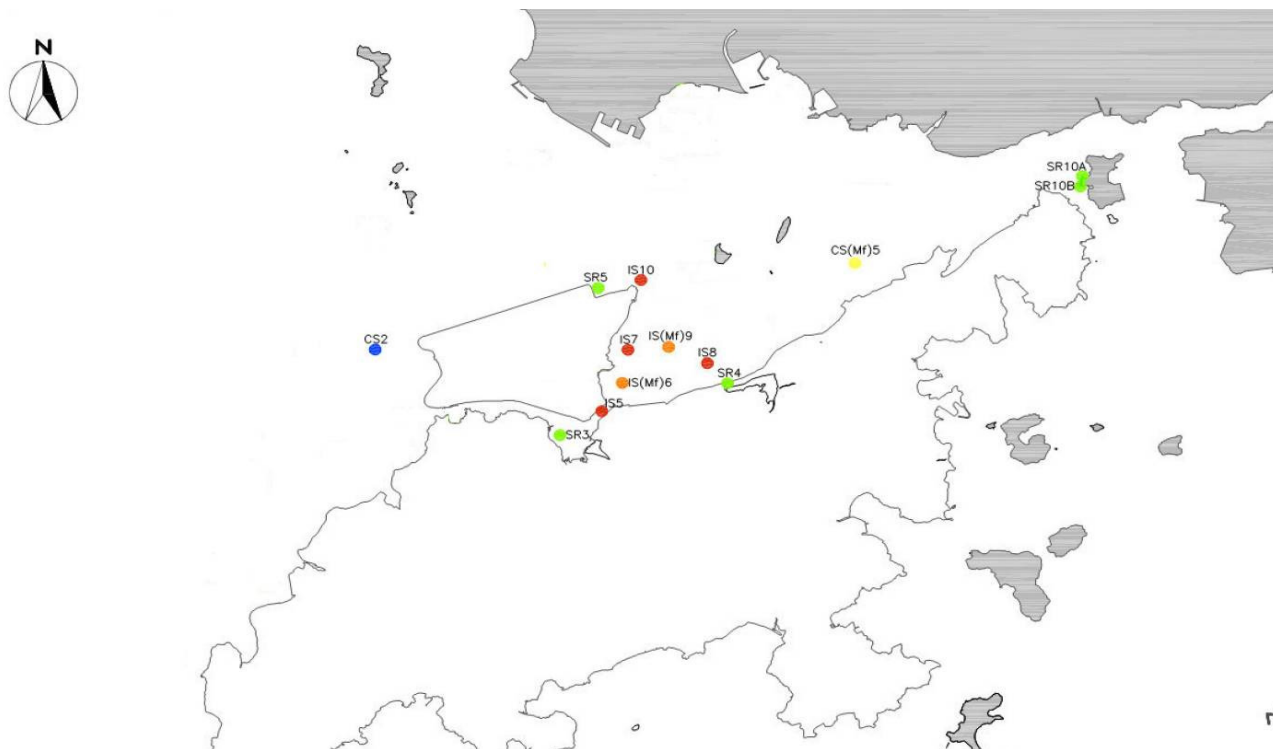


|   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
|---|---|-------|---|---|---------------------------------|-----------------------------------|-----------------------|---|--|--|---|--|--|---------|-----|----|------|-----|----|----|
| Contract No. HY/2011/03 -<br>Hong Kong- Zhuhai- Macao Bridge<br>Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities<br>Notifications of Environmental Quality Limits Exceedances   |   |       |   |   |                                 |                                   | Notification No.: 149 |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Date of Notification: 19 September 2013   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Works Inspected: Data collected from water sampling works on 6 September 2013 and the test report was issued on 13 September 2013.  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Monitoring Location: Water Quality Monitoring Stations  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Parameter: Dissolved Oxygen (DO)/ Suspended Solids (SS)/ Turbidity (TURB)   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Action & Limit Level (AL & LL) / Measured Level:  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| PARAM   | STATION                                       | DEPTH | AL (mg/L)   | LL (mg/L)   | MEASURED AT MID-EBB TIDE (mg/L) | MEASURED AT MID-FLOOD TIDE (mg/L) |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| SS  | IS(Mf)9                                       | DA    | <b>23.5</b> and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.35 x 120% = <b>4.0</b> mg/L for mid ebb) AND CS(Mf)5: 4.40 x 120% = <b>5.3</b> mg/L for mid flood) | <b>34.4</b> and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.35 x 130% = <b>4.4</b> mg/L for mid ebb) AND CS(Mf)5: 4.40 x 130% = <b>5.7</b> mg/L for mid flood) | 4.6                             | <b>24.4</b>                       |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Notes:<br>DA means depth average.<br><b><i>Bold Italic</i></b> means AL exceedances.<br><b><i><u>Bold Italic with underline</u></i></b> means LL exceedances.   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Possible reason for Action or Limit Level Non-compliance:   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| On 6 September 2013, an AL exceedance at station IS(Mf)9 was recorded during mid-flood tide.  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| 1. Geotextile laying activity at Zone 1 and filling activities at Zone 3A and Zone 2 were carried within silt curtain as recommended in the EIA Report.   