

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 2, 9, 16, 25 and 30 September 2015, 7, 14, 22 and 30 October 2015 and 4, 11, 18 and 27 November 2015.

Particular observations during the site inspections are described below.

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
22 Jul 2015	<ol style="list-style-type: none"> 1. The alignment of silt curtains did not follow the design plan at Portion X. 2. A gap was observed between sections of silt curtains at Portion X. 	<ol style="list-style-type: none"> 1. The silt curtains were realigned to follow the design plan. 2. The gap was filled up by additional silt curtains. 	2 Sep 2015
5 Aug 2015	<ol style="list-style-type: none"> 1. Dry dusty material was found on the ground after the loading/unloading activity at S7. 2. A stockpile of dry crushed stones was found at S7. 	<ol style="list-style-type: none"> 1. The dry dusty material was cleaned up by the Contractor. 2. Water spraying was provided for the stockpile of dry crushed stone. 	2 Sep 2015
12 Aug 2015	<ol style="list-style-type: none"> 1. No drip tray was provided for chemical containers at S15. 	<ol style="list-style-type: none"> 1. A drip tray was provided for the chemical containers. 	2 Sep 2015
19 Aug 2015	<ol style="list-style-type: none"> 1. The silt curtain which should be placed around the aeronautical light was broken at Portion X. 	<ol style="list-style-type: none"> 1. The broken silt curtain around the aeronautical light at Portion X was replaced. 	2 Sep 2015
28 Aug 2015	<ol style="list-style-type: none"> 1. The rubbish bin at access road of WA6 was full. 2. A drip tray was not provided to the chemical containers inside West Tunnel. 3. A drip tray was not provided for the chemical containers under the bridge at West Tunnel site. 	<ol style="list-style-type: none"> 1. The rubbish was removed. 2. The chemical containers were removed. 3. The chemical containers were removed. 	2 Sep 2015
2 Sep 2015	<ol style="list-style-type: none"> 1. The container for collecting general wastes was full and rubbish was placed next to the container at S15. 	<ol style="list-style-type: none"> 1. The rubbish was removed by the Contractor. 	9 Sep 2015
	<ol style="list-style-type: none"> 2. The alignment of the silt curtain did not follow the design plan at Portion X. 	<ol style="list-style-type: none"> 2. The silt curtains were realigned to follow the design plan at Portion X. 	30 Oct 2015
	<ol style="list-style-type: none"> 3. Muddy water was leaked from the wheel washing bay to the sea at S7. 4. Stagnant water was accumulated inside an I-beam at N4. 5. Stagnant water was observed inside a drip tray at N4. 6. Many emptied cement bags were placed on the ground at S11. 7. Stagnant water was found inside an abandon wheel washing bay at N20. 	<ol style="list-style-type: none"> 3. The muddy water discharge was stopped by diverting the wastewater to a sump pit. 4. The stagnant water was cleaned up by the Contractor. 5. The stagnant water inside the drip tray was cleaned up. 6. The emptied cement bags were removed. 7. The stagnant water was cleaned up inside the abandon wheel washing bay. 	9 Sep2015

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
9 Sep 2015	<ol style="list-style-type: none"> 1. Rubbish was accumulated on the ground at N1. 2. There were not enough sand bags to be placed along the boundary of dusty materials at N1. 3. Sand bags placed along the road were broken at N20. 4. A container for general refuse was full and rubbish was placed next to the container at S15. 5. A wastewater treatment plant was not used at S25. 6. Surface runoff was not directed to a wastewater treatment system at N1. 7. Stagnant water was observed inside an abandon wheel washing bay at N20. 	<ol style="list-style-type: none"> 1. The rubbish was removed by contractor. 2. Additional sand bags were placed along the boundary of the dusty materials. 3. The broken sand bags were removed and new sand bags were placed along the road. 4. The rubbish was removed by the Contractor. 5. After the site inspection, the Contractor pump the wastewater to wastewater treatment plant for treatment prior to discharge. 6. The surface runoff was pumped to a wastewater treatment system for treatment after the site inspection. 7. The stagnant water inside the abandon wheel washing bay was cleaned up. 	16 Sep 2015
16 Sep 2015	<ol style="list-style-type: none"> 1. No sand bags were placed around the storage area for aggregate / clay at vessel Shun Tat 82. 2. Rubbish was found near seaside at S7. 3. Muddy surface runoff was observed at S7. 4. A drilling machine was partly covered and fugitive dust was observed at S15. 5. No labour was provided for a wheel washing facility at WA4 to wash wheels of vehicles leaving the site. 6. A rubbish bin at WA6 was full. 7. Holes of water barriers were not sealed at WA6. 	<ol style="list-style-type: none"> 1. Sand bags were placed the around the storage area for aggregate / clay. 2. The rubbish was removed. 3. The muddy water runoff was stopped by the Contractor. 4. A proper cover was provided to the drilling machines at S15. 5. A labour was provided to wash wheels of vehicles at WA4. 6. The rubbish was removed. 7. Holes of the water barriers at WA6 were sealed. 	
25 Sep 2015	<ol style="list-style-type: none"> 1. Mechanical cover of dump truck was not covered near at Portion Y. 2. Water dripping from air-conditioner was observed at Portion Y. 3. Accumulated rubbish was observed at Portion Y. 4. No drip tray was observed for the oil drums at Portion Y. 5. Stagnant water was observed at Portion Y. 6. Stagnant water was observed at S16 site entrance. 7. Rubbish was observed inside the tunnel at N1. 	<ol style="list-style-type: none"> 1. The mechanical cover of a dump truck was closed during transportation of materials at Portion Y. 2. The Contractor used a red bucket to contain the water dripping. 3. The rubbish was removed. 4. Drip trays were provided for the oil drums. 5. The stagnant water was cleared up. 6. The stagnant water was cleared up. 7. The rubbish was removed. 	30 Sep 2015

