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7 April 2024 Ref:201209-ER_DPHI-March 2024

Department of Planning, Housing and Infrastructure Locked Bag 5022 PARRAMATTA NSW 2124

Dear

RE: Sydney Metro - Sydney Metro Western Sydney Airport SSI 10051 – ER Monthly Report for March 2024

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 March 2024.

Yours sincerely

Environmental Representative

Cc: Sydney Metro:

DPHI: Major Projects Portal

Enclosed: ER Endorsement of AEW FSM CEMP R02 150324

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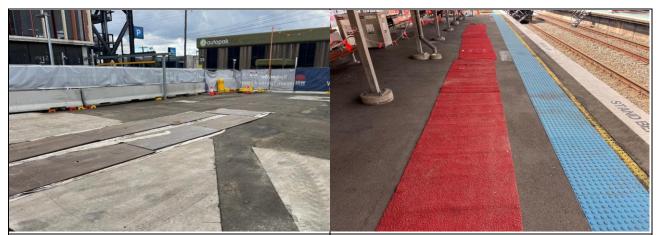
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1. Advanced and Enabling Works (AEW)

Contra	act Package	Environmental Representative/s
Advanced and Enabling Works (AEW)		
Key Co	onstruction Activities During the Perio	d
St	Marys Footbridge (FSM):	
0	Piling commenced and continued on	platforms
0	Lifting and installation of the new ov	verhead wiring structures
0	Load out of pile spoil	
(ey Co	onstruction Activities Look Ahead	
he Co	onstruction activities planned for the up	pcoming period for the Advanced Enabling Works (AEW)
ompr	ise of:	
st	Name Frankriden	
	Marys Footbridge:	
0	Continuation of piling works Material loadout	
0		
0	Planning for weekend 44 works	
R Insp	pections	
	Tracking risks were managed throug pathway A focus on containing spoil and turbi	uring this inspection were as follows: re undertaken with a high level of diligence h covering broken asphalt and providing a carpeted walking id water resulted works being undertaken with minimal
)h at a a	environmental risk	
hotos	s rys Footbridge	

Compound - The crane lifting the new overhead wiring structure from the compound to the platform.

Compound - A galvanised fence has been placed between the footpath and the garden bed, protecting the plants and side of the building



Compound - Temporary road plates have been placed over the cracked pavement to reduce mud tracking until the permanent solution is constructed.

Platform - A red carpet has been provided to identify the walkways and reduce the amount of mud tracked by foot traffic.



Platform - Pile spoil is temporarily stored on the platform prior to being loaded out.

Platform - Geofabric is placed on the ballast to capture any material spillage and reduce the risk of ballast becoming fouled.



Platform - A vac truck was used for NDD tasks, minimising turbid water spillage risk. Endorsed Document/s **Platform -** The piling rig is stored in a relatively clean condition.

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

 Western Sydney Airport Advanced and Enabling Works, Footbridge St Marys Construction Environment Management Plan 13/03/24 (rev 2). Endorsed on 15/03/24

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

 Out-of-hours work application form- SM-WSA Weekend 38 (WE38), 16 – 18 March 2024 Footbridge St Marys- Site Early Works 06/03/24 (rev 2)

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 (IEA) - RFI received and responded to by the project.

Looking Forward – Core Focus Areas

Works occurred over weekend 38 (16 and 17 March 2024). The works were well planned and executed with no environmental incidents or monitoring exceedances. The FSM delivery contractor is now planning for the next possession over weekend 44 (27 and 28 April 2024). The main risks that the ER has requested the contractor plan for, amongst all aspects in the CEMP, include:

- Mud tracking,
- Heavy vehicle routes,
- Out of hours noise, and
- Spoil management.

ER Closing Comments:

Project leadership and commitment remains to be effective and this was clearly demonstrated during weekend 38. The ER intends to continue an oversight of the planning works for weekend 44.

