

## 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 1, 8, 15, 22 and 28 June 2016, 6, 13, 20, and 29 July 2016 and 3, 10, 17, 24 and 30 August 2016. Particular observations during the site inspections are described below:

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
4 May 2016	<ol style="list-style-type: none"> <li>1. Accumulation of refuse was observed at S8.</li> <li>2. Stagnant water was found inside a drip tray provided for a generator at HMA.</li> </ol>	<ol style="list-style-type: none"> <li>1. The accumulated refuse at S8 was removed.</li> <li>2. The stagnant water at HMA was removed.</li> </ol>	1 Jun 2016
18 May 2016	<ol style="list-style-type: none"> <li>1. No drip tray was provided for chemical drums at S7.</li> <li>2. Accumulation of refuse was observed at S16.</li> </ol>	<ol style="list-style-type: none"> <li>1. The chemical drums at S7 were removed from site.</li> <li>2. The accumulated refuse at S16 was removed.</li> </ol>	1 Jun 2016
27 May 2016	<ol style="list-style-type: none"> <li>1. Accumulated waste was observed at Western Portal.</li> <li>2. No drip tray was provided for chemical containers at Western Portal.</li> <li>3. Stagnant water was observed at Western Portal.</li> <li>4. Stagnant water inside the drip tray and no chemical label for chemical containers was observed at Western Portal.</li> <li>5. Chemicals leakage was observed at Western Portal.</li> <li>6. Rubbish was observed at Western Portal.</li> </ol>	<ol style="list-style-type: none"> <li>1. The accumulated waste at Western Portal was removed.</li> <li>2. The chemical containers were removed from Western Portal.</li> <li>3. The stagnant water at Western Portal was removed.</li> <li>4. Stagnant water inside the drip tray at Western Portal was removed and chemical labels were displayed on the containers.</li> <li>5. The chemical leakage at Western Portal was cleaned up.</li> <li>6. The rubbish at Western Portal was removed.</li> </ol>	1 Jun 2016
	<ol style="list-style-type: none"> <li>7. Gap of silt curtains were observed at Portion X.</li> </ol>	<ol style="list-style-type: none"> <li>7. The silt curtain was maintained at Portion X</li> </ol>	13 Jul 2016
1 Jun 2016	<ol style="list-style-type: none"> <li>1. Mud was accumulated inside the U-channel at N4.</li> <li>2. Stagnant water was observed at N4.</li> <li>3. Accumulation of waste was observed at N4.</li> <li>4. Silt curtain was misaligned at S11.</li> <li>5. Stagnant water was observed inside a drip tray at S7. No NRMM label was displayed on a mobile crane at S9.</li> <li>6. No NRMM label was displayed on a mobile crane at S9.</li> <li>7. Stagnant water was observed at S15.</li> </ol>	<ol style="list-style-type: none"> <li>1. The mud inside the U-channel was removed at N4.</li> <li>2. The stagnant water was removed at N4.</li> <li>3. The accumulated waste was removed at N4.</li> <li>4. The silt curtain was maintained properly at S11.</li> <li>5. The drip tray and the chemical drum were removed from site at S7.</li> <li>6. The NRMM label was displayed on the mobile crane at S9.</li> <li>7. The stagnant water at S15 was removed.</li> </ol>	8 Jun 2016
	<ol style="list-style-type: none"> <li>8. Stagnant water was observed at S7.</li> </ol>	<ol style="list-style-type: none"> <li>8. Stagnant water was cleared at S7.</li> </ol>	28 Jun 2016