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| 2. The ranges of suspended solid at station IS(Mf)9 during the baseline monitoring are shown as below:  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| <table><tr><td>Station</td><td colspan="3">Range of Suspended Solid (mg/L) Mid- Ebb Tide</td><td colspan="3">Range of Suspended Solid (mg/L) Mid- Flood Tide</td></tr><tr><td>IS(Mf)9</td><td>5.5</td><td>to</td><td>20.1</td><td>7.3</td><td>to</td><td>26</td></tr></table> |   |       |   |   |                                 |                                   | Station               | Range of Suspended Solid (mg/L) Mid- Ebb Tide |  |  | Range of Suspended Solid (mg/L) Mid- Flood Tide |  |  | IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| Station   | Range of Suspended Solid (mg/L) Mid- Ebb Tide |       |   | Range of Suspended Solid (mg/L) Mid- Flood Tide   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| IS(Mf)9   | 5.5   | to    | 20.1  | 7.3   | to                              | 26                                |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| The measured value at station IS(Mf)9 was within the range of suspended solid during baseline monitoring for mid-flood tide.  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| 3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| 4. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| As such, the suspended solid levels are considered to be attributed to other external factors, rather than the contract works.  |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| Actions taken/ to be taken:   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |
| As the suspended solid levels recorded beyond the water quality criteria were not related to contract works, no immediate actions are considered necessary.   |   |       |   |   |                                 |                                   |                       |   |  |  |   |  |  |         |     |    |      |     |    |    |

**Location Plan:**



Reviewed by : Claudine Lee

Title : ET Leader

Date : 19 September 2013

Copied to : Supervising Officer, IEC, EPD, Contractor, ENPO

**Date of Notification:** 4 October 2013

**Works Inspected:** Data collected from water sampling works on 16 September 2013 and the test report was issued on 23 September 2013.

**Monitoring Location:** Water Quality Monitoring Stations

**Parameter:** ~~Dissolved Oxygen (DO)~~/ Suspended Solids (SS)/ ~~Turbidity (TURB)~~

**Action & Limit Level (AL & LL) / Measured Level:**

| PARAM | STATION | DEPTH | AL (mg/L)  | LL (mg/L)  | MEASURED AT MID-EBB TIDE (mg/L) | MEASURED AT MID-FLOOD TIDE (mg/L) |
|-------|---------|-------|--|--|---------------------------------|-----------------------------------|
| SS    | IS(Mf)6 | DA    | <b>23.5</b> and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.58 x 120% = <b>5.5</b> mg/L for mid ebb) AND<br>CS(Mf)5: 6.70 x 120% = <b>8.0</b> mg/L for mid flood) | <b>34.4</b> and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.58 x 130% = <b>6.0</b> mg/L for mid ebb) AND<br>CS(Mf)5: 6.70 x 130% = <b>8.7</b> mg/L for mid flood) | <b>24.9</b>                     | 12.5                              |

Notes:  
 DA means depth average.  
***Bold Italic*** means AL exceedances.  
***Bold Italic with underline*** means LL exceedances.

