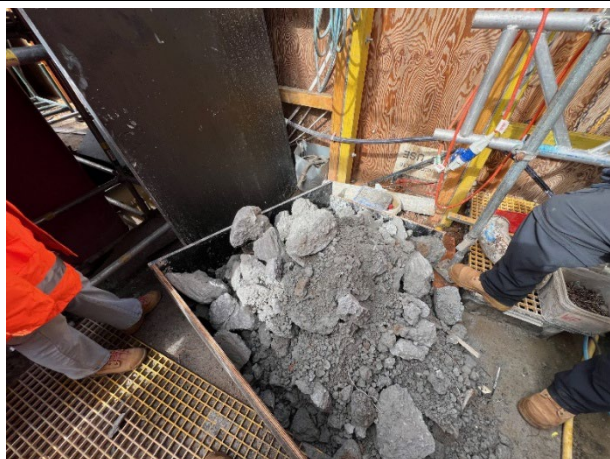
Photos	
St Marys Footbridge	
	
<p>Compound: A spill occurred on 28/04/25, absorbent material was applied.</p>	<p>Compound: The concrete waste storage area is holding water and is untidy.</p>
	
<p>Compound: The deflection wall continues to be constructed.</p>	<p>Compound: Proprietary bulka bags for concrete washout have been used to contain washout.</p>
	
<p>Compound: Minor mud tracking was observed at the site exit point.</p>	<p>Compound: Pit controls have been effective, however, during the recent rain events, sediment has collected behind the coir logs.</p>



Road between site and carpark: Concrete dust and rubble was observed on the carpark road.



Road between site and carpark: Trucks loading out from the compound area were not driving on mud, keeping their wheels clean.



Platform 1/2: Waste concrete has been stockpiled within the hoarding for removal.



Platform 3/4: Pile cages are in place on platform 3/4 awaiting concrete pours.

Endorsed Document/s

The following documents were endorsed/approved by the ER:

- Advanced and Enabling Works, Footbridge St Marys Construction Environmental Management Plan, Rev 04. Endorsed 03/04/2025

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

- Out of Hours Works form – WE44 (Rev 0)
- Out of Hours Works form – WE44 (Rev 1)
- Out of Hours Works form – WE45, 46 & 47 (Rev 0)

Complaints / Incidents / Non-compliance

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



Two incidents were reported to the ER during the period. Both incidents concerned spills, one fuel spill on 14/04/25 and one hydraulic spill on 28/04/25. Both incidents have been closed out by the contractor in agreement with the client.

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 project performed well during the recent wet weather periods, with controls working effectively. Controls did need maintenance to ensure they were fit for future rain events, the ER issued inspection actions to ensure this maintenance occurred. Modification of construction methods and vehicle use has seen a significant reduction in mud tracking, with only minor instances observed. Despite the recent rainfall, the project has not needed to discharge water off site, with all ponded water pumped to on-site storage tanks for treatment and either reuse or off-site disposal.

ER Closing Comments:

The ER will continue to focus on cleanliness of roads and housekeeping, as well as other issues that have higher environmental risk. Key issues include:

- Mud tracking
- Water management
- Noise
- Segregation of waste streams
- 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)	
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 ongoing ○ Suspended slabs FRP ongoing ○ Hydro-demo of concrete defects commenced ○ Corbel construction tie-in works to FSM commenced ▪ Orchard Hills Station (OHE): <ul style="list-style-type: none"> ○ Station box FRP ongoing ○ Concrete batch plant operations are ongoing ○ Delivery of construction materials to the laydown area (particularly at OHE North) ○ Flash butt welding works ongoing ○ Kent Road internal upgrade works are ongoing – road base installation commenced ○ Kent Rd / Caddens Road investigations works completed ○ Tunnel fit-out works commenced ○ Sewerage service installation works are complete ○ Beam/plank installation works are ongoing ▪ Luddenham Station (LUD): <ul style="list-style-type: none"> ○ Detailed excavation and concrete works continued ○ FRP above-ground works continued ○ In-ground electrical conduit installation is ongoing ○ Site-won stockpiling ongoing ▪ Bradfield Station (BRD) (Formerly Aerotropolis Core AEC): <ul style="list-style-type: none"> ○ Suspended slab construction is ongoing ○ Station box FRP ongoing ○ Interface management is ongoing with WPCA Contractor - WEM ○ Beam lifts and plank installation are ongoing ○ Removal of topsoil earth berm on eastern boundary for permanent batter works at SMF and OHE ○ Construction of permanent car park commenced ○ Earthworks for the relocation of site offices commenced ○ Construction of new water basin completed <p>Linewide</p> <ul style="list-style-type: none"> ▪ Stabling and Maintenance Facility (SMF): <ul style="list-style-type: none"> ○ Earthworks scope ongoing for the surface area of the SMF for construction ○ Sub-station construction ongoing. Transformer installation works ongoing 	