8 Jun 2016	<ol style="list-style-type: none"> <li>1. Stagnant water was observed at C &amp; C.</li> <li>2. Accumulation of refuse was observed at C &amp; C.</li> <li>3. The wastewater treatment facility was damaged at N26.</li> <li>4. Mud was found next to the seafront of S7.</li> <li>5. Accumulation of refuse was observed at S11.</li> <li>6. Water pressure of wheel washing facility was insufficient at WA4.</li> <li>7. Stagnant water was observed at WA4.</li> </ol>	<ol style="list-style-type: none"> <li>1. The stagnant water at C &amp; C was removed.</li> <li>2. The accumulated refuse at C &amp; C was removed.</li> <li>3. The wastewater treatment facility at N26 was repaired.</li> <li>4. The accumulated mud at S7 was removed.</li> <li>5. The accumulated refuse at S11 was removed.</li> <li>6. The water pressure of the wheel washing facility was maintained to a normal level at WA4.</li> <li>7. The stagnant water at WA4 was removed.</li> </ol>	15 Jun 2016
	<ol style="list-style-type: none"> <li>1. Gaps between of earth bunds was observed at along the seafront of S7.</li> </ol>	<ol style="list-style-type: none"> <li>1. Proper bunding was provided along the seafront of S7.</li> </ol>	28 Jun 2016
15 Jun 2016	<ol style="list-style-type: none"> <li>1. Slit curtain was misaligned at Portion X.</li> <li>2. Stagnant water was observed at A2.</li> <li>3. Exposed stockpile of sand was observed at N20.</li> <li>4. Stagnant water was observed at S11.</li> <li>5. Oil stain was observed at S11.</li> <li>6. Untreated runoff flowing into the gully outside S15 was observed.</li> <li>7. No drip tray was provided for chemical containers at S15.</li> </ol>	<ol style="list-style-type: none"> <li>1. The silt curtain was maintained at portion X.</li> <li>2. The stagnant water was removed at A2.</li> <li>3. The stockpile of sand was covered by tarpaulin at N20.</li> <li>4. The stagnant water was removed at S11.</li> <li>5. The oil stain was cleaned up at S11.</li> <li>6. The discharge of untreated runoff into the gully was stopped.</li> <li>7. A drip tray was provided for the chemical containers at S15.</li> </ol>	22 Jun 2016
	<ol style="list-style-type: none"> <li>1. No NRMM label was displayed on generator at S15.</li> </ol>	<ol style="list-style-type: none"> <li>1. A NRMM label was displayed on the generator at S15.</li> </ol>	28 Jun 2016
22 Jun 2016	<ol style="list-style-type: none"> <li>1. No NRMM label was displayed on a generator at N30.</li> <li>2. Stagnant water was found at S8.</li> <li>3. The cement mixing station was not completely enclosed at S11.</li> <li>4. More than 20 bags of cement were not covered with tarpaulin at S11.</li> <li>5. Stagnant water was observed inside a drip tray at S11.</li> <li>6. Stagnant water was found at S11.</li> <li>7. Accumulation of rubbish was observed at S25.</li> <li>8. Accumulation of rubbish was observed at West Portal.</li> </ol>	<ol style="list-style-type: none"> <li>1. NRMM label was provided for the generator at N30.</li> <li>2. The stagnant water at S8 was removed.</li> <li>3. The cement mixing station was covered at top and 3-side with impervious tarpaulin.</li> <li>4. The bags of cement were covered with tarpaulin at S11.</li> <li>5. The stagnant water was cleared at S11.</li> <li>6. The accumulated rubbish was removed at S25.</li> <li>7. The accumulated rubbish was removed at West Portal.</li> </ol>	28 Jun 2016