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
30 Sep 2015	1. The alignment of silt curtains for barging point did not follow the design plan at Portion X.	1. The silt curtains for barging point were realigned to follow the design plan at Portion X.	30 Oct 2015
	2. Muddy water was leaked out from holes of sand bucket into the sea from the storage area at Shun Tat 82. 3. No sand bags were placed along the road at N20. 4. Wheels of a dump truck were not washed before leaving the site at N20. 5. Stagnant water pool was observed on surface at S8. 6. No water spraying was provided for drilling activity at S8. 7. Unpaved road was dry and fugitive dust emission was observed when there was vehicle movement at S16. 8. No sand bags were placed along the site boundary at S25 and there was a potential to wash away the sand into the sea. 9. A wastewater treatment was not used at S25. 10. General waste was accumulated on bare ground at S25.	2. The Contractor blocked the hole of sand bucket and provided sand bags around the storage area at Shun Tat 82. 3. Sand bags were placed along the boundary of the site at N20. 4. Wheel washing facility was provided for wheel washing at site exit/entrance at N20. 5. The contractor used a pump to pump out the stagnant water at S8. 6. Water spraying was provided for the drilling activity at S8. 7. Water spraying was provided frequently on the unpaved road to keep it in a damp condition at S16. 8. Sand bags were placed along the boundary at S25 to prevent surface runoff from the site into the sea. 9. The wastewater treatment was set up properly for treatment of wastewater at S25. 10. The rubbish was removed at S25.	7 Oct 2015
7 Oct 2015	1. Used wooden panels were accumulated at S11. 2. Empty food and drink containers were found on the ground at S15. The general waste was removed at S15. 3. Empty chemical containers were found at S15. 4. Concrete waste was observed at S19. 5. Rubbish was found at S19. 6. A container was full of waste at S19.	1. The used wooden panels were cleaned up at S11. 2. The general waste was removed at S15. 3. The empty chemical containers were removed at S15. 4. The concrete waste was cleaned up at S19. 5. The rubbish was removed at S19. 6. The waste was removed at S19.	
14 Oct 2015	1. Dusty materials were found on the ground after loading/unloading activities at S7.	1. Dusty materials were removed and sand bags were provided by the Contractor to prevent potential leakage into the sea at S7.	4 Nov 2015
	2. There was no wheel washing facility provided for the site entrance /exit at S8. 3. Stagnant water was observed inside a steel beam at S9. 4. Stagnant water was observed on the ground at S9.	2. The site entrance /exit without wheel washing facility was blocked at S8. 3. The stagnant water was cleaned up inside the steel beam at S9. 4. The stagnant water was cleaned up on the ground at S9.	22 Oct 2015

