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12 January 2023 Ref: 201209-ER\_DPIE-December 2022

Ms Alex McGuirk Compliance Officer– Government Projects Department of Planning Industry and Environment Locked Bag 5022 PARRAMATTA NSW 2124

Dear Alex,

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# RE: Sydney Metro - Sydney Metro Western Sydney Airport SSI 10051 – ER Monthly Report for December 2022

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

A.B.N. 39 003 270 693

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 December 2022.

Yours sincerely

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Rui Henriques Environmental Representative

Cc: Sydney Metro: Hugh Chapman, David Virtue, Andew Smith, Tim Solomon, Foster Walker DPIE: Major Projects Portal

Enclosed: ER Endorsement of IPO SEMP R1 221222

Contract Package	Environmental Representative/s	
Sydney Metro - Western Sydney Airport	Dui Henriques (Alex Cole/Le Debertson	
Advanced and Enabling Works (AEW)	Rui Henriques/Alex Gale/Jo Robertson	
Key Construction Activities During the Period		
St Marys Station Lift Relocation:		
<ul> <li>The new lift is complete and commissioned</li> </ul>		
<ul> <li>Landscaping works were completed</li> </ul>		
<ul> <li>Site hoarding was removed</li> </ul>		
<ul> <li>All plant was removed from the site</li> </ul>		
<ul> <li>The construction of the St Marys station lift relocation is complete</li> </ul>		
Key Construction Activities Look Ahead		
The Construction activities planned for the upcoming period for	the Advanced Enabling Works (AEW) comprise of:	
<ul> <li>St Marys Station Lift Relocation:</li> </ul>		
<ul> <li>All works are complete and no future works are planned for St Marys station lift relocation</li> </ul>		
<ul> <li>Integrated Project Office (IPO):</li> </ul>		
<ul> <li>Mobilisation to site</li> </ul>		
<ul> <li>Installation of fencing</li> </ul>		
<ul> <li>Geotechnical investigations</li> </ul>		
<ul> <li>Utility installation and relocation.</li> </ul>		
■ TBI:		
<ul> <li>Station/Queen St Road pavement defects rectification</li> </ul>	works (Out of Hours)	
ER Inspections		
There was one ER Inspection (conducted by Mr Alex Gale) in Dec		
weather and health permitting). This was the final inspection of the St Marys Station Lift Relocation works:		
<ul> <li>01/12/2022 - Key points/ issues raised during this inspection were as follows:</li> </ul>		
<ul> <li>It is noted that a blocked drain near the goods shed wa</li> </ul>	is in this state prior to TfT obtaining control of the site	
however, this drain should be placed on the defect list		
<ul> <li>A combination of retained and new paving bricks has been used on the paved areas</li> </ul>		
St Mays lift relocation – the existing lift has been removed St	Marys lift relocation – the new lift is operational	



## **Endorsed Document/s**

The following documents were endorsed/approved by the ER (Mr Alex Gale)

 Sydney Metro - Western Sydney Airport Advanced and Enabling Works Site Establishment Management Plan, St Marys SSTOM Project Office (SPO) (Rev 1) 22/12/22 .Note that the approved Staging Report refers to this works package as Integrated Project Office (IPO).

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

 Sydney Metro - Western Sydney Airport Advanced and Enabling Works, Footbridge St Marys - Construction Environmental Management Plan (Rev C)

## 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)

Nil this period

#### Looking Forward – Core Focus Areas

Compliance during commencement of the SSTOM Project Office (SPO) works.

**ER Closing Comments:** The St Marys Lift and Stairs is complete the area is now open to the public and the new lift is fully operational.

The SSTOM Project Office (SPO) is due to commence works in January 2023. The majority of these works will be minor in nature as the office modules are being prefabricated offsite and will be lifted into position once geotechnical investigations and utility works are complete. Key focus areas include compliance with the traffic management requirements identified in the EIS and following the out of hours protocol should works need to be undertaken outside of standard construction hours.