- Substation joint bay works/service installation on Patons Lane is ongoing
- Delivery of materials ongoing
- Permanent drainage works ongoing
- Combined service route (CSR) works ongoing
- FRP for the Maintenance and Administration (M&A) and Operations Control Centre (OCC) buildings ongoing
- Permanent basin excavations commenced
- Topsoil amelioration works commenced
- Claremont Meadows Services Facility (CMSF):
 - Site set-up work is mostly complete
 - Installation of ventilation systems ongoing
 - Tunnel fit-out works ongoing
- Bringelly Services Facility (BSF):
 - Site establishment ongoing – haul road sealed around shaft
 - Installation of the ventilation system ongoing
 - Site establishment for laydown area in the western rear section of site completed, topsoil stockpile hydro-mulched
- Lansdowne Rd to Patons Lane:
 - Site establishment works ongoing – minor facilities to be installed
 - Flash butt welding pad extension ongoing
 - ULX piling works are ongoing
 - CSR work is ongoing
 - Sewage service installation works commenced
 - GST installation commenced
 - Crane pad construction commenced
 - Track slab concrete works commenced
 - Laydown pad construction works commenced adjacent to the water pipeline
 - No works have been undertaken from the water pipeline to Luddenham Station
- Luddenham Road to M12:
 - Bulk civil works up near M12 to support lay down activities mostly complete
 - CSR works ongoing
 - Sleeper installation commenced for at-grade sections
 - Track slab defect rectification works commenced
 - Rail pulling and installation works ongoing
 - M12 bridge waterproofing works ongoing
 - Warragamba viaduct defect works ongoing (via SCAW contractors)
- Portion 4 (M12 to Elisabeth Drive):
 - Rail welding ongoing
 - GST works ongoing
 - CSR work on hold from rail site possession
 - Tree surveys for CSR trenching commenced
 - Rail sleeper installation commenced

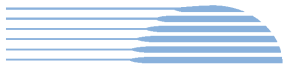
Key Construction Activities Look Ahead

Stations

- St Mary's Station (STM):
 - Station box wall FRP to continue
 - Precast beam installation ongoing
 - Tunnel fit out works to commence
 - Corbel works ongoing
- Orchard Hills Station (OHE):
 - Station box wall FRP to continue
 - Delivery of construction materials to laydown area (particularly at OHE North)
 - Batch plant operations are ongoing and OOH
 - Tunnel fit out works
 - Precast beam and plank installation works
- Luddenham Station (LUD):
 - Station footprint excavation is ongoing
 - FRP / Concrete ongoing
 - Site-won stockpiling ongoing
 - Low-impact steel fixing evening works (NML compliant OOH works)
 - In-ground electrical conduit installation LV/HV ongoing
 - OSOM deliveries to commence
- Bradfield Station (BRD) (previously Aerotropolis Core - AEC):
 - FRP wall pours ongoing
 - Precast beam and plank deliveries ongoing
 - Permanent batter installation on eastern boundary ongoing
 - Topsoil removal to SMF and ORH ongoing
 - Installation of permanent stormwater drainage
 - Linewide integration