**Possible reason for Action or Limit Level Non-compliance:**

On 16 September 2013, an AL exceedance at station IS(Mf)6 was recorded during mid-ebb tide.

The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:

- Geotextile laying activity and filling works at Zone 1, stone column installation and filling works at Zone 2 and stone column installation at Zone 3A were carried within silt curtain as recommended in the EIA Report.
- The ranges of suspended solid at station IS(Mf)6 during the baseline monitoring are shown as below:

| Station | Range of Suspended Solid (mg/L) Mid- Ebb Tide |       | Range of Suspended Solid (mg/L) Mid- Flood Tide |       |
|---------|---|-------|---|-------|
| IS(Mf)6 | 7.1   | to 19 | 8.5   | to 35 |

The measured value at station IS(Mf)6 was above the range of suspended solid during baseline monitoring for mid-ebb tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

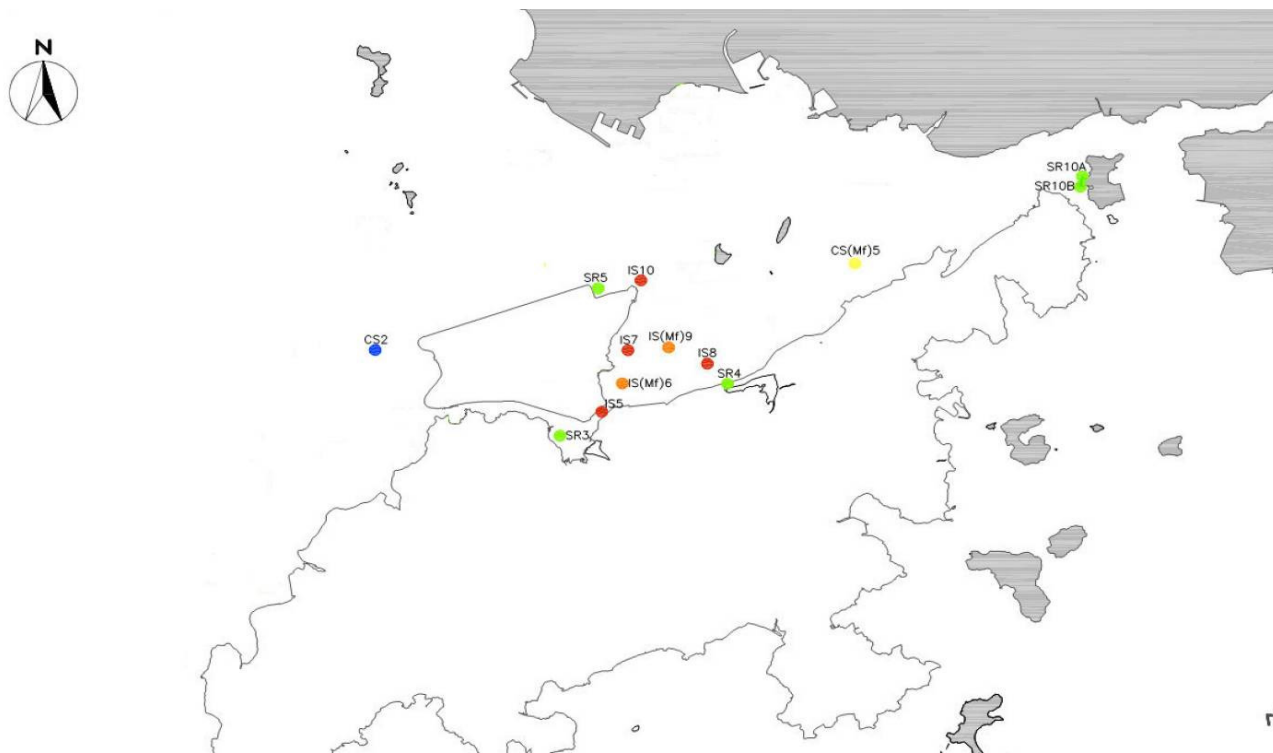
- No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels are considered to be attributed to other external factors, rather than the contract works.