Contrac	t Package	Environmental Representative/s
Sydney Metro - Western Sydney Airport		Bui Hanriques / Alex Cala
Station Boxes and Tunnelling (SBT)		Rui Henriques/ Alex Gale
Key Con	struction Activities During the Period	
<ul> <li>Sair</li> </ul>	nt Marys:	
0	Completed establishment of construction offices and parking	areas
0	Continued to establish ERSED Controls, hoardings fences and	barricading
0	<ul> <li>Continued soil nails, shotcrete of southern embankment to the west</li> </ul>	
0	Western pilling pad establishment	
0	Continued blinding and pile break-back east to west	
0	Commenced capping bean construction at the east.	
0	Water treatment plant (WTP) pad and slab FRP	
0	Main (Station Plaza) Laydown slab FRP including pour	
<ul> <li>Clar</li> </ul>	emont Meadows Services Facility:	
0	Carparking and internal road construction completed.	
0	Capping beam completed	
0	Connection of WTP to Sydney Water infrastructure on Putlan	d Rd
0	Water Treatment Plant commissioned	
<ul> <li>Orc</li> </ul>	hard Hills:	
0	Hoarding Completed	
0	Continued ERSED controls installation	
0	Completed topsoil stripping	
0	Dewatering of onsite dams	
0	Establishment of permanent site offices, amenities and perm	anent site accesses near completion
0	Continued Construct bardstand for roads and roads	'

• Continued Construct hardstand for roads and roads

- $\circ$  ~ Continued pilling, blinding and pile breakback in the north
- Started capping beam construction in the North
- Completed pilling pad a Lansdowne Rd and commenced pilling
- o Preparation of pilling pad south of Lansdowne Rd

# Aerotropolis :

- Completed establishment of site offices and amenities, and internal access roads.
- Fencing, and ERSED controls installation
- o Surface asbestos contaminated soil removal works in area identified as moderate risk by the DSI
- Pilling pad preparation in DSI low risk area completed.
- Commenced pilling in low risk areas
- Bringelly Services Facility :
  - Continued ERSED controls installation
  - Completed piling
  - Completed pile blinding and break-back
  - Commenced pilling cap construction
  - Continued Installation of Water Treatment Plant

# Key Construction Activities Look Ahead

- Saint Marys:
  - o Continue Establish ERSED Controls, hoardings fences and barricading
  - Complete soil nails, shotcrete of southern embankment to the west
  - Commence pilling at central western portion
  - Continue blinding and pile break-back east to west
  - Continue capping bean construction at the east.
  - Continue WTP construction and installation
  - o Continue main (Station Plaza) Laydown areas including slab FRP
- Claremont Meadows Services Facility:
  - o Commence services shaft excavation

# • Orchard Hills:

- Continue ERSED controls installation
- Continue dewatering of onsite dams as required.
- o Complete establishment of permanent site offices, amenities and permanent site accesses
- Continue construction of hardstand for roads and roads
- Commence tunnel precast segment delivery
- Continue pilling, blinding and pile breakback in the north -north to south
- Continue capping beam construction in the North north to south
- o Continue pilling at Lansdowne Rd and commence blinding and pile break back
- o Complete pilling pad south of Lansdowne Rd and commence pilling

# • Aerotropolis :

- Continue ERSED controls installation
- Complete surface asbestos contaminated soil removal works in area identified as moderate risk by the DSI
- Continue pilling in low risk areas
- Commence cut to fill in to area identified as moderate risk by the DSI
- Pilling pad preparation in DSI moderate risk area.
- Bringelly Services Facility :
  - o Complete ERSED controls installation
  - Complete capping beam
  - Install and commission WTP

# **ER Inspections**

There were two (2) ER Inspections conducted in December 2022 (ER inspections are on a fortnightly cycle weather and health permitting).

