

Appendix F – Site Audit Findings and Corrective Actions

Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. During the reporting period, site inspections were carried out on 3, 9, 16, 23 and 29 March 2016, 6, 14, 20 and 29 April 2016 and 4, 11, 18 and 27 May 2016. Particular observations during the site inspections are described below:

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
3 Mar 2016	<ol style="list-style-type: none"> 1. No drip tray was provided for chemicals at HMA. 2. A container was full of general refuse at HMA and general refuse was accumulated in an open space at N26. 3. Stagnant water was observed inside a drip tray at HMA. 4. An oil stain was observed at N26. 5. Stagnant water was found inside blocked U channels at N26. 6. Scum was observed at PR10. 	<ol style="list-style-type: none"> 1. The chemicals were removed from site and a drip tray was provided at HMA. 2. The accumulated waste at HMA and at N26 was removed. 3. The stagnant water inside the drip tray at HMA was removed. 4. The oil stain at N26 was cleaned up. 5. The stagnant water inside the blocked U channel was removed. 6. The scum at PR10 was removed. 	9 Mar 2016
	<ol style="list-style-type: none"> 7. A silt curtain was not properly aligned at Portion X. 	<ol style="list-style-type: none"> 7. The silt curtain at Portion X was aligned properly. 	16 Mar 2016
9 Mar 2016	<ol style="list-style-type: none"> 1. Stagnant water was observed at A2 Bridge, S7 and S15. 2. A gap was found in the slit curtains at Portion X and HMA. 3. No proper protection was provided along the seafront at S7. 4. Accumulated waste was observed at the open area of S25 and the rubbish bin at WA6 was full of rubbish. 5. Silt and debris were found next to a road at S25. 6. No measure was provided for a public road next to the construction site to prevent surface runoff to the road at S25. 	<ol style="list-style-type: none"> 1. The stagnant water at A2 Bridge, S7 and S15 was removed. 2. The silt curtains at Portion X and HMA were maintained and aligned properly. 3. Sand bags were provided along seafront at S7 to prevent surface runoff into the sea. 4. The accumulated waste the open area of S25 and inside the rubbish bin at WA6 was removed. 5. The silt and debris at the road side of S25 was removed. 6. Water barriers together with sand bags were placed along the construction site next to the public road to prevent runoff leakage at S25 was provided. 	16 Mar 2016

16 Mar 2016	<ol style="list-style-type: none"> 1. Stagnant water was observed inside a drip tray at N26. 2. Muddy water was observed at PR10. 3. Concrete truck washing bay was observed full of water at S7. 4. There were gaps at earth bund along the seafront at S7. 5. An oil stain was observed at S11. 6. Accumulated waste was observed at S11, S16 and N1. 	<ol style="list-style-type: none"> 1. The stagnant water inside the drip tray was removed at N26. 2. No muddy water discharge was observed at PR10. 3. The wastewater inside the concrete truck washing bay at S7 was pumped out for proper treatment. 4. Sand bags was provided along the seafront at S7 and no gaps were found. 5. The oil stain at S11 was removed. 6. The accumulated waste at S11, S16 and N1 was removed. 	23 Mar 2016
	<ol style="list-style-type: none"> 7. Openings of slit curtain were found at Portion X. 	<ol style="list-style-type: none"> 7. Opening of silt curtain were closed at Portion X. 	29 Mar 2016
23 Mar 2016	<ol style="list-style-type: none"> 1. Slit curtains were not properly aligned at Portion X. 2. Stagnant water was observed inside a drip tray at HMA. 3. There were gaps in earth bund at S7. 4. No drip tray was provided for chemicals at S7. 5. Rubbish was observed at N1. 6. Broken sand bags were observed at S7. 	<ol style="list-style-type: none"> 1. The silt curtain at Portion X was aligned properly. 2. The stagnant water inside the drip tray at HMA was removed. 3. Proper protection along the seafront at S7 was provided to avoid dropping of silt and debris into the sea. 4. The chemicals were removed at S7. 5. The rubbish was removed at N1. 6. The broken sand bags were removed at S7. 	29 Mar 2016
29 Mar 2016	<ol style="list-style-type: none"> 1. No drip tray was provided for chemical containers at N20. 2. No label was provided for oil drums at N26. 3. Stagnant water was observed at N26. 4. Checklists for checking of wastewater treatment facilities were not properly signed at N26. 5. Waste accumulation was observed at N26. 6. No labels were provided to chemical containers at N26. 7. No drip tray was provided for a chemical container at N26. 	<ol style="list-style-type: none"> 1. The chemical container at N20 was removed. 2. Chemical labels were provided for the chemical containers at N26. 3. The stagnant water at N26 was removed. 4. The checklists for checking wastewater treatment facilities at N26 were signed. 5. The accumulated waste at N26 was removed. 6. Chemical labels were provided for the chemical containers at N26. 7. The chemical container at N26 was removed. 	6 Apr 2016