2. Station Boxes and Tunnelling (SBT)

Cor	tract Package		Environmental Representative/s
Station Boxes and Tunnelling (SBT)			
۲ey	Construction A	ctivities During the Period	
	St Marys:		
	• No SBT acti	ivities this period	
•	Claremont Mea	dows Services Facility:	
	• Water treat	tment plant operating.	
		asins operational.	
		TBM support blocks for St Marys TBM	
	-	surplus construction materials from oth	er northern sites
		age spoil removal	
	 Tunnel segr Hours 	ment transfer from Orchard Hills and cr	anage to shaft during Standard Construction
-	Orchard Hills:		
	 Spoil and to 	opsoil storage.	
	• Operation a	and maintenance of ERSED controls.	
	 Pre-cast tur 	nnel segment storage in the north.	
	o TBMs tunne	elling progressed into The Kingsway par	klands at St Marys
	o Tunnel segr	ment delivery	
	• Processing	and storage of tunnel spoil.	
	-	il haulage offsite	
	 Grout plant 	-	
	•	tment plant operation and disposal to t	rade waste at Claremont Meadows.
-	Aerotropolis:		
	• No SBT acti	vities this period	
-	Bringelly Service	es Facility:	
	• Water treat	tment plant Operation	
	 Storage of s 	surplus construction materials from oth	er southern sites.
	o Installation	of support blocks and structure for TBI	M traverse
	o TBMs Eileer	n and Peggy traverse complete.	
			re removal and installation of ventilation and
	spoil conve		
-	Key Constructio	on Activities Look Ahead	
•	St Marys:		
	•	•	rane and re-establishment to western end of
		commencing early April.	
	 SBT activitie 	es (TBM retrieval) anticipated to comm	ence early May 2024
•	Claremont Mea	dows Services Facility:	
	o Continue er	rosion and sediment controls operation	and maintenance.
	<u> </u>		• •

• Continue Water Treatment Plant operation and maintenance.

- Storage of surplus construction materials from other northern sites.
- Commencement of tunnelling support activities, including concrete deliveries outside Construction Hours.
- Orchard Hills:
 - Activities anticipated for the upcoming period are generally consistent with those for this period.
- Aerotropolis:
 - Preparatory activities for installation of retrieval crane and re-establishment to northern areas of station box commencing early April.
 - \circ $\;$ SBT activities (TBM retrieval) anticipated to resume May 2024 $\;$
- Bringelly Services Facility:
 - Continue Erosion sediment controls operation and maintenance.
 - Operation of WTP.
 - Tunnelling support activities (concrete deliveries and cross passage spoil) currently under assessment as part of a Consistency Assessment / Environmental Review.

ER Inspections

There were two (2) ER Inspections conducted on 14/3/24 and 25/3/24 by Mr Key points/ issues raised during the inspections were as follows:

- Sites were generally well managed with maintenance of and adjustments to erosion and sediment controls ongoing at the sites.
- The good condition of the Orchard Hills internal haul road and of Kent Rd from the SBT HV access was being maintained and tracking was negligible.
- At Orchard Hills TBM potable water supply pipe was noted to have developed a minor leak at a joint. on concrete hardstand with a gradient towards the site holding sumps. CPBG to endeavour to rectify the leak during TBM Easter maintenance pause to save water.
- At Orchard Hills CPBG to empty southern water holding sumps and ensure that adequate capacity is maintained to receive and hold sediment loaded stormwater from upgradient areas during unpredictable weather events.
- At Claremont Meadows Condition of internal roads is good, with negligible tracking noted from HV access gate at Gipps Rd.
- At Bringelly CPBG to orient absorptive surface of southern elevation of noise blanket structure towards works.

ER inspections are on a fortnightly cycle. Inspections of St Marys and Aerotropolis to resume early April. **Photos**





TBM support blocks for St Marys TBM retrieval.

southern site access onto Gipps Road.

Leaders in Environmental Consulting



Bringelly Facility view southwest – CPBG to orient absorptive surface of noise blankets towards works.

Bringelly facility - Installation of tunnel ventilation and spoil conveyor boosters.

Endorsed Document/s

The following documents were endorsed/approved by the ER:

• Nil this period.

The following documents were provided for information or review as applicable:

- February Monthly Monitoring Reports comprising Dust (real-time), Noise and Surface Water.
- Detailed Noise and Vibration Impact Statement Addendum Claremont Meadows (Rev 3.0), Revised Methodology letter (Renzo Tonin 20 March 2024) assessing the noise impacts from the proposed out-of-hours (OOH) TBM support works with revised plant and associated noise mitigation methodology.

Complaints / Incidents / Non-compliance

No Non-compliances with the Approval were raised by or reported to the ER this period. There were no incidents of note identified by or reported to the ER this period.