28 Jun 2016	<ol style="list-style-type: none"> <li>1. Silt curtains were not properly aligned at Portion X.</li> <li>2. Stagnant water was observed at HMA.</li> <li>3. No drip tray was provided for chemical containers at HMA.</li> <li>4. General refuse was accumulated at HMA.</li> <li>5. Chemical label was not provided for chemical containers at HMA.</li> <li>6. Wheel washing facilities were not operating at N30.</li> <li>7. General refuse was accumulated at N30.</li> </ol>	<ol style="list-style-type: none"> <li>1. The silt curtain was maintained at portion X.</li> <li>1. The stagnant water was cleared at HMA.</li> <li>2. The chemical was removed from HMA.</li> <li>3. The accumulated waste was removed from HMA.</li> <li>4. A proper label was provided for the chemical at HMA.</li> <li>5. The wheel washing facility was in operation at N30.</li> <li>6. The accumulated waste was removed from N30.</li> </ol>	<p>13 Jul 2016</p> <p>6 Jul 2016</p>
6 Jul 2016	<ol style="list-style-type: none"> <li>1. A section of silt curtain was disconnected at Portion X.</li> <li>2. Stagnant water was found from at S11.</li> <li>3. A wastewater treatment facility was not inspected by the Contractor regularly for its performance at N26.</li> <li>4. The source of discharge was not marked on the discharge pipe at N26.</li> <li>5. Silt curtain was not properly aligned at S7.</li> <li>6. Stagnant water was found at S7.</li> <li>7. Accumulated waste was observed at S8.</li> <li>8. Stagnant water was found at S9.</li> <li>9. Stagnant water was found at S11.</li> <li>10. Rubbish was found at S11.</li> <li>11. Muddy water was leaking from a hole into the sea.</li> </ol>	<ol style="list-style-type: none"> <li>1. The silt curtains were maintained at Portion X</li> <li>2. The stagnant water was removed at S11.</li> <li>3. The wastewater treatment facility at N26 was inspected by the Contractor regularly.</li> <li>4. The source of discharge was marked on the discharge pipe at N26.</li> <li>5. The silt curtain was maintained at S7.</li> <li>6. The stagnant water was removed from S7.</li> <li>7. The accumulated waste was removed from S8.</li> <li>8. The stagnant water was removed from S9.</li> <li>9. The stagnant water was removed from S11.</li> <li>10. The rubbish was removed from S11.</li> <li>11. Sand bags were placed around the hole and the leakage was stopped at S11.</li> </ol>	13 Jul 2016



13 Jul 2016	<ol style="list-style-type: none"> <li>1. There was a gap between silt curtains at Portion X.</li> <li>2. No drip tray was provided for chemical containers at N26.</li> <li>3. An inadequate wheel washing facility was observed at N26.</li> <li>4. There was a gap in earth bund at S11.</li> <li>5. Accumulation of general refuse was observed at S7.</li> <li>6. No drip tray was provided for chemical drums at S11.</li> <li>7. The label for chemical at S11 was improper.</li> <li>8. No drip tray was provided for chemical containers at Shaft 1.</li> <li>9. Stockpiles of over 20 bags of cement were not covered with impervious sheeting at West Portal.</li> <li>10. Stagnant water was observed at West Portal.</li> </ol>	<ol style="list-style-type: none"> <li>1. The silt curtains were maintained and no gaps between sections of silt curtain were found at Portion X.</li> <li>2. The chemical containers were removed at N26.</li> <li>3. An adequate wheel washing facility was provided at N26.</li> <li>4. The earth bund was maintained at S11.</li> <li>5. The accumulated general refuse was removed at S7.</li> <li>6. A drip tray was provided for the chemical drums at S11.</li> <li>7. A proper label was provided for the chemical at S11.</li> <li>8. Some of chemical containers were removed and some were placed within a drip tray at Shaft 1.</li> <li>9. The stockpiles of over 20 bags of cement were covered with impervious sheeting at West Portal.</li> <li>10. The stagnant water was removed at West Portal.</li> </ol>	20 Jul 2016
20 Jul 2016	<ol style="list-style-type: none"> <li>1. Misaligned silt curtains were observed at Portion X</li> <li>2. Stagnant water was observed inside drip trays at HMA.</li> <li>3. Stagnant water was observed at HMA.</li> <li>4. There was a gap in earth bund and surface runoff leaked into sea at S7.</li> <li>5. Stagnant water was observed on the ground at S7.</li> <li>6. No drip tray was provided for chemical containers at S7.</li> <li>7. Oil stain was observed on the ground at S8.</li> <li>8. No noise barriers were provided for tunnel excavation at S8.</li> <li>9. No drip tray was provided for chemical drums at S11.</li> <li>10. No proper labels were provided for the chemical drums at S15.</li> <li>11. General refuse were observed accumulated on the ground at Ventilation Building of West Portal.</li> </ol>	<ol style="list-style-type: none"> <li>1. The silt curtains were maintained at Portion X.</li> <li>2. The stagnant water inside the drip trays were cleared at HMA.</li> <li>3. The stagnant water was cleared on the ground at HMA.</li> <li>4. The Contractor was reminded to maintain the earth bund at S7.</li> <li>5. The stagnant water on the ground was cleared at S7.</li> <li>6. The chemical container were removed at S7.</li> <li>7. The oil stain was removed properly at S8.</li> <li>8. Noise barriers were provided for tunnel excavation at S8.</li> <li>9. Drip tray were provided for the chemical drums at S11.</li> <li>10. Proper labels were provided for the chemical drums at S15.</li> <li>11. The general refuse was removed at Ventilation Building of West Portal.</li> </ol>	29 Jul 2016