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
	<ul style="list-style-type: none"> 5. Chemicals containers were placed without drip tray at S11. 6. Stagnant water was observed in a steel beam at S11. 7. Stagnant water was found on the ground at S11. 	<ul style="list-style-type: none"> 5. The chemical containers were placed with drip tray at S11. 6. The stagnant water was cleaned up inside the steel beam at S11. 7. The stagnant water was cleaned up on the ground at S11. 	
22 Oct 2015	<ul style="list-style-type: none"> 1. Concrete waste was observed at Highway Operation and maintenance Area of Portion Y. 2. Concrete rubbles and dusty materials were found on the ground after loading/unloading activity at S7. 	<ul style="list-style-type: none"> 1. The concrete waste was removed. 2. The concrete rubbles and dusty materials were removed and sand bags were provided by the Contractor to prevent leakage into the sea. 	4 Nov 2015
	<ul style="list-style-type: none"> 3. Rubbish was accumulated at Highway Operation and maintenance Area of Portion Y. 4. An unused pipe was found in the open channel at S9. 5. Concrete waste was found on the ground at N20. 6. Rubbish was scattered on the ground at S11. 7. The alignment of the silt curtain did not follow the design plan at Portion X. 	<ul style="list-style-type: none"> 3. The accumulated rubbish was cleaned up at Highway Operation and maintenance Area of Portion Y. 4. The unused pipe in the open channel was removed at S9. 5. The concrete waste was removed at N20. 6. The rubbish on the ground was cleaned up at S11. 7. The silt curtains were realigned to follow the design plan at Portion X. 	30 Oct 2015
30 Oct 2015	<ul style="list-style-type: none"> 1. Construction waste was piling up on the ground without a container at S8. 2. No drip tray was provided for chemical containers at S8. 3. No drip tray was provided for chemical containers near the site access of S8. 4. The inspection record of wastewater treatment plant was not updated at S8. 5. A gap was found at the bottom of metal fence at S11. 6. The refuse skip was full and a chemical container was found at S11. 7. No drip tray was provided for chemical containers at the scaffolding area of ventilation building. 8. Stagnant water was observed at ventilation building.* 	<ul style="list-style-type: none"> 1. The construction waste was cleared. 2. The chemical containers were removed at S8. 3. The chemical containers were removed. 4. The inspection record of wastewater treatment plant was updated. 5. The gap was sealed at the bottom of metal fence at S11. 6. The refuse was cleaned up and the chemical container was disposed of as chemical waste. 7. The chemical containers were removed. 8. The stagnant water was removed at N1. 	4 Nov 2015
4 Nov 2015	<ul style="list-style-type: none"> 1. Muddy water was accumulated on the uneven ground at S25. 	<ul style="list-style-type: none"> 1. The muddy water was removed for treatment prior to discharge at S25. 	18 Nov 2015
	<ul style="list-style-type: none"> 2. Rubbish was accumulated at A2 bridge of N20. 3. Stagnant water was observed at A2 Bridge of N20. 4. The container at HMA of Portion Y for collection of general refuse was full. 	<ul style="list-style-type: none"> 2. The rubbish was removed. 3. The stagnant water was removed by the Contractor. 4. The waste inside the container was disposed of. 	11 Nov 2015

Date of Audit	Observations	Actions Taken by Contractor / Recommendation	Date of Observations Closed
	<ul style="list-style-type: none"> 5. Improper storage of chemicals was observed at HMA of Portion Y. 6. No drip tray was provided for an oil drum at S8. 7. No water spraying was provided for the breaking activity at S16. 8. No drip tray was provided for an oil drum at S11 and oil stains were found next to it. 	<ul style="list-style-type: none"> 5. The chemicals were removed. 6. The oil drum was removed. 7. Water spraying was provided during the breaking activity. 8. The oil drum was removed and oil stain was cleaned up. 	
11 Nov 2015	<ul style="list-style-type: none"> 1. Improper noise barrier was observed at S16. 2. Stagnant water was observed at S16. 3. No water spraying was provided for the excavation works at S16. 4. Muddy water was accumulated on the uneven ground at S25. 5. Rubbish was observed on the ground at S25. 6. The wheel washing bay was blocked at S23. 7. No water hose was provided for the wheel washing bay at N20. 8. Broken sand bags were observed at S7. 	<ul style="list-style-type: none"> 1. The noise barriers were replaced. 2. The stagnant water was cleaned up. 3. Water spraying was provided during the excavation. 4. The muddy water was removed. 5. The rubbish was cleaned up. 6. The obstacle was removed and the wheel washing bay was not blocked. 7. Water hose was used for wheel washing. 8. New sandbags were placed along the edge of S7. 	18 Nov 2015
18 Nov 2015	<ul style="list-style-type: none"> 1. Accumulated rubbish was observed in a container at S11. 2. No drip trays were provided for chemicals at S15. 3. Improper storage of chemical containers were observed at HMA of Portion Y. 4. More than 20 bags of cement were not covered at HMA of Portion Y. 5. No sand bags were provided at the edge of S7 to prevent washing away sand into the sea at S7. 	<ul style="list-style-type: none"> 1. The rubbish in the container was removed and disposed of. 2. A drip tray was provided for the chemicals. 3. The chemical containers were removed. 4. The bags of cement were covered. 5. New sandbags were placed along the edge of S7 to prevent washing away sand into the sea. 	30 Nov 2015
27 Nov 2015	<ul style="list-style-type: none"> 1. Cement bags were found not entirely covered at S15. 2. Cement storage area was not properly sheltered at S11. 3. The engine cover of a powered mechanical equipment was opened at S15. 4. Drip tray was not provided for an oil drum at HMA site. 5. Some wood strips waste was found at HMA site. 6. Oil stain was observed at HMA site. 	<ul style="list-style-type: none"> 1. The bags of cement were covered by tarpaulin at S15. 2. The cement storage area was covered on three of four sides and the top at S11. 3. The cover of powered mechanical equipment was closed at S15. 4. A drip tray was provided for the oil drum at HMA site. 5. The wood strips waste was removed at HMA site. 6. The oil stain was cleaned up at HMA site. 	2 Dec 2015

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