Seven (7) complaints were reported to the ER. One related to property damage at Bringelly due vibration Six (6) related to tunnelling and Orchard Hills. Of the six, three related to cumulative air quality and hv movement /noise cumulative impacts and drainage along the council managed side of Kent Road, one related to tunnelling (TBM) noise, one related to worker/driver behaviour, and one related to alleged tracking/spill from spoil haulage vehicles near Penrith Lakes disposal site.

The complaints above are under investigation or review by Sydney Metro and CPBG, as detailed in the register.

Audits (specific to packages reported in this report)

Independent Environmental Audit (IEA) - RFI received and responded to by the project.

Looking Forward – Core Focus Areas

Risks now relate to upcoming tunnel support activities at Claremont Meadows and Bringelly, and OOH and Cumulative impacts with SSTOM activities at St Marys. Of note are:

- management of delivery/haulage vehicles and attendant cumulative impacts as SCAW activities off Lansdowne Rd are ongoing and SSTOM activities ramp-up; and
- OOH noise management at Claremont Meadows for concrete pumping and tunnel segment cranage into service shaft.
- Diesel powered tower crane erection and subsequent use at St Marys.

ER Closing Comments:

The contractor continues to be receptive to ER requests for improvements and proactive in planning of works to limit environmental impacts.

3. Surface and Civil Alignment Works (SCAW)

Со	ntract Package	Environmental Representative/s				
	rface and Civil Alignment Works (SCAW)					
 Key Construction Activities During the Period Patons Lane 						
	 Sandstone import over northern tributary 	stream culvert				
	 Weed spraying continuing 					
	 Northern tributary culvert and fauna cross 	ing construction complete				
	 Sandstone fill placement over the top of th 					
	 Preparation for installation of segments or 					
	SMF					
	 Drainage works from SSTOM to SCAW 					
	 PS105 asbestos encapsulation is complete 					
	 Additional unsuitable material is being add 					
	Defence Land					
	 Additional clearing complete 					
	 Fauna crossing complete 					
	 Viaduct segments are being placed on site 	for installation				
	 All ACM has been removed to PS105 					
	Luddenham Station					
		it is complete except for the wearing course				
	 Construction of Luddenham Rd roundabout is complete except for the wearing course Structural station works continue. 					
	Luddenham Road South					
	 Placement of viaduct segments is complet 	e with parapet walls being installed				
	 Ongoing earthworks 					
-	M12 to Cosgrove's Creek					
	 Sandstone is being used to build the formation 	ation				
	 Gantry is being disassembled from this are 					
-	Elizabeth Drive					
	 Sandstone delivery is complete south of El 	izabeth Drive				
	 Drainage arrangements are being develop 					
		5				
Ke	y Construction Activities Look Ahead					
•	Patons Lane:					
	 Rehabilitation works will continue along the 	ne alignment				
	 Sandstone import ongoing 					
	• Fill activities and detailed earthworks					
•	Stabling and Maintenance Facility (SMF) Orcha					
	• Structures works will continue at Blaxland					
	 Culvert and fauna crossing works completi 	-				
_	 Unsuitable material will be added to the constraints 	ontainment cell at PS105				
•	Defence Land:					

- Drainage and finishing works ongoing
- o Sandstone filling and compaction will continue
- Viaduct segment placement will commence
- Luddenham Station:
 - Wearing course of the roundabout is all that remains
- Luddenham Road South:
 - Precast parapets for the viaduct will continue to be installed
 - o Drainage and stabilisation works will continue
- M12 to Cosgroves Creek:
 - Viaduct finishing works to continue across Cosgrove's Creek
 - Finishing earthworks to continue
 - Construction of the 30 ML basin continues which will ultimately be a flood mitigation basin.
- Elizabeth Drive:
 - Discussions with M12 are ongoing and the CPBUI steering committee will present drainage options to Sydney Metro
 - o Permanent alignment drainage works ongoing

ER Inspections

There were two (2) ER Inspections on 7th and 21st March 2024:

Key points/ issues raised during these inspections were as follows:

