

## **Appendix F – Site Audit Findings and Corrective Actions**

- 1.1.1 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, twelve site inspections were carried out on 4, 11, 18 and 31 December 2013; 8, 15, 22 and 28 January 2014 and 5, 12, 19 and 28 February 2014.
- 1.1.2 Particular observations during the site inspections are described below.

### **4 December 2013**

- (a) Temporary stockpile of dusty material without dust control measures at West Portal were observed. Water spraying was provided for the unpaved area to minimise fugitive dust emissions. (This observation was found on 29 November 2013 and closed on 4 December 2013.)
- (b) Haul road was noted dry at S16. Water vehicle was arranged by the contractor to spray water on the unpaved area at S16. (This observation was found on 29 November 2013 and closed on 4 December 2013.)
- (c) Oil leakage was found on the ground at S16. The leak out oil was cleaned out by the contractor at S16. (This observation was closed on 11 December 2013.)
- (d) The drip tray for the chemical containers was overloaded at S16. The top layer of chemical containers was removed by the contractor at S16. (This observation was closed on 11 December 2013.)
- (e) An oil container was found to be without drip tray at S16. A drip tray was provided by the contractor for the oil containers at S16. (This observation was closed on 11 December 2013.)

### **11 December 2013**

- (a) There was gap between the silt curtain at Portion X. The contractor provided maintenance for the silt curtains and there was no gap between silt curtains at Portion X. (This observation was closed on 18 December 2013.)
- (b) An oil container was found to be without drip tray at vessel Chung Shang 1003. The oil container was removed by the contractor at vessel Chung Shang 1003. (This observation was closed on 18 December 2013.)
- (c) An oil container was found to be without drip tray at S15. The oil container was removed by the contractor at S15. (This observation was closed on 18 December 2013.)
- (d) Some materials were placed on the top of oil containers at S15. The materials were removed by the contractor at S15. (This observation was closed on 18 December 2013.)
- (e) An oil container was found to be without drip tray at S17. The oil container was removed by the contractor at S17. (This observation was closed on 18 December 2013.)
- (f) Chemical containers were found to be without drip trays at S23. The chemical containers were stored inside a drip tray at S23. (This observation was closed on 18 December 2013.)

### **18 December 2013**

- (a) No drip tray was provided for chemical containers at YM01. The chemical containers were removed at YM01. (This observation was closed on 24 December 2013.)

- (b) No drip tray was provided for chemical containers at N13. The chemical containers were removed at N13. (This observation was closed on 24 December 2013.)
- (c) Stagnant water was inside the I-beams at S15. Stagnant water inside the I-beams was removed at S15. (This observation was closed on 24 December 2013.)
- (d) Stagnant water was inside a drip tray at S16. Stagnant water inside the drip tray was cleared at S16. (This observation was closed on 24 December 2013.)
- (e) Stagnant water was inside I-beam at WA03. Stagnant water inside I-beam was removed at WA03. (This observation was closed on 24 December 2013.)
- (f) Unpaved area was dry at WA04. Dry area was covered with the black plastic sheets to prevent fugitive dust emission. (This observation was closed on 24 December 2013.)
- (g) Dust emissions were generated from excavation activities at N1. Water spray was provided during excavation works to prevent dust emissions at N1. (This observation was closed on 24 December 2013.)

**24 December 2013**

- (a) Fill materials were found on the passage way of barge Tak Ming. Fill materials was cleared on the passage way of barge Tak Ming. (This observation was closed on 31 December 2013.)
- (b) Oil containers were found without drip trays at N1. Oil containers were placed inside the drip tray at N1. (This observation was closed on 31 December 2013.)
- (c) Dust emissions were generated from pilling activity at S11. Water spraying was provided during pilling activities to prevent dust emissions at S11 (This observation was closed on 31 December 2013.)
- (d) A drip tray was overloaded with chemical containers at S15. The top layer of chemical containers was removed by the contractor at S15. (This observation was closed on 31 December 2013.)