Linewide

- Stabling and Maintenance Facility (SMF):
 - Permanent drainage works ongoing
 - Permanent stockpile (PS-102) relocation works ongoing
 - Construction of permanent detention basin
 - Substation, M&A and OCC buildings FRP works ongoing
 - CSR works
 - Patons Lane bulk power supply works
 - Topsoil amelioration works
- Claremont Meadows Services Facility (CMSF):
 - Ventilation system commissioning
 - Delivery of materials and tunnel fit out works
- Bringelly Services Facility (BSF):
 - Ventilation system commissioning



- Delivery of materials and tunnel fit out works
- Concrete deliveries to commence
- Lansdowne Rd to Patons Lane:
 - Site set-up works to be complete
 - Sewage service installation works
 - Flash butt welding pad extension
 - ULX piling works
 - GST installation works
 - Completion of crane pad construction and installation of crane
 - Track slab concrete works
- Luddenham Road to M12:
 - Concreting/FRP works
 - Rail dragging and installation
 - Track slab defect works
 - 24-hour OOHW to commence
 - Bridge defect rectification works
- M12 to Elisabeth Drive:
 - GST installation ongoing
 - Flash butt welding
 - CSR works
 - Rail sleeper installation

ER Inspections

Three ER inspections were conducted during this period, with the Linewide portions inspected on 08 April 2025 and the Stations inspected on 01 and 15 April 2025. No inspections were undertaken during the Easter to Anzac Day break, with the sites having minimal activities during this period. Key points/issues raised during the inspections were as follows:

- STM – Minor housekeeping (rubbish removal) required under crib sheds.
- ORH – Shotcreting of internal embankment and drain completed. Sump headwall concreted to prevent blowout. The wheel wash installation was mostly completed (plumbing work to be completed). ERSED and weed maintenance had improved across the site.
- LUD – The haul road interface between LV and delivery was being managed through increased street sweeping.
- BRD – Removal of the topsoil was mostly completed, ESC were maintained around the perimeter of the site.
- SMF – Weed maintenance ongoing, installation of ERSED controls in stockpile area was required, dust generation after breaks was discussed with PLM, noting that trucks were moving before water carts had sprayed haul roads.
- Linewide – Weed maintenance ongoing. Minor ESC updates were suggested along the alignment.
- Linewide – Claremount services shaft – weed maintenance completed; Sheet erosion had occurred in the laydown area, and it was suggested to PLM to control surface flows to minimise on-site erosion risks.
- Linewide Bringelly – Tree protection zones (TPZ) had been installed. Concreting of haul road around shaft was mostly completed, concrete washout bay was concreted. DGB was installed to the laydown area. Topsoil bunds were hydro mulched, and vegetation growth had commenced.
- General – Vast improvement in housekeeping and weed maintenance has been observed across the sites.

The sites undertook a shutdown inspection by PLM and reported to the ER on 17 April, with all ERSED controls noted to be maintained. It is noted that the sites were prepared for the 63.6mm rain event recorded at Badgerys Creek from 23 April to 30 April (with 30.4 mm recorded on 27 April), with active dewatering and overtopping of the southern basins reported to the ER on Monday, 28 April. Areas that were not hardstand were closed for non-essential work until the risks of tracking had reduced. This included the ER inspection scheduled for 29 April being postponed until access was restored.

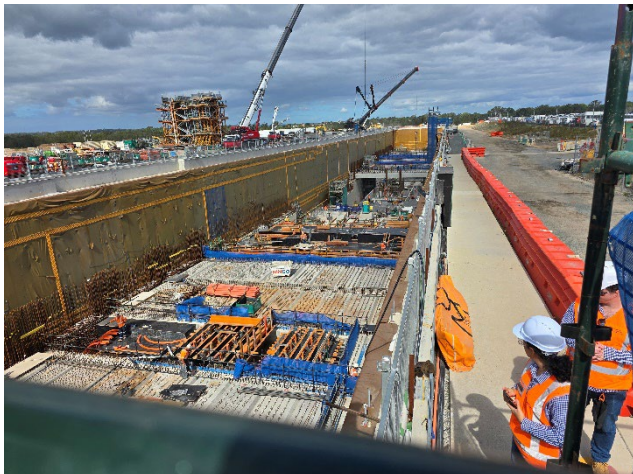
Photos	
Stations	
	
<p>STM – Graffiti removal was addressed by PLM.</p>	<p>STM – Housekeeping for rubbish removal was noted under the crib/office sheds.</p>
	
<p>OHE – Kent Road internal upgrade works.</p>	<p>OHE – Shotcreting of the internal batter completed.</p>
	
<p>OHE – TPZ installed for perimeter trees.</p>	<p>OHE – Topsoil stockpiling had commenced. Minor updates to ERS&D controls were recommended to reduce sediment load into the basin.</p>



LUD – delivery laydown area was maintained.