- ER inspection by Mr Alex Gale 8/12/2022 Key points/ issues raised during this inspection were as follows:
  - A number of previous actions remain open and CPBG has not provided sufficient information to close these outstanding items
  - $\circ~$  At St Marys Material stored on top of the IBCs of flocculant needs to be removed
  - $\circ$  At St Marys ERSED controls should be repaired when damaged, and litter needs to be removed from the site
  - At Orchard Hills Site exits to Kent Rd need to be stabilised to prevent wheel ruts and dust tracking, earth drains need to be lined and dust needs to be controlled in active work areas
  - $\circ$   $\;$  At Orchard hills The internal drain along Lansdowne Road should be lined to prevent scour  $\;$
  - At the ER inspection of 19/12/22 CPBG must ensure the ER is provided access to the areas of Orchard Hills site relating to the central drainage (particularly in the east) and the southern-most boundary south of Lansdowne Rd. to which access has been requested repeatedly, but was not planned/organised.
  - Dust continues to be an issue at Orchard Hills. Watercarts were observed on the site, however either the areas they work or number needed was not sufficient to control all of the dust.
  - At Aerotropolis The perimeter drain requires the scour lining to be completed and dedicated watercarts during dusty conditions (currently the watercart is shared between Aerotropolis and Bringelly)
  - At Bringelly Earth drains need to be lined to prevent scour, the basin and inlet require lining, and a full waste bin needs to be replaced
  - At Bringelly Materials continue to be stockpiled on the north south dirty water swale. Materials must be removed from the area of the swale, controls installed around the stockpile plus shaping and compacting.
- ER inspection by Mr Rui Henriques 19/12/2022 Key points/ issues raised during this inspection were as follows:
  - A significant number of previous actions remain open and CPBG has not provided sufficient information to close these outstanding items
  - At St Marys northern haul road, sandbags at barrier penetrations should be refreshed prior to Christmas/new year shutdown a good opportunity
  - At St Marys Station St, clean-up of silt and sediments and repair of sediment controls required prior to Christmas/new year shutdown
  - At St Marys Gidley Street exit, Dirt had been tracked out onto Phillip St. Clean-up of silt and sediments tracked on to roads required prior to Christmas/new year shutdown
  - At Claremont Meadows, swales need to be lined prior to Christmas shutdown.
  - At Claremont Meadows the depression South of the central sediment basin, between the laydown pad and the sediment basin, results in water bypassing the basin and exiting at the western boundary. Prior to the Christmas shutdown install measures to prevent dirty water bypassing the sediment basin.
  - At Claremont Meadows disturbed areas at Putland Rd.to be reinstated to same as, or better than, original condition prior to Christmas shutdown.
  - At Orchard Hills Site exits to Kent Rd need to be stabilised, swales need to be lined, and loose/stockpiled materials to be shaped and protected prior to Christmas shutdown.
  - At Orchard Hills Prior to the Christmas shutdown, disturbance and soil loss calculations should be done for the catchment to determine adequacy of retention capacity of part of the old west to east drainage channel being used as a retention basin and what additional contingency measures are required.
  - At Orchard Hills, south of Lansdowne Rd., prior to Christmas shutdown internal swales should be lined to prevent scour and end of line soil berms should be built up to maximise water retention and shaped and protected to encourage graceful overflow into dam, grassed areas and natural channels beyond, in the direction of Blaxland Creek..
  - At Orchard Hills , south of Lansdowne Rd., prior to Christmas shutdown, Southern most sediment fence requires repairs and reinstatement in place.
  - At Aerotropolis, in the DSI moderate risk area where soil stripping works are underway, prior to Christmas shutdown, disturbance and soil loss calculations should be done for the catchment to determine what retention capacity and what additional contingency measures are required. Particularly important given the risk of disturbance of PFAS impacted materials and partitioning behaviour in water.







St Marys - View east from Station street at former Station Plaza.



Claremont Meadows – View west along Putland Rd of WTP connection works to Sydney Water infrastructure

Claremont Meadows view south - Construction of carpark completed.



Claremont Meadows view west – Shaft Capping Beam and upstand completed ready for bulk excavation



Bringelly Services Facility view north west-. Sed. Basin and swales require lining to prevent scour



Bringelly Services Facility – View south west of completed shaft pilling break-back and blinding



Aerotropolis : View north of surface soil stripping and asbestos removal in DSI moderate risk areas.



Aerotropolis : View south west from compound od DSI low risk area pilling works.

# **Endorsed Document/s**

No documents were endorsed by the ER.

The following documents were provided for information:

- Claremont Meadows DNVIS
- Bringelly DNVIS

# Complaints / Incidents / Non-compliance

Nil Non-compliances were identified by or reported to the ER this period. Nil incidents of note were reported to the ER this period.