29 Jul 2016	<ol style="list-style-type: none"> <li>Gap of silt curtains were observed at Portion X.</li> <li>Cover of dump truck was not completely closed at N1.</li> <li>Waste was observed at Western Portal.</li> <li>Concrete waste was observed at N1.</li> <li>Stagnant water was observed at N1.</li> <li>No drip tray for chemical was observed at West Portal.</li> <li>Stagnant water was observed at West Portal.</li> </ol>	<ol style="list-style-type: none"> <li>The silt curtains were maintained at Portion X.</li> <li>The skip of dump truck was covered entirely at N1.</li> <li>The accumulated waste was removed by the Contractor from West Portal.</li> <li>The concrete waste was removed by the Contractor from N1.</li> <li>The stagnant water was cleared at N1.</li> <li>The chemical containers were removed by the Contractor from West Portal.</li> <li>The stagnant water was cleared at N1.</li> </ol>	3 Aug 2016
3 Aug 2016	<ol style="list-style-type: none"> <li>Accumulated waste was observed at S11.</li> <li>Accumulated waste was observed at S7.</li> <li>There were gaps between earth bunds and surface runoff leaked into the sea at S7.</li> <li>No label was provided for chemicals at S7.</li> <li>Dump trucks were not covered by impervious sheeting at S15.</li> </ol>	<ol style="list-style-type: none"> <li>The accumulated waste was removed from S11.</li> <li>The accumulated waste was removed from S7.</li> <li>The earth bunds were maintained at S7.</li> <li>The unlabelled chemicals were removed from S7.</li> <li>Mechanical covers of the dump trucks were closed at S15.</li> </ol>	10 Aug 2016
	<ol style="list-style-type: none"> <li>There were a gap between earth bunds and surface runoff leaked into the sea at S11.</li> <li>Stagnant water was observed at West Portal.</li> </ol>	<ol style="list-style-type: none"> <li>The earth bunds at S11 was maintained.</li> <li>The stagnant water was removed at West Portal.</li> </ol>	17 Aug 2016
	<ol style="list-style-type: none"> <li>Stagnant water was observed at N1.</li> </ol>	<ol style="list-style-type: none"> <li>The stagnant water was removed from N1.</li> </ol>	24 Aug 2016
	<ol style="list-style-type: none"> <li>There was a gap between silt curtains at Portion X.</li> </ol>	<ol style="list-style-type: none"> <li>The silt curtains were maintained at portion X.</li> </ol>	30 Aug 2016
10 Aug 2016	<ol style="list-style-type: none"> <li>Accumulated waste was observed at HMA.</li> <li>Accumulated waste was observed at S9.</li> <li>No drip trays were provided for chemicals at S11.</li> <li>Stagnant water was observed at S11.</li> <li>Accumulated waste was observed at S25.</li> <li>Muddy tracks were observed at the site exit at N1.</li> <li>No shelter with cover at 3 sides and at top was provided for grout mixing station at West Portal.</li> </ol>	<ol style="list-style-type: none"> <li>The accumulated waste was removed from HMA</li> <li>The accumulated waste was removed from S9.</li> <li>Drip trays were provided for the chemicals at S11.</li> <li>The stagnant water was removed from S11.</li> <li>The accumulated waste was removed from S25.</li> <li>The muddy tracks at the site exit at N1 were removed.</li> <li>The grout mixing station was removed from West Portal.</li> </ol>	17 Aug 2016