LUD – Light vehicle (LV) and haul road interface stabilisation was pending. Increased use of water carts and street sweeper was ongoing to control sediment tracking.



BRD – Station box showing beam installation and FRP.



BRD – Topsoil stockpile removal continued, ESC was maintained. Rear of stockpile graded to pool onsite.



BRD – Concrete washout on stabilised area.



BRD – Compaction for the permanent car park.

Linewide	
	
<p>CMSF – Minor cleanup of rock to the WTP basin was required.</p>	<p>CMSF – Concrete washout area was bunded.</p>
	
<p>Lansdowne Rd to Patons Ln – Rumble grids were installed.</p>	<p>Lansdowne Rd to Patons Lane – Laydown/MAff pad construction works continued.</p>



SMF – ESC required installation adjacent to the northern swale.



SMF – Polymer spraying of the topsoil stockpile had commenced, weed maintenance at the rear of the stockpile required attention.



Patons Ln to water pipeline – Construction of the laydown pad had commenced.



Patons Ln – TPZ signs were installed. No-go zones for vibration activities were suggested to be more prominent. Vibration verification monitoring against the predicted levels in the DNVIS was requested by the ER (results pending).



Luddenham to M12 – Bridge waterproofing works.



Luddenham to M12 – Bunding of flammable materials in storage laydown area.



M12 to Elizabeth Dr – Laydown areas were maintained.



M12 to Elizabeth Dr – Stockpile tracking was discussed with PLM. Signs were installed on some stockpiles.



BSF – Larger generators were being commissioned (noted to be quieter as under less load than smaller generators).



BSF – Concrete washout bay was sealed.



BSF - Rumble grids were installed.



BSF - Hydro-mulch on topsoil batter and ESC checks on toe of batter.

Endorsed Document/s
<p>The following documents were endorsed/approved by the ER:</p> <ul style="list-style-type: none"> ▪ Orchard Hills DNVIS Rev 5 <p>The following documents were provided for information or reviewed with comments provided to Sydney Metro:</p> <ul style="list-style-type: none"> ▪ AEC - Community Communications Site (CCS) Specific Sub-Plan - Rev 00.03 ▪ LDN - Community Communications Site (CCS) Specific Sub-Plan - Rev 00.03 ▪ STM - Community Communications Site (CCS) - Specific Sub-Plan - St Marys Station - Rev 00.03 ▪ OHE - Community Communications Site (CCS) Specific Sub-Plan - Rev 00.03 ▪ Groundwater Construction Monitoring Report - Rev 02 (Final) ▪ Consistency Assessment - Revised Bradfield Construction Footprint ▪ Detailed Noise and Vibration Impact Statement – Orchard Hills Station - Concrete Works - Rev 05
Complaints / Incidents / Non-compliance
<p>There was one non-compliances with the Approval reported to the ER during this period:</p> <p>NCR – EIR-022– self-reporting the non-compliance of CoA C105 concerning a truck using an unapproved route under the HVLR / CTMP and an associated incident of a concrete spill.</p> <p>One minor oil spill incident was reported to the ER during this period.</p> <p>There were five project complaints, and three non-project complaints reported to the ER during the period, concerning:</p> <ul style="list-style-type: none"> ▪ Orchard Hills - Linewidth <ul style="list-style-type: none"> ○ One complaint for dust ▪ SMF / Linewidth <ul style="list-style-type: none"> ○ One complaint of noise and dust ▪ St Marys <ul style="list-style-type: none"> ○ One complaint regarding OOH noise from the Tower Crane and notification. Sydney Metro confirmed the letter box drop had occurred, and the stakeholder is now on the email list. ▪ Luddenham <ul style="list-style-type: none"> ○ One complaint of trucks using compression braking (not associated with Sydney Metro activities) ▪ Bringelly Services Facility <ul style="list-style-type: none"> ○ one complaint for nature strip damage (not associated with Sydney Metro activities)
Audits (specific to packages reported in this report)
<p>Nil</p>



Looking Forward – Core Focus Areas

The focus continues to be the review and implementation of the CEMP and sub-plans, with a focus on site setup of Linewide areas, erosion, training requirements, ESC and traffic/parking.