**31 December 2013**

- (a) Drain holes on drip tray for chemical containers were not sealed and oil leakage was observed at N1. The contractor was reminded to seal the drain hole at drip trays and clear oil leakage at N1.
- (b) Haul road was observed dry at N4. The contractor was reminded to strengthen dust control measures at haul road at N4.

**8 January 2014**

- (a) Drain holes on drip tray for chemical containers were not sealed and oil leakage was observed at N1. The drain hole on the drip tray was sealed by plastic stopper at N1 to prevent oil leakage. (This observation was found on 31 December 2013 and closed on 8 January 2014.)
- (b) Haul road was observed dry at N4. The Contractor sprayed water regularly for unpaved road at N4. (This observation was found on 31 December 2013 and closed on 8 January 2014.)
- (c) Stockpile of sandy materials at S15 was not covered by impervious sheeting or sprayed with water. The stockpile of sandy materials was removed at S15. (This observation was found on 31 December 2013 and closed on 8 January 2014.)

- (d) Fill materials were found on storage platform near barge Tak Ming. The fill materials were removed from the storage platform near barge Tak Ming. (This observation was closed on 15 January 2014.)
- (e) More than 20 bags of cement were not covered properly at N1. The cement bags were covered entirely by impervious sheeting at N1. (This observation was closed on 15 January 2014.)
- (f) Fill materials were found on the passage way and had not provided canvas at the gap between vessel when loading materials at S7. The fill materials were removed on the passage way and a canvas was used to cover the gap between vessel at S7. (This observation was closed on 15 January 2014.)
- (g) Stagnant water was found inside a drip tray with a generator at S8. Stagnant water was removed from the drip tray at S8. (This observation was closed on 15 January 2014.)
- (h) Construction materials were placed inside a drip tray with a generator at S8. The construction materials were removed from the drip tray at S8. (This observation was closed on 15 January 2014.)
- (i) Oil leakage was found inside a wheel washing bay at S8. The oil leakage inside wheel washing bay was cleaned up at S8. (This observation was closed on 15 January 2014.)
- (j) Oil containers were found without drip trays at S11. The oil containers were placed inside a drip tray at S11. (This observation was closed on 15 January 2014.)
- (k) Chemical containers were found without drip trays at WA03. The chemical containers were removed from WA03. (This observation was closed on 15 January 2014.)

#### **15 January 2014**

- (a) Unpaved road was observed dry at S16. Water spray was provided by Contractor on the unpaved road at S16. (This observation was closed on 22 January 2014.)
- (b) Dusty materials were not covered entirely by impervious sheeting or sprayed with water at WA4. The dusty materials were covered properly at WA4. (This observation was closed on 22 January 2014.)
- (c) Dust emissions area generated from drilling works at N13. Water spray was provided when power driven drilling activity was taken at N13. (This observation was closed on 22 January 2014.)
- (d) More than 20 bags of cement were not covered properly at S23. Cements storage area was covered properly at S23. (This observation was closed on 22 January 2014.)
- (e) Oil containers were found without drip tray at N4. The oil containers were removed by Contractor at N4. (This observation was closed on 22 January 2014.)
- (f) Chemical containers were found without drip trays at N13. Drip trays were provided for chemical containers at N13. (This observation was closed on 22 January 2014.)

#### **22 January 2014**

- (a) Oil containers were found to be without drip tray at S11. The oil containers were removed at S11. (This observation was closed on 28 January 2014.)
- (b) More than 20 bags of cement were not covered properly at S8/S9. The cement bags were removed at S8/S9. (This observation was closed on 28 January 2014.)