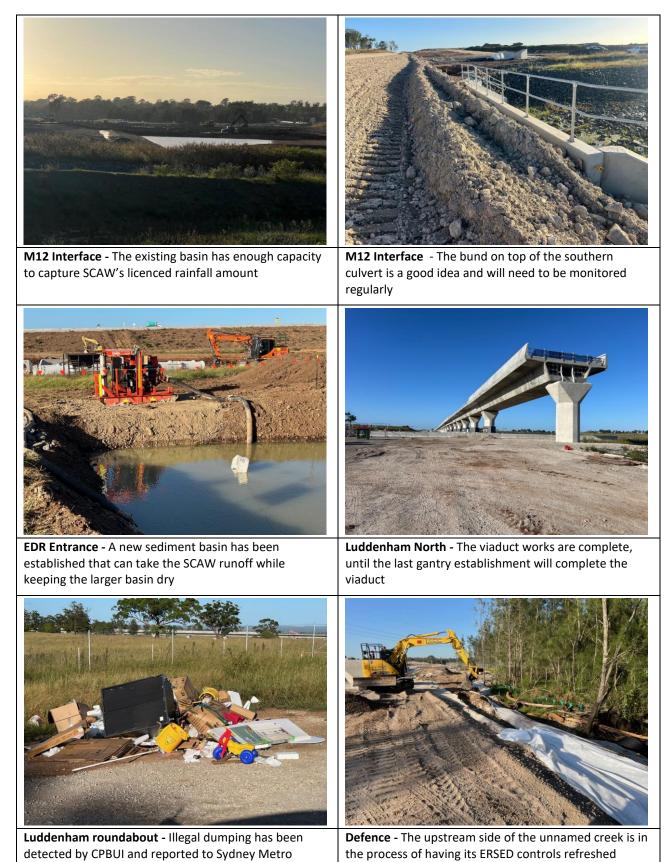
- The interface between SCAW and M12 is progressing well, the CPB steering committee is considering different options to resolve the issue and will propose these to Sydney Metro
- ERSED controls were of a good standard and were being revised during the inspection
- The site was tidy with housekeeping being of a high standard
- Viaduct works have progressed well with reuse and disposal facilities being used and maintained
- Many of the permanent drainage structures have been lined with jute mat and sprayed with hydromulch which is starting to germinate
- Lansdowne Rd now has a full time street sweeper and dust is minimised through cleaning the internal sealed haul road

ER inspections are on a fortnightly cycle weather and health permitting.