6 Apr 2016	<ol style="list-style-type: none"> 1. Openings of slit curtain were found at Portion X. 2. No drip tray was provided for chemical drums at HMA. 3. Stagnant water was observed at N26. 4. There were gaps along earth bund next to the seafront at S7. 5. The water pump for the automatic wheel washing system at S7 was broken. A labour was assigned to wash wheels of vehicles using a water hose. 6. No drip tray was provided for chemical containers at N1. 7. The rubbish bin at N1 was full of rubbish. 8. More than 20 bags of cement were not covered with impervious sheeting at N1. 	<ol style="list-style-type: none"> 1. No gaps were found between silt curtains at Portion X. 2. The chemical drum at HMA was removed. 3. The stagnant water at N26 was removed. 4. Bunding was provided along the seafront at S7. 5. The water pump of the automatic wheel wash system at S7 was repaired and working properly. 6. Drip trays were provided to the chemical containers at N1. 7. The rubbish at N1 was removed. 8. The stockpile of more than 20 bags of cement was covered with impervious sheeting at N1. 	14 Apr 2016
	<ol style="list-style-type: none"> 9. General refuse was accumulated at N26. 	<ol style="list-style-type: none"> 9. General refuse at N26 was removed. 	4 May 2016
14 Apr 2016	<ol style="list-style-type: none"> 1. Openings of slit curtain were observed at Portion X. 2. Stagnant water was observed at HMA. 3. Muddy runoff from ground surface was observed at PR9. 4. Empty chemical containers were observed at S8. 5. Stagnant water was observed at S8. 6. No water spraying was provided for rock breaking activity at S15. 7. Accumulated waste was observed at S15. 8. The source of discharge pipe was not known. 9. Stagnant water was observed at S25. 10. A Waste was accumulated at S25. 11. Dark smoke emission from a vessel was observed at S7. 	<ol style="list-style-type: none"> 1. No gaps were found between silt curtains at Portion X. 2. The stagnant water at HMA was removed. 3. Sand bags were provided along seashore of PR9. 4. The empty chemical containers at S8 were removed. 5. The stagnant water at S8 was removed. 6. Water spraying was provided for the rock breaking activity at S15. 7. The accumulated waste at S15 was removed. 8. The source of the discharge pipes were marked on the outlet of the pipes. 9. The stagnant water at S25 was removed. 10. The accumulated waste at S25 was removed. 11. No dark smoke was observed from the vessel at S7. 	21 Apr 2016

20 Apr 2016	<ol style="list-style-type: none"> 1. Opening of slit curtain were found at Portion X. 2. No drip tray was provided for chemical containers at Portion X. 3. Stagnant water was observed at S15. 4. Stagnant water was observed at PR9. 5. No protection was provided at the seafront at PR9. 6. The discharge outlet of wastewater treatment facility was not directed to the approved discharge point at PR10. 7. Mechanical cover of dump truck was not closed during transportation of fill at S25. 8. Muddy plume was observed near reclamation area at S25. 9. Stagnant water was observed at VB. 10. Accumulated waste was observed at WA6. 	<ol style="list-style-type: none"> 1. Maintenance was provided for the silt curtain and no openings were found at Portion X. 2. The chemical containers were removed. 3. The stagnant water at S15 was removed. 4. The stagnant water at S15 was removed. 5. Sand bags were provided along the seafront 6. The discharge outlet of wastewater treatment facilities was connected to the discharge point. 7. The mechanical cover was closed during the transportation of fill. 8. No reclamation activity was observed at S25. 9. The stagnant water was removed. 10. The waste was disposed of. 	29 Apr 2016
29 Apr 2016	<ol style="list-style-type: none"> 1. Misaligned silt curtains were observed at Portion X. 2. Gaps were observed at the silt curtains at Portion X. 	<ol style="list-style-type: none"> 1. The silt curtain was maintained properly. 2. The silt curtain was maintained properly. 	18 May 2016
	<ol style="list-style-type: none"> 3. An abandoned blue hose was observed at PR10. 4. An abandoned discharge pipe was observed at PR10. 5. Stagnant water was observed along the haul road at S11. 6. The design of wheel washing bay was not appropriate at S9. 7. No chemical label for chemical containers was observed at S11. 8. Water pits were observed at S11. 9. Construction materials were stacked under the trees at S9. 10. No proper container was provided for chemicals at S11. 	<ol style="list-style-type: none"> 3. The abandoned blue hose at PR10 was removed on site. 4. The abandoned discharge pipe at PR10 was blocked to prevent surface runoff to adjacent water body. 5. The stagnant water at haul road of S11 was removed and the road surface was levelled to avoid accumulation of water. 6. A water hose for wheel washing was provided at the exit of S9. 7. Chemical labels were provided for the chemical containers at S11. 8. The water pits at S11 were removed. 9. The construction materials stacked under the trees at S9 were removed. 10. The chemicals at S11 were removed. 	4 May 2016

