

Barings – Access Estate

BURTONS Contractors

Erosion and Sediment Inspection Report
 Inspection Date: 14 February 2025

Attendees:

- Bradley Cole
- Mustafa Ak
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CPESC Auditor: Bradley Cole (CPESC #7645)

Signature: 

Instructions:

- Where an item is not applicable, N/A is to be placed in the comments box.
- Where a non-conformance is identified, a brief explanation is to be provided in the comments box.
- The completed checklist and details of any corrective are to be provided to the Environment Manager for action and rectification timeframes agreed.

☒ **Project ESCP cited**

Requirement / Aspect	Yes/ No (Y/N)	Comment
General		
Were previous audit actions closed out in agreed timeframes?	Y	No outstanding actions from the previous January site inspections remain open.
Has an approved ESCP been prepared for the work area?	Y	ESCP for the development has been prepared and implemented. Minor updates for progress of works are to be undertaken with progression of works.
Are construction permits and approvals in place?	Y	Works are undertaken in accordance with approval.
Are basin / discharge records recorded and available?	Y	Basins are constructed with discharge from one large event undertaken during the month.
Are internal / self-assessments being undertaken and documented?	Y	Burttons Contractors personnel undertake internal assessments.
Are weather records / monitoring being undertaken and recorded?	Y	Site weather records are maintained from local weather station (Horsley Park AWS).
Is the relevant monitoring being undertaken?	Y	Site monitoring in accordance with the CEMP is being undertaken.
Is the site generally tidy and well organised?	Y	Minimal waste / rubbish and initial Lot 2 earthworks has commenced.
Is disturbance being minimised?	Y	The site is established under the current works staging with the commencement of earthworks on Lot 2. ESC elements are installed and operating effectively.
Is all work (including storage and stockpiling) within the identified project boundary?	Y	All works are contained within the Project boundary.

Requirement / Aspect	Yes/ No (Y/N)	Comment
Erosion and Sediment Controls		
Are measures installed as per ESCP?	Y	The site has controls implemented as per the ESCP.
Are measures installed correctly (i.e. sizing, effective)?	Y	Controls are implemented to accommodate site conditions.
Are entry / exit controls in place and effective?	Y	Site entry is stable with aggregate entry and access road from the Mirvac road side. Some improvement are proposed for chip sealing and altered drainage in the vicinity of the access to improve operation.
Are offsite water diversions in place?	Y	The site is largely bound by external drainage swales / berms for the management of off site water as per the ESCP.
Are drains functional (unblocked, connected)?	Y	Drains were in place and effective.
Are controls maintained (i.e. sediment accumulation, wear and tear, consistent with work progression)?	Y	Controls are established and maintained.
Is sediment fence installed correctly and intact?	Y	Sediment fence installation is trenched in an effective.
Are traps installed appropriately and maintained (i.e. free of sediment accumulation)?	Y	Check controls are installed along the internal drainage areas for sediment traps.
Is dirty water collected in appropriate locations for management?	Y	Water from recent rainfall events is contained in site sediment basins and detention ponds / former farm dams. Water is to be transferred to the sediment basin for management / treatment.
Basins		
Are basins installed as per ESCP?	Y	Basins are installed for active work areas with additional retention areas for the former dam locations.
Are appropriate identification / markers present at basin locations?	N/A	No markers in basins. Type B basins implemented
Are basins walls and inlets stable and operational?	Y	Basin walls are stable and fabric covered.
Are spillways stable and operational?	Y	Basins are operational and constructed as per Type B basin standard design
Do basins currently hold water?	Y	Basins currently hold water from transfer events. Basins are being actively managed and reviewed for operation.
Has rainfall occurred in past 5 days? (10 days for operational sediment basin)	Y	97.4mm of rainfall has occurred in the preceding 5 days – (Horsley Park AWS)
Has any overflow occurred?	N	No basin overflow has occurred from Basin AB2. Basin is at capacity following rainfall. The smaller sump adjacent to the access was noted to overtop in the extreme event received on 11 February.
Has water been treated/tested?	Y	Basin auto dosing units are in place and operating.
Are sediment levels below 60% of allowable levels?	Y	Basins are constructed and have retained sediment in the forebay as per the basin design. Floc stations are operational.