ER Closing Comments: The project has greatly improved in managing environmental controls being implemented and maintained. The ER has recommended that PLM focus on proactive management of the site for dust management.

Key environmental issues raised with PLM include:

- Final design completion and water management
- Erosion and Sediment Control and plan updates
- Noise from new activities and OOH works
- Weed management
- Stockpile tracking and management
- Proactive dust management

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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3 April 2025

Director Sustainability Environment & Planning SMWSA
Sydney Metro
Transport for NSW
PO Box K659
HAYMARKET NSW 1240

Ref: 201209_Footbridge St Marys CEMP_Rev04

Dear [REDACTED]

RE: Endorsement of the Sydney Metro Western Sydney Airport, Advanced and Enabling Works, Footbridge St Marys Construction Environmental Management Plan, Rev 04

Thank you for providing the following document for Environmental Representative (ER) review and approval in accordance with MCoA A32(j) of the Sydney Metro Western Sydney Airport project (SSI – 10051 July 23, 2021):

- *Sydney Metro Western Sydney Airport – Advanced and Enabling Works, Footbridge St Marys Construction Environmental Management Plan Revision 04 dated 28/03/2025 (CEMP Rev 04).*

As an approved ER for the Sydney Metro Western Sydney Airport project, I have reviewed the following proposed minor amendments in the CEMP Rev 04:

- Table 1 – updated to reflect current programme dates
- Sections 7, 9, 10, 17 & attachment E – updated to reflect changes to Laing O’Rourke’s internal reporting system
- Section 3 & attachment E – updated the details of the DNVIS
- Attachment O – updated details of CoC E57

It is noted that:

- Previous versions of the document have been reviewed and updated following comments from the ER
- Sydney Metro and Transport for New South Wales have also reviewed and commented on the document



HBI

Healthy Buildings International Pty Ltd

Based on the information reviewed, in my opinion, the proposed changes constitute a minor amendment pursuant MCoA A32 (j). Accordingly, as an approved ER for the Sydney Metro Western Sydney Airport project, I approve the amended CEMP Rev 04.

The Project is reminded to ensure the most recently approved CEMP is made publicly available on the Project's website.

Yours sincerely



Environmental Representative – Sydney Metro Western Sydney Airport

Hugh Chapman
Director Sustainability Environment & Planning SMWSA
Sydney Metro
Transport for NSW
PO Box K659
HAYMARKET NSW 1240
Ref: 201209(d) DNVIS STTOM OHS Rev5

08 April 2025

Dear Hugh

RE: Approval of the Sydney Metro Western Sydney Airport, STTOM OHS Concrete Works OOH and Batch Plant DNVIS Rev5

Thank you for providing the Sydney Metro Western Sydney Airport – STTOM Orchard Hills (OHS) Detailed Noise and Vibration Impact Statement (Rev 5), dated 7 April 2025 (the DNVIS) for Environmental Representative (ER) review and approval.

As the Sydney Metro approved delegate, pursuant to the Construction Noise and Vibration Standard v4.3 (the CNVS), Section 1.4.4, approved as part of the submissions report under the Sydney Metro Western Sydney Airport project (SSI – 10051 July 23, 2021); I have reviewed the DNVIS and provided comments, and now consider the DNVIS consistent with the requirements and principles in, or under the CNVS and contractor NVMP.

I remind you that should the scope of work or the timing of works change, the Principal Contractor must update the DNVIS and seek subsequent approval by the ER for the new version. All monitoring and mitigation measures under the NVMP are also to be adhered to during the implementation of this DNVIS.

Yours sincerely



Brett McLennan
Environmental Representative – Sydney Metro Western Sydney Airport