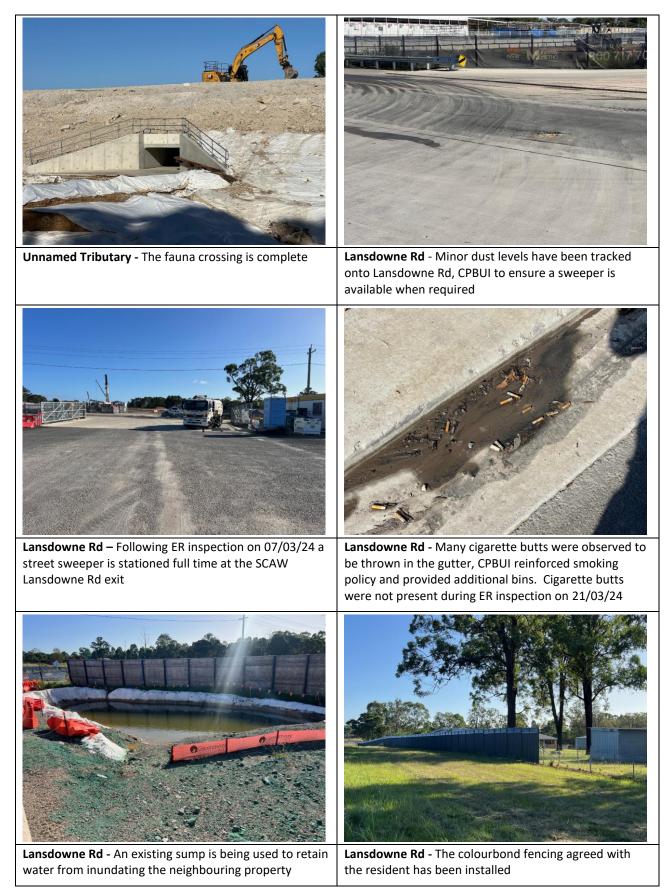
Photos

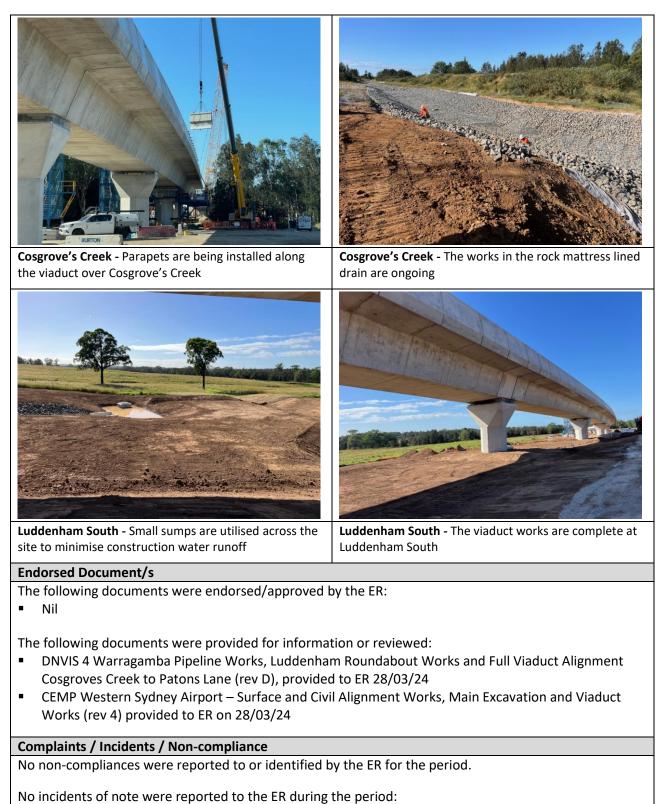


be handled









One (1) complaint was reported to the ER during the period. A stakeholder reported a heavy vehicle driver not adhering to the road rules resulting in a near miss collision. The SCAW heavy vehicle manager and community place manager were able to identify the registration and driver and discussed this incident with the driver's employer. A toolbox talk was also provided to all heavy vehicle drivers.

Audits (specific to packages reported in this report)

Independent Environmental Audit (IEA) - RFI received and responded to by the project.

Looking Forward – Core Focus Areas

Discussions between SCAW and M12 have continued on a weekly basis and a resolution to accepting M12 construction water to the SCAW site is being progressed by the CPBUI steering committee. The ER has been pleased with the diligence of the CPBUI team which has seen actions raised during the ER inspections being closed out earlier than the agreed timeframes. As the gantry is moved to different sections of the viaduct, out of hours operations and site setup will become a focus point.

ER Closing Comments: Establishing an integrated approach towards developing ERSED plans accounting for contractor interfaces will become important as the project moves towards completion. The SCAW project has engaged their CPESC to revise their ERSED plans. The positive attitude towards accepting actions from ER inspections and achieving faster closeout times than agreed is very encouraging.

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

Contr	act Package	Environmental Representative/s
Statio	ons, Systems, Trains, Operations and	
Maint	tenance Package (SSTOM).	
	construction Activities During the Period	
St	t Mary's Station (STM):	
0	Portion handed back to SBT for TBM retrieva	1
0		ndation works for base slabs including steel fixing.
0	Production piling completed	
0	Pile break back continued	
• 0	rchard Hills Station (ORH):	
0	Site establishment works continued	
0	Production piling commenced	
0		int commenced
■ St	tabling and Maintenance Facility (SMF):	
0		vehicle car park ongoing
0		
0		
0		
C		-
■ Lu	uddenham Station (LUD):	
0	Removal of redundant drainage completed a	nd addition of drainage controls ongoing
• A	erotropolis Core (AEC):	
0	Site establishment works continued	
0	Site traffic route alignment ongoing, LV car p	ark completed
0	Piling ongoing	
0	Portion handed back to SBT for TBM retrieva	I
Kev C	onstruction Activities Look Ahead	
	t Mary's Station:	
0	Waterproofing and crane pad installation to	commence.
0	Tower crane erection to occur	
0	Piling Rig noise monitoring to occur during th	ne off-hire process.
• 0	rchard Hills Station:	
0	Box sump and drainage works to commence.	
0		
0	Piling to continue	
0		m SCAW to SSTOM
 St 	tabling and Maintenance Facility:	
0		
0	Ongoing importation of material to continue	

• Ongoing importation of material to continue.

