Barings – Access Estate
BURTONS Contractors

Erosion and Sediment Inspection Report
Inspection Date: 18 December 2024

Attendees:

- Bradley Cole
- Mustafa Ak
- Valerie Lim

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 November 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?	N/A	Basins are constructed with no discharge from site undertaken during the month.
Are internal / self-assessments being undertaken and documented?	Y	Burtons 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 drainage works commenced. The site is being established under the current works staging.
Is disturbance being minimised?	Y	The site is established under the current works staging with the commencement of earthworks. ESC elements are installed and operating.
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 is established under the current works staging. With 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.
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?	N/A	No dirty water is retained on the site with minimal rainfall and the commencement of the establishment of the site under the current staging of works.
Basins		
Are basins installed as per ESCP?	Y	Basins are installed for active work areas with additional sumps installed for effective transfer of water as per formal correspondence during the month.
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	6.4mm of rainfall has occurred in the preceding 5 days – (Horsley Park AWS)
Has any overflow occurred?	N	No basin overflow has occurred.
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 newly constructed and have no sediment.
Has sediment removal occurred? And has sediment been appropriately managed?	N	Basins are newly 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 December. The inspection also reviewed the site in preparation of the Christmas shutdown period for the consideration of additional measures to be implemented. A review of all site activity including the implementation of catch drains, dewatering and desilting of the farm dam and operation of the AB2 basin as detailed in the approved erosion and sediment control plan for the Project to ensure effective control implementation and to offer potential modifications to the existing ESC measures for improved management and effective construction practices. The access to the site has altered to the northern entry location now that earthworks have altered elevations to allow for vehicle passage removing the access for Mamre Road thereby improving vehicle safety. The works undertaken for the Project include the establishment of boundary controls, access areas and basin implementation to facilitate the earthworks for Lot 2 and the decommissioning of the former farm dam. Dust and water management on site are performing well with minimal visible dust observed and drainage swales installed with check controls for water transfer were installed effectively. Water carts were operating during the inspection with a focus on active work areas a haul routes. The earthworks for Lot 2 have increase elevations to facilitate the runoff entry to the Basin AB2 decreasing the dependence on the sump arrangement. 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 Christmas shutdown.

Temporary Shut Down Verification

Temporary site shutdown is based on site-specific risks and requirements with stabilization and security actions required for implementation and verification prior to shutdown. A summary of the typical actions identified for the project is provided below. These items are to be verified prior to vacating the site to ensure environmental risks have been addressed.

Site compound

- Review and maintain perimeter controls such as bunding around the compound and construction footprint.
- Check and ensure project fencing is intact.
- Review current public signage at the site to ensure relevant contact information is available.

Erosion and sediment control

- Verify erosion and sediment controls are in place and compliant with the site-specific Erosion and Sediment Control Plan.
- Check all erosion and sediment controls and carry out any necessary maintenance to ensure they are operating effectively and have sufficient storage capacity.
- Ensure each sediment control device is designed and installed to allow for overtopping during large rain events.
- Treat and dewater all basins and sumps to allow for maximum capacity.
- Review clean water diversions and their capacity to operate for extended periods without intervention.
- Treat or cover any exposed earthworks, access tracks and stockpiles with a suitable product (such as mulch, geofabric or a soil binder) to minimise erosion risk.
- Locate stockpiled materials away from boundaries.

Housekeeping

- Undertake a general site clean-up.
- Remove all general waste to a licensed waste disposal facility.
- Lock all waste bins.
- Securely fix all loose boards/sheeting to prevent movement during high winds.
- Check capacity, and empty sewage waste storage if possible.
- Securely close and lock, isolate and disconnect water access points (standpipes).

Fuels and chemicals

- Lock away all fuels, lubricants and oils in bunded, sealed and covered areas.
- Securely lock hazardous materials away in suitable storage or remove them to a secure location away from the site.
- Plant, vehicles and site access
- Check there is sufficient bunding for the plant and equipment that will be stored in each specific plant parking area.

Emergency contacts and responsibilities

- Develop and circulate a list of emergency contacts for the site.
- Determine and communicate triggers for weather events which would require immediate maintenance or repair by the emergency contact(s).
- Ensure there are sufficient staff available during the shutdown to monitor rainfall and weather events and implement any actions required due to an extreme event.

Additional requirements

- License and Approvals: check for any specific conditions or reporting requirements.
- Soil Conservationist: schedule inspections or call out requirements for the site Soil Conservationist following return to work in the New Year.

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
REC-001 Recommendation Prior to the shut down period, a berm should be placed across the access to prevent any site water exiting the site over the aggregate material/ Water should be transferred to the adjacent retention pond.		L	M.A	Notch cut in basin batter to direct water into basin and away from entry. Silt socks to be placed at entry as additional measure.
REC-002 Recommendation It is noted that the stockpile areas are stabilized with binder. The active working areas of the stockpiles should be smoothed and compacted to limit runoff during the shut down period.		L	M.A	Screened topsoil stockpile has been stabilized with binder. Unscreened stockpile stabilized with vegetation growing through

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
REC-003 Recommendation The BA2 basin is holding water that is discolored as a result of transfer pumping. It is noted that this water is being used on site for construction and suppression activities. Remaining water should be passed through the treatment unit for flocculation prior to the shut down period.		L	M.A	Ongoing - Water level reduced significantly and poses no risk of overflow. Dewatering to continue after the break. Additionally, automated pump has been installed at adjacent sump
OB-001 Observation The Lot 2 area elevation has increased to allow water to be drained to the basin inlet. This reduces the dependence on the sump and pump arrangement.		N/A		

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
OB-002 Observation The external / boundary berms have vegetated and are stable.		N/A		
OB-003 Observation The new access is constructed with the adjacent basin being completed. Tis is to be completed prior to the shut down period.		N/A		

Action (Observation / Recommendation)	Photo	Timeframe (L,M,H,I)	Responsibility	Close out Comment
OB-004 Observation The central area is being used for fill material for Lot 2. The area is surrounded by berm controls an has limited potential for runoff. Water from the area is managed through Basin AB2		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:	Mustafa Ak
Signature:	M.Ak
Date:	20/12/2024