- (c) Sand stockpile was found to be dry and not covered properly at N1. The sand stockpile was covered properly at N1. (This observation was closed on 28 January 2014.)
- (d) Sand stockpile was found to be dry and not covered properly at S8/S9. The sand stockpile was covered at S8/S9. (This observation was closed on 28 January 2014.)
- (e) A gap was found between each silt curtains at Portion X. The contractor provided maintenance for the silt curtains and there was no gap between silt curtains at Portion X. (This observation was closed on 28 January 2014.)
- (f) A drip tray for chemical containers was overloaded at S19. The contractor provided sufficient drip tray for chemical containers. (This observation was closed on 28 January 2014.)

#### **28 January 2014**

- (a) Stagnant water was found at N13. The Contractor was reminded to remove stagnant water to avoid mosquito breeding.

#### **5 February 2014**

- (a) Stagnant water was found at the pits at site entrance N13. The pit was filled up by sand at site entrance N13. (This observation was found on 28 January 2014 and closed on 5 February 2014.)
- (b) The stagnant water was found inside a drip tray at N4. The stagnant water inside the drip tray was cleaned up and removed by the Contractor at N4. (This observation was closed on 12 February 2014.)
- (c) Excess fill materials were found on the passage way of vessel at S7. The excess fill materials on passage way of vessel were cleaned up at S7. (This observation was closed on 12 February 2014.)
- (d) Dusty materials were not covered properly at WA04. Dusty materials were covered properly at WA04. (This observation was closed on 12 February 2014.)
- (e) The chemical container was found without drip tray at S11. The chemical container was removed at S11. (This observation was closed on 12 February 2014.)

#### **12 February 2014**

- (a) The gap between vessel Tak Ming and the sand pump platform should be covered by canvas when transfer of sand. A canvas was used to cover the gap between Tak Ming and sand pump platform. (This observation was closed on 19 February 2014.)
- (b) Sand was found on the plastic bucket near the sand pump platform. Sand was removed from the plastic bucket near the sand pump platform. (This observation was closed on 19 February 2014.)
- (c) Chemical and oil containers were found without drip trays at N18. Chemical and oil containers were removed at N18. (This observation was closed on 19 February 2014.)
- (d) Oil leakage was found inside a wheel washing bay at S8. Oil leakage in the wheel washing bay at S8 was cleaned up. (This observation was closed on 19 February 2014.)
- (e) No bund was provided for the storage area for oil containers at S16 to retain potential oil leakage. The oil containers were removed from the storage area at S16. (This observation was closed on 19 February 2014.)

**19 February 2014**

- (a) Excess fill materials were found on the passage way of Chun Ming 68 at S7. Excess fill material on the passage way of Chun Ming 68 at S7 was cleaned up. (This observation was closed on 28 February 2014.)
- (b) Oil leakage was found under the generator at S19. Oil leakage under the generator was cleaned up at S19. (This observation was closed on 28 February 2014.)
- (c) Rubbish was found under the generator at S19. Rubbish under the generator was cleaned up at S19. (This observation was closed on 28 February 2014.)
- (d) Oil container and chemical containers were found without drip tray at S25. Drip tray was provided to the containers at S25. (This observation was closed on 28 February 2014.)
- (e) Oil leakage was found on the road surface at S23. Oil leakage was cleaned up on the road surface at S23. (This observation was closed on 28 February 2014.)
- (f) Stagnant water was found on the concrete slab at S25. Stagnant water on the concrete slab was cleaned up at S25. (This observation was closed on 28 February 2014.)

**28 February 2014**

- (a) Haul road was dry at N4. The Contractor was reminded to provide water spray at N4.
- (b) Oily film was observed at West Portal. The Contractor was reminded to clean up as chemical waste properly.
- (c) The plug to block the drain hole of drip tray was missing at S23. The Contractor was reminded to provide a plug to avoid oil spillage.
- (d) Stagnant water was found in a drip tray without plug blocking the drain hole at S23. The Contractor was reminded to clean up stagnant water and provide a plug to avoid oil spillage at S23.

The Contractor has rectified most of the observations as identified during environmental site inspections during the reporting month. Follow-up actions for outstanding observations will be inspected during the next site inspections.