Six (4) complaints were reported to the ER, three (3) of which were not related to the project:

- 5/12/2022 Resident complained about dust generated on a previous date(date is not provided in register).. CPBG investigated with SM and M12 and concluded that no works had been conducted by SM on the date provided by the resident.
- 9/12/2022 Complaint regarding river on mobile phone and concerns of the state of Derwent road. CPBG thanked stakeholder for feedback. Informed stakeholder that driver behaviour will be addressed and actioned through the appropriate site teams and contractors., and Derwent road condition through Sydney Metro. Register does not provide actions taken or proposed by SM in relation to condition of Derwent rd.
- 11/12/2022 Stakeholder complained regarding not being notified of works on Lansdowne Road on 30/11/2022.
   CPG investigated and concluded that the works were Sydney Water works not associated with SBT works.
- 15/12/2022 Complaint by stakeholder claiming property damage due to tunnelling works. CPBG Informed stakeholder SBT have not commenced tunnelling. Informed stakeholder of property location/tunnel alignment and general project overview.

# Audits (specific to packages reported in this report)

No audits were conducted during the reporting period.

## Looking Forward – Core Focus Areas

Compliance with CoA E128

**ER Closing Comments:** Although the number of complaints has reduced markedly, **E**nvironmental performance in relation to ERSED control continues to require greater consideration and action, including revision and implementation of Erosion and Sediment Control plans. Project needs to improve responsiveness to ER requests for Erosion and Sediment Control Plans, and planning of ER inspections to ensure the ER is provided access to areas requested with safety concerns resolved internally prior to inspections.

Contract Package	Environmental Representative/s	
Sydney Metro - Western Sydney Airport	Aloy Colo (Pui Honrigues	
Surface and Civil Alignment Works (SCAW)	Alex Gale/Rui Henriques	
Key Construction Activities During the Period		

- Patons Lane:
  - o Works continue on the all-weather access track from Patons Lane to the SMF
  - Site sheds have been installed and the compound is functional
  - Sandstone is being brought into the haul road and stockpiled
  - Diversion drains have been cut around the perimeter of the site compound
- Stabling and Maintenance Facility (SMF) Orchard Hills:
  - Topsoil is being stripped and stockpiled
  - $\circ$  ~ The 12 ML basin is being constructed at the northern end of the SMF
  - $\circ$   $\,$   $\,$  Material is being stockpiled in stockpile one and two of the SMF  $\,$
  - Additional clearing was undertaken under the supervision of the project ecologist
- Celestino Property 567 to 609 Luddenham Rd

# • Geotechnical investigations continued

- Elizabeth Drive:
  - Site sheds are being delivered and installed
  - The dam ins AEC 42 has been dewatered and excavated
  - Additional access tracks are being constructed

# Key Construction Activities Look Ahead

- Patons Lane:
  - $\circ$  The main entry / exit point will be established following clearing of additional trees
  - Sandstone will continue to be brought to this part of the project
  - o The haul roads will continue to be constructed
  - o Diversion drains will be formalised with scour protection added at concentrated flow paths
  - Temporary cross drainage options adjacent to Patons Lane will be further investigated

# SMF:

- Site won material will continue to be stockpiled at the SMF
- Top soil stripping of the SMF
- The main 12ML sediment basin will be constructed
- Drainage controls will be installed directing site water to the sediment basin
- Material will continue to be stockpiled in stockpile areas 1 and 2
- Celestino Property:
  - o Geotechnical investigations will continue at the Celestino property
- Elizabeth Drive:
  - Earthworks continue for the haul roads
  - The site compound will be completed
  - Access tracks will be continued to be constructed to the northern end of the project
  - Drainage lines will continue to be constructed
  - Topsoil and seed will be applied to long term bunds and windrows

# **ER Inspections**

There were two ER Inspections in December 2022 (ER inspections are on a fortnightly cycle weather and health permitting).