**Actions taken/ to be taken:**

As the suspended solid levels recorded beyond the water quality criteria were not related to contract works, no immediate actions are considered necessary.

**Location Plan:**



Reviewed by : Claudine Lee

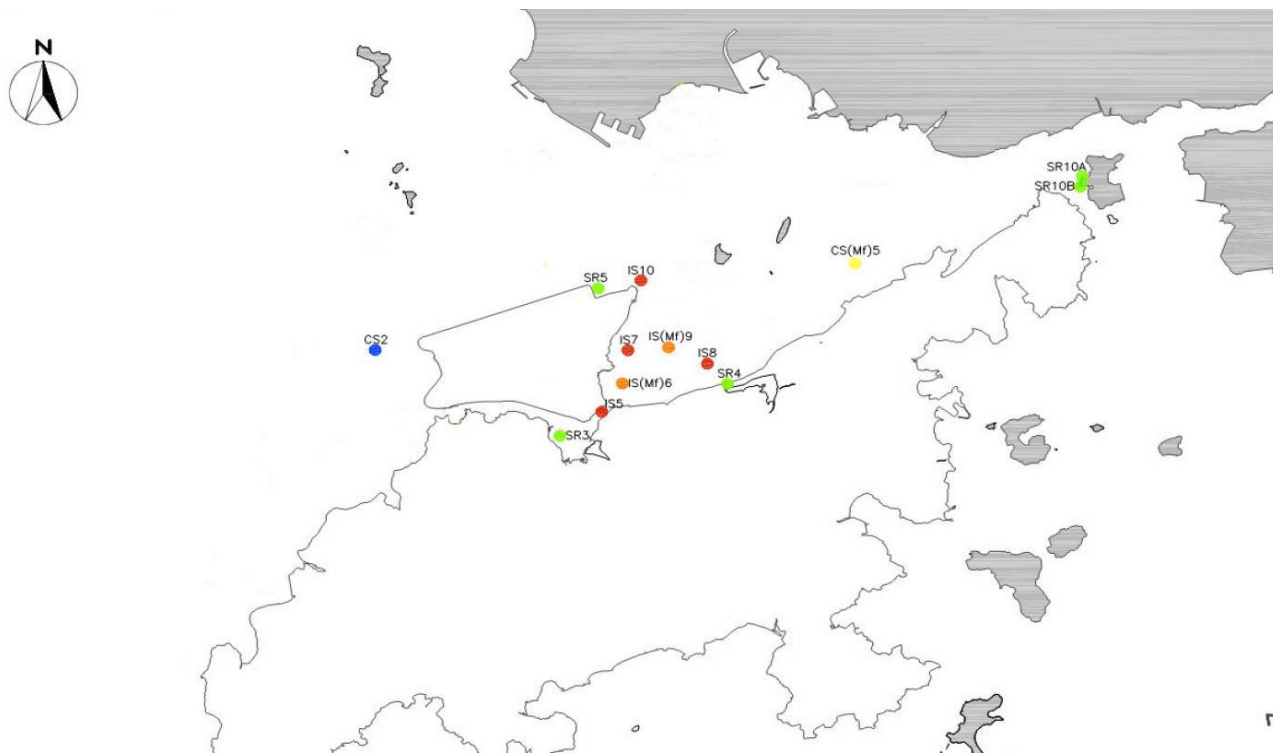
Title : ET Leader

Date : 4 October 2013

Copied to : Supervising Officer, IEC, EPD, Contractor, ENPO

| <b>Contract No. HY/2011/03 - Hong Kong- Zhuhai- Macao Bridge</b><br><b>Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities</b><br><b>Notifications of Environmental Quality Limits Exceedances</b> <span style="float: right;">Notification No.: 151</span>   |   |   |  |  |                                 |                                   |         |   |   |     |           |             |
|--|---|---|--|--|---------------------------------|-----------------------------------|---------|---|---|-----|-----------|-------------|
| <b>Date of Notification:</b> 4 October 2013  |   |   |  |  |                                 |                                   |         |   |   |     |           |             |
| <b>Works Inspected:</b> Data collected from water sampling works on 18 September 2013 and the test report was issued on 26 September 2013.   |   |   |  |  |                                 |                                   |         |   |   |     |           |             |
| <b>Monitoring Location:</b> Water Quality Monitoring Stations  |   |   |  |  |                                 |                                   |         |   |   |     |           |             |
| <b>Parameter:</b> <del>Dissolved Oxygen (DO)</del> / Suspended Solids (SS)/ <del>Turbidity (TURB)</del>  |   |   |  |  |                                 |                                   |         |   |   |     |           |             |
| <b>Action &amp; Limit Level (AL &amp; LL) / Measured Level:</b>  |   |   |  |  |                                 |                                   |         |   |   |     |           |             |
| PARAM  | STATION                                       | DEPTH   | AL (mg/L)  | LL (mg/L)  | MEASURED AT MID-EBB TIDE (mg/L) | MEASURED AT MID-FLOOD TIDE (mg/L) |         |   |   |     |           |             |
| SS   | SR4   | DA  | <b>23.5</b> and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.08 x 120% = <b>7.3</b> mg/L for mid ebb) AND<br>CS(Mf)5: 6.92 x 120% = <b>8.3</b> mg/L for mid flood) | <b>34.4</b> and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.08 x 130% = <b>7.9</b> mg/L for mid ebb) AND<br>CS(Mf)5: 6.92 x 130% = <b>9.0</b> mg/L for mid flood) | 7.8                             | <b>23.8</b>                       |         |   |   |     |           |             |