	<ul style="list-style-type: none"> <li>8. Accumulated waste was observed at West Portal.</li> <li>9. Over 20 bags of cement were not covered by impervious sheeting at West Portal.</li> </ul>	<ul style="list-style-type: none"> <li>8. The accumulated waste was removed from West Portal.</li> <li>9. The stockpile of cement was covered with impervious sheeting at West Portal.</li> </ul>	24 Aug 2016
17 Aug 2016	<ul style="list-style-type: none"> <li>1. Stagnant water was observed at S11.</li> <li>2. Stagnant water was observed at N4.</li> <li>3. Stagnant water was observed at S7.</li> <li>4. There was a gap between earth bund and surface runoff leaked into the sea at S7.</li> <li>5. There were gaps between earth bund and surface runoff leaked into the sea at S11.</li> <li>6. A container which is used for water storage was not covered at S11.</li> <li>7. No drip trays were provided for chemicals at West Portal.</li> </ul>	<ul style="list-style-type: none"> <li>1. The stagnant water was removed from S11.</li> <li>2. The stagnant water was removed from N4.</li> <li>3. The stagnant water was removed from S7.</li> <li>4. The earth bund was maintained at S7.</li> <li>5. The earth bund was maintained at S11.</li> <li>6. The container for water storage was covered at S11.</li> <li>7. Drip trays were provided for the chemicals at West Portal.</li> </ul>	24 Aug 2016
24 Aug 2016	<ul style="list-style-type: none"> <li>1. Accumulated waste was observed at S11</li> <li>2. Accumulated waste was observed at HMA.</li> <li>3. No drip tray was provided for chemicals at HMA.</li> <li>4. Accumulated waste was observed at S15.</li> <li>5. Stagnant water was observed at S15.</li> <li>6. Abandoned pipe was observed at S15</li> <li>7. Over 20 bags of cement were not covered by impervious sheeting at S15.</li> <li>8. No drip tray was provided for oil drums at S16.</li> <li>9. Accumulated waste was observed at S16.</li> <li>10. Stagnant water was observed at S9.</li> <li>11. Routine inspection was not carried out for wastewater treatment facility at N1.</li> </ul>	<ul style="list-style-type: none"> <li>1. The accumulated waste was removed at S11.</li> <li>2. The accumulated waste was removed at HMA.</li> <li>3. The chemicals was removed at HMA.</li> <li>4. The accumulated waste was removed at S15.</li> <li>5. The stagnant water was removed at S15.</li> <li>6. The abandon pipe was removed at S15.</li> <li>7. The bags of cement were covered by impervious sheeting at S15.</li> <li>8. The oil drums were removed at S16.</li> <li>9. The accumulated waste was removed at S16.</li> <li>10. The stagnant water was removed at S9.</li> <li>11. Routine inspection for the wastewater treatment facility was carried out at N1 and inspection record was displayed on the waste water treatment facility.</li> </ul>	30 Aug 2016

30 Aug 2016	<ol style="list-style-type: none"> <li>1. It was observed that wastewater treatment plant was overloaded at PR9.</li> <li>2. No drip tray was provided for chemical containers at Shaft 3.</li> <li>3. Concrete waste was observed at Shaft 3.</li> <li>4. No drip tray was provided for chemical containers at N1.</li> <li>5. Over 20 bags of cement were not entirely covered with impervious sheets at N1. .</li> <li>6. Stagnant water was observed at N1 adjacent to HY/2011/09 site.</li> <li>7. Stagnant water was observed inside the building at N1.</li> <li>8. Rubbish was accumulated at N1.</li> </ol>	<p><u>The Contractor was recommended to:</u></p> <ol style="list-style-type: none"> <li>1. monitor the proper functioning of the plant to ensure its performance.</li> <li>2. remove the chemical containers or provide for the chemical containers.</li> <li>3. remove concrete waste promptly.</li> <li>4. remove the chemical containers or provide for the chemical containers.</li> <li>5. cover the bags of cements entirely.</li> <li>6. remove stagnant water from site to avoid mosquito breeding.</li> <li>7. remove stagnant water from the site to avoid mosquito breeding.</li> <li>8. remove rubbish promptly.</li> </ol>	<p>Follow-up actions for the observations issued for the last weekly site inspection of the reporting month will be inspected during the next site inspections.</p>
-------------	--	---	---

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