- 01/12/2022 (By Mr Alex Gale) Key points/ issues raised during this inspection were as follows:
  - Completion and connection of erosion and sediment controls was critical due to the high environmental risk of earthworks, examples were observed at both Patons Lane and Elizabeth Drive compound areas that required additional work to complete controls to Blue Book standards
  - $\circ$   $\,$  An unbunded fuel container was observed in the dewatered dam in AEC 42  $\,$
  - The topsoil stockpile at Elizabeth Drive compound site is taller than the 2 metres recommended in the Blue Book
  - Minor amounts of litter and metal was observed across the site. Appropriate bins were needed to be provided to ensure housekeeping is kept at a high standard.
- ER 15/12/2022 (By Mr Alex Gale) Key points/ issues raised during this inspection were as follows:
  - o Pegging down and keying in of geofabric needed to occur at several locations at Patons Lane and Elizabeth Drive
  - There was an example of stockpiled material outside of the stockpile areas identified on the Environmental Control Maps (ECM) at Elizabeth Drive
  - $\circ$   $\;$  Litter at the Elizabeth Drive parking area needed to be cleaned up
  - o The topsoil stockpile should be used ASAP to minimise impact to the microbial biota.

HBI



Leaders in Environmental Consulting



**Endorsed Document/s** 

The following documents were endorsed by the ER:

Nil this period

The following documents were provided for information or reviewed:

- Western Sydney Airport Metro SCAW Project Pre-clearing Inspections of the Stabling and Maintenance Facility. AMBS Ecology & Heritage 2022.
- Out-of-hours work application form (002) Elizabeth Drive Out of Hours Oversized Deliveries

#### Complaints / Incidents / Non-compliance

Two (2) complaints were reported to the ER during the period:

- 6/12/22 Resident from 46D Samuel Marsden Road, Orchard Hills, had concerns relating to dust and noise from the earthworks for the Stabling and Maintenance Facility. Stakeholder was offered and accepted real time noise and dust monitoring. Monitoring will measure the acceptable limits for standard construction day time hours. CPBUI made regular contact with the stakeholder to follow up on effectiveness of controls and monitoring.
- I7/12/22 Resident from 46D Samuel Marsden Road, Orchard Hills, complaint regarding dust experienced on their property. Resident was upset at what they claimed was a lack of mitigation from the project. Site supervisor restricted the work for the day in response to the complaint. CPBUI Informed resident that the onsite team will be contacted to mitigate their impacts. Informed resident that they will be provided with results from the noise and dust monitor when available. EPA Officer was informed by CPBUI that in response to the complaint the project team had lessened their work and moved farther south of the property. CPBUI indicated that the dust monitor at the house on the property and at the Stabling and Maintenance Facility showed the project is complying with approvals.

Nil incidents were reported to the ER during the period Nil non-compliances were reported to the ER during the period

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

No audits were conducted during the reporting period.

## Looking Forward – Core Focus Areas

Erosion and sediment controls remain a key mitigation measure based on the current risk of the earthworks phase. DSIs have been progressing and the project is following a schedule to ensure timeframes are adhered to.

**ER Closing Comments:** The project has been responsive to the ER's comments and requests made during the fortnightly inspections. The two complaints received regarding dust and noise from the SMF will require follow up with the stakeholder to assess ongoing concerns or impacts.

#### **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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Hugh Chapman Director Sustainability Environment & Planning SMWSA Sydney Metro Transport for NSW PO Box K659 HAYMARKET NSW 1240 22 December 2022

Ref: 201209(a)\_SEMP\_R1

Dear Hugh

# RE: Endorsement of the Sydney Metro Western Sydney Airport, Site Establishment Management Plan Advanced and Enabling Works, SSTOM Project Office (SPO)

Thank you for providing the Sydney Metro Western Sydney Airport, Site Establishment Management Plan Advanced and Enabling Works, SSTOM Project Office (SPO) (Rev 1), dated 21 December 2022 (the SEMP) for Environmental Representative (ER) review and endorsement, as required by Conditions of Approval A18, A19 and A20 of the Sydney Metro Western Sydney Airport project approval (SSI 10051 July 23, 2021):

It is noted that:

- Previous versions of the document have been reviewed and updated following comments from the ER.
- Sydney Metro have also reviewed and commented on the document.
- Evidence of consultation records has been provided to the ER in the SEMP.
- Following the above reviews, the document is considered to contain the information and consultation required.

Accordingly, as an approved ER for the Sydney Metro Western Sydney Airport project, I now consider the SEMP consistent with the requirements in or under the Infrastructure Approval and the undertakings made in the documents listed in Condition A1.

Yours sincerely

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Alex Gale Environmental Representative – Sydney Metro Western Sydney Airport