Requirement / Aspect	Yes/ No (Y/N)	Comment
Has sediment removal occurred? And has sediment been appropriately managed?	N	Basins are constructed and sediment removal has not been undertaken this month.

GENERAL SITE CONDITION NOTE

The ESC inspection undertaken on the Barings Access Estate Site reviewed the progression of earthworks associated with Lot 2 and the maintenance of erosion and sediment controls under the occupation of Burtons Contractors for the month of February.

A review of all site activity including the implementation of catch drains, earthworks activities associated with the Lot 2 area and the operation of the AB2 basin. A review of the access areas and the current, and proposed erosion and sediment controls were assessed for effective operation and planning.

The review of the access to the site has recommended some minor improvements to the entry with application of the chip seal and the implementation of diversion berms and additional shut down checks(as required). The access has implemented crushed aggregates and a shaker grid for management of tracking and has a sediment basin adjacent to the roadway for runoff management and containment of site flows.

Dust and water management on site are performing well with minimal visible dust observed from heavy vehicle movements and the water cart in operation. Loal drainage swales are installed with check controls for water transfer and are working effectively in the transfer of site water.

Earthworks for Lot 2 have increase elevations to facilitate the runoff entry to the Basin AB2 decreasing the dependence on the sump arrangements. The Mamre Road section has retained water from recent rainfall events with the berm being effective in holding the runoff from the Lot 2 batter areas.

The site as a whole has retained water in depression and basins performing above design requirements for the event received. Water from these areas is to be transferred to Basin AB2 once dewatering allows capacity.

The basin adjacent to the access was noted to overtop in the recent rainfall event due to exceedance of design criteria and additional measures (including increasing capacity) were implemented during eh event, demonstrating a proactive approach from the site.



The site is very tidy and organized and is well presented with designated access routes and signage. Controls are maintained and appear effective. The site is forecasting the continuation of earthworks for Lot 2 and progression of site activity to design.

The installed controls are working well for effective sedimentation control with minor alterations proposed for the progression of fill activities.


The following corrective actions have been identified during the inspection. Actions are to be closed out in the agreed timeframe and evidence documenting the close out of the actions provided to the auditor for verification.

Timeframe reference: L – Low (7 days), M – Medium (3 days), H – High (1 day), I – Immediate

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
<p>REC-001</p> <p>Recommendation</p> <p>Water in Basin AB2 appears discolored in the main bay which his likely due to flow rate from the extreme rainfall event. The second bay should be treated and dewatered to restore the clean water area.</p> <p>Water captured in site berms can be transferred through e basin following AB2 dewatering</p>		L		
<p>REC-002</p> <p>Recommendation</p> <p>The access road was identified as a potential tracking and runoff concern. The application of chip seal to reduce risk is recommended.</p>		L		

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
OB-001 Observation Earthen berms are implemented around active work areas and fill zones to segment the site catchment areas.		N/A		
OB-002 Observation Internal depressions are used for additional water retention on site and to manage extreme events without overloading the basins.		N/A		

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
OB-003 Observation Water from recent rainfall events is held behind berms and is to be transferred to a treatment area.		N/A		
OB-004 Observation The basin adjacent to the access road is at capacity. During the rainfall event previous to this inspection, additional capacity was created in the basin through deposit of additional material.		N/A		

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
OB-004 Observation Topsoil processing is being undertaken in the north western portion of the site.		N/A		

The below section is to be completed by the Environment Manger / Site Construction Manager following completion of the identified actions.

I certify that all identified actions have been addressed and closed out in the agreed timeframe as documented above.

Name:	
Signature:	
Date:	