- Connection of 132kv power to commence. Potentially early handover.
- Additional area for stockpiling. (SCAW handover to SSTOM)
- Luddenham Station
 - Piling to commence (~100 piles)
 - Car park extended and resurfaced
- Aerotropolis Core:
 - Site establishment works
 - \circ $\;$ Realignment of drains and reapplication of hydro-mulch
 - o Potential for additional piling rig to be mobilised
 - Tower crane to be constructed

ER Inspections

There were two ER Inspections, on 12 and 26 March 2024.

Key points/ issues raised during these inspections were as follows:

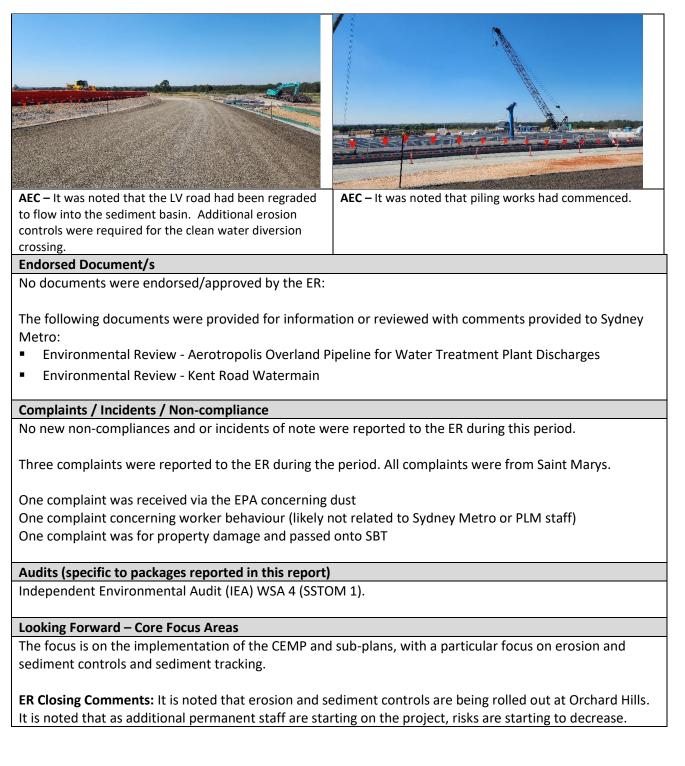
- Sites were generally managed well with minimal sediment tracking observed from the Orchard Hills Concrete batch plant and minor tracking at Saint Mary's (noting that the wheel wash was deactivated)
- Weed maintenance continued to be raised across all sites as an action. Onboarding of a weed contractor remained an open action.
- Minor maintenance of onsite erosion and sediment controls is an ongoing requirement for Park life, noting rain events throughout the month.
- Orchard Hills –installation of internal erosion and sediment controls had commenced, noting that the reshaping of the western batter had commenced for the extension of the crane haul road
- Luddenham The crossing of the swale had additional erosion controls installed and the site team had engineered a solution to remove the earth bund and will install a shipping container bridge (good outcome).
- Aerotropolis Core The LV haul road had been reshaped after discussions with the CPESC to redirect site water to the sediment basin, instead of through sediment fences adjacent to the clean water diversion.
- Aerotropolis Core –Additional ERSED controls were required for the haul road crossing of the clean water swale.



when raised as a site action by the ER.

Leaders in Environmental Consulting





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 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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15 March 2024

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

Ref: 201209_Footbridge St Marys CEMP_Rev02

Dear

RE: Endorsement of the Sydney Metro Western Sydney Airport, Advanced and Enabling Works, Footbridge St Marys Construction Environmental Management Plan, Rev 02

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 02 dated 13/03/2024 (CEMP Rev 02).

As an approved ER for the Sydney Metro Western Sydney Airport project, I have reviewed the following proposed minor amendments in the CEMP Rev 02:

- All sections including definitions Changed DPIE/DPE to DPHI
- General General corrections including typographical errors and expression
- Attachment M Updated to include all Minor Ancillary Facilities
- Attachment O Updated to reflect the current state of compliance
- Attachment P Included a Water Reuse Strategy.

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

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 02.

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

Yours sincerely

Alla Sal

Environmental Representative – Sydney Metro Western Sydney Airport