4 May 2016	<ol style="list-style-type: none"> 1. Stagnant water and oil were found inside a drip tray at A2. 2. Accumulation of refuse was observed at S15. 3. Accumulation of refuse was observed at S25. 4. Accumulation of refuse was observed at N1. 5. Stagnant water was found inside a H-beam at S8. 6. A stockpile of sand and a stockpile of over 20 bags of cement were not covered with impervious sheeting at A2 bridge of N20. 	<ol style="list-style-type: none"> 1. The drip tray at A2 was removed. 2. The accumulation refuse at S15 was removed. 3. The accumulation refuse at S25 was removed. 4. The accumulation refuse at N1 was removed. 5. The stagnant water inside the H-beam at S8 was removed. 6. The stockpile of sand and the stockpile of over 20 bags of cement at A2 bridge of N20 were covered with impervious sheeting. 	18 May 2016
	<ol style="list-style-type: none"> 7. Accumulation of refuse was observed at S8. 8. Stagnant water was found inside a drip tray provided for a generator at HMA. 	<ol style="list-style-type: none"> 9. The chemical drums at S7 were removed from site. 10. The accumulated refuse at S16 was removed. 	1 Jun 2016
11 May 2016	<ol style="list-style-type: none"> 1. Accumulation of refuse was observed at HMA. 2. Accumulation of refuse was observed at S23. 3. Accumulation of refuse was observed at S25. 4. Stagnant water was observed at S8. 5. Stagnant water was observed at S23. 6. Wastewater treatment facility was not in operation at S23. There was no wastewater discharge during the site inspection. However, the treated waste water at the outlet of the treatment facility was silty. 7. No marking was provided for the discharge pipes to indicate the source at S23. 8. The mechanical cover of dump truck was not closed at S11 during transportation of fill material. 	<ol style="list-style-type: none"> 1. The accumulated refuse at HMA was removed. 2. The accumulated refuse at S23 was removed. 3. The accumulated refuse at S25 was removed. 4. The stagnant water at S8 was removed. 5. The stagnant water at S23 was removed. 6. The waste water treatment facility at S23 was maintained and operated properly. 7. The disused discharge pipes at S23 were removed and the source of the discharge was marked on the remaining discharge pipes. 8. The mechanical cover of dump truck was closed at S11 during transportation of fill material. 	18 May 2016

18 May 2016	<ol style="list-style-type: none"> 1. Accumulation of refuse was observed at HMA. 2. Leakage from waste water treatment facility was observed at N26. 3. A stockpile of dusty fill material at N30 was not covered with imperious sheeting. 4. Rubbish was found on the gully at N30. 5. Stagnant water was observed at S11. 6. Generation of fugitive dust was observed at S16 during pipe piling. 7. Accumulation of refuse was observed at S25. 8. No adequate wheel washing facility was provided at N30. 9. Stagnant water was observed inside H beams at C&C. 	<ol style="list-style-type: none"> 1. The accumulated refuse at HMA was removed. 2. The waste water treatment facility was maintained and the leakage was stopped from the waste water treatment facility. 3. The stockpile of dusty fill material at N30 was removed. 4. Sand bags were placed around the gully at N30. 5. The stagnant water at S11 was removed. 6. The dust screen of the drilling rig was utilized during the drilling activities to prevent fugitive dust emission. 7. The accumulated refuse at S25 was removed. 8. An adequate wheel washing facility was provided at N30. 9. The stagnant water inside H beams at C&C was removed. 	27 May 2016
	<ol style="list-style-type: none"> 10. No drip tray was provided for chemical drums at S7. 11. Accumulation of refuse was observed at S16. 	<ol style="list-style-type: none"> 10. The chemical drums at S7 were removed from site. 11. The accumulated refuse at S16 was removed. 	1 Jun 2016
27 May 2016	<ol style="list-style-type: none"> 1. Gap of silt curtains were observed at Portion X. 	<ol style="list-style-type: none"> 1. The silt curtain was maintained at portion X. 	13 Jul 2016
	<ol style="list-style-type: none"> 2. Accumulated waste was observed at Western Portal. 3. No drip tray was provided for chemical containers at Western Portal. 4. Stagnant water was observed at Western Portal. 5. Stagnant water inside the drip tray and no chemical label for chemical containers was observed at Western Portal. 6. Chemicals leakage was observed at Western Portal. 7. Rubbish was observed at Western Portal. 	<ol style="list-style-type: none"> 2. The accumulated waste at Western Portal was removed. 3. The chemical containers were removed from Western Portal. 4. The stagnant water at Western Portal was removed. 5. Stagnant water inside the drip tray at Western Portal was removed and chemical labels were displayed on the containers. 6. The chemical leakage at Western Portal was cleaned up. 7. The rubbish at Western Portal was removed. 	1 Jun 2016

The Contractor has rectified the observations as identified during environmental site inspections.