| <p>Notes:<br/>           DA means depth average.<br/> <b><i>Bold Italic</i></b> means AL exceedances.<br/> <b><i><u>Bold Italic with underline</u></i></b> means LL exceedances.</p> <p><b>Possible reason for Action or Limit Level Non-compliance:</b></p> <p>On 18 September 2013, an AL exceedance at station SR4 was recorded during mid-flood tide.</p> <p>The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:</p> <ol style="list-style-type: none"> <li>Stone column installation and filling works at Zone 2 and filling works at Zone 3B were carried within silt curtain as recommended in the EIA Report.</li> <li>The ranges of suspended solid at station SR4 during the baseline monitoring are shown as below:</li> </ol> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <tr> <th style="width: 10%;">Station</th> <th style="width: 40%;">Range of Suspended Solid (mg/L) Mid- Ebb Tide</th> <th style="width: 50%;">Range of Suspended Solid (mg/L) Mid- Flood Tide</th> </tr> <tr> <td>SR4</td> <td>5.3 to 20</td> <td>5.6 to 24.5</td> </tr> </table> <p>The measured value at station SR4 was within the range of suspended solid during baseline monitoring for mid-flood tide.</p> <ol style="list-style-type: none"> <li>There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.</li> <li>No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.</li> </ol> <p>As such, the suspended solid levels are considered to be attributed to other external factors, rather than the contract works.</p> |   |   |  |  |                                 |                                   | Station | Range of Suspended Solid (mg/L) Mid- Ebb Tide | Range of Suspended Solid (mg/L) Mid- Flood Tide | SR4 | 5.3 to 20 | 5.6 to 24.5 |
| Station  | Range of Suspended Solid (mg/L) Mid- Ebb Tide | Range of Suspended Solid (mg/L) Mid- Flood Tide |  |  |                                 |                                   |         |   |   |     |           |             |
| SR4  | 5.3 to 20                                     | 5.6 to 24.5                                     |  |  |                                 |                                   |         |   |   |     |           |             |
| <p><b>Actions taken/ to be taken:</b></p> <p>As the suspended solid levels recorded beyond the water quality criteria were not related to contract works, no immediate actions are considered necessary.</p>   |   |   |  |  |                                 |                                   |         |   |   |     |           |             |

**Location Plan:**



Reviewed by : Claudine Lee

Title : ET Leader

Date : 4 October 2013

Copied to : Supervising Officer, IEC, EPD, Contractor, ENPO