

## Appendix N Exceedance Report


## Statistical Summary of Exceedances in the Reporting Period

| Water Quality (Regular DCM) |              |             |       |
|-----------------------------|--------------|-------------|-------|
| Location                    | Action Level | Limit Level | Total |
| B1                          | 1            | 0           | 1     |
| B2                          | 0            | 0           | 0     |
| B3                          | 0            | 0           | 0     |
| B4                          | 0            | 0           | 0     |
| CR1                         | 0            | 0           | 0     |
| CR2                         | 0            | 0           | 0     |
| F1A                         | 0            | 0           | 0     |
| H1                          | 0            | 0           | 0     |
| S1                          | 0            | 0           | 0     |
| S2A                         | 0            | 0           | 0     |
| S3                          | 0            | 0           | 0     |
| M1                          | 0            | 0           | 0     |

| Noise (Day Time)     |              |             |       |
|----------------------|--------------|-------------|-------|
| Location             | Action Level | Limit Level | Total |
| M1 / N_S1            | 0            | 0           | 0     |
| M2 / N_S2            | 0            | 0           | 0     |
| M3 / N_S3            | 0            | 0           | 0     |
| Noise (Evening Time) |              |             |       |
| Location             | Action Level | Limit Level | Total |
| M1 / N_S1            | 0            | 0           | 0     |
| M2 / N_S2            | 0            | 0           | 0     |
| M3 / N_S3            | 0            | 0           | 0     |
| Noise (Night Time)   |              |             |       |
| Location             | Action Level | Limit Level | Total |
| M1 / N_S1            | 0            | 0           | 0     |
| M2 / N_S2            | 0            | 0           | 0     |
| M3 / N_S3            | 0            | 0           | 0     |

**Incident Report on Action Level or Limit Level Non-compliance**

|  |   |                                  |   |
|--|---|----------------------------------|---|
| Project  | Integrated Waste Management Facilities, Phase 1   |                                  |   |
| Date   | 12 June 2019 (Lab result received on 17 June 2019)  |                                  |   |
| Time   | 08:00 – 11:01 (Mid-Ebb)   |                                  |   |
| Mid-Ebb  |   |                                  |   |
| Monitoring Location                                      | <p>B1</p> <p>The map shows the Shek Kwu Chau area with various monitoring stations marked with green dots. A red circle highlights station B1. A red square indicates the proposed outfall. Four lines represent the proposed 132KV submarine cables. A purple shaded area shows the IWMF site boundary, and a green dashed line shows the IWMF site footprint. A key in the bottom right corner defines the symbols used on the map.</p>   |                                  |   |
| Parameter  | Suspended Solid (SS)  |                                  |   |
| Action & Limit Levels                                    | Action Level  |                                  | Limit Level   |
|  | ≥ 12.0 mg/L   |                                  | ≥ 14.0 mg/L   |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                 | Impact Station(s) without Exceedance  |
|  | 13.3 mg/L (B1)  | 4.7 mg/L (C1A)<br>2.5 mg/L (C2A) | 8.3 mg/L (B2)<br>3.5 mg/L (B3)<br>3.0 mg/L (B4)<br>4.0 mg/L (F1A)<br>3.7 mg/L (H1)<br>5.7 mg/L (M1)<br>7.2 mg/L (CR1)<br>5.7 mg/L (CR2)<br>4.0 mg/L (S1)<br>3.3 mg/L (S2A)<br>4.3 mg/L (S3) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 12/06 include DCM main works, DCM sample coring for DCM main works, installation of precast units at Static Loading Test area, cone penetration test and dredging at vertical seawall area.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>B1 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location, exceedance of this monitoring station is deemed to be unrelated to the Project.</p> |                                  |   |

|                                    | <p>From MMO monitoring records on 12/06, MMO teams were arranged for three DCM barges (Penstone 1, ESC-61 &amp; ESC-62) and two derrick barges (DL-5 &amp; Cheung Kee No.10) on that day while no deficiency of silt curtain was found before the start of construction activity.</p> <p>Silt curtain checking was implemented on DL-5 (12:00), Cheung Kee No.10 (15:00), ESC-61 (12:30) &amp; ESC-62 (14:30) by the Contractor and checking results showed that no deficiency of silt curtain was found on that day. No DCM main work scheduled on Penstone 1 was carried with referring to the site diary on that day.</p> <p>Site tidiness on the barges was checked during the weekly site inspection on 11 June 2019. No major observation of improper site practices that could contribute to the increase of the suspended solids was recorded.</p> |        |  |              |              |       |         |         |         |         |               |
|------------------------------------|--|--------|--|--------------|--------------|-------|---------|---------|---------|---------|---------------|
| <p>Actions taken / to be taken</p> | <p>Examination of environmental performance of the Project will be continued during the weekly inspection, and the Contractor is reminded to implement all applicable mitigation measures as per the Updated EM&amp;A Manual.</p>  |        |  |              |              |       |         |         |         |         |               |
| <p>Remarks</p>                     | <p>Current direction during mid-ebb sampling on 12/06:</p>  <table border="1" data-bbox="486 1422 1002 1608"> <thead> <tr> <th colspan="2">Legend</th> </tr> <tr> <th>Speed (knot)</th> <th>Speed (knot)</th> </tr> </thead> <tbody> <tr> <td>0-0.5</td> <td>1.5-2.0</td> </tr> <tr> <td>0.5-1.0</td> <td>2.0-2.5</td> </tr> <tr> <td>1.0-1.5</td> <td>2.5 and above</td> </tr> </tbody> </table> <p>(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)</p>   | Legend |  | Speed (knot) | Speed (knot) | 0-0.5 | 1.5-2.0 | 0.5-1.0 | 2.0-2.5 | 1.0-1.5 | 2.5 and above |
| Legend                             |  |        |  |              |              |       |         |         |         |         |               |
| Speed (knot)                       | Speed (knot)   |        |  |              |              |       |         |         |         |         |               |
| 0-0.5                              | 1.5-2.0  |        |  |              |              |       |         |         |         |         |               |
| 0.5-1.0                            | 2.0-2.5  |        |  |              |              |       |         |         |         |         |               |
| 1.0-1.5                            | 2.5 and above  |        |  |              |              |       |         |         |         |         |               |
| <p>Prepared by</p>                 | <p>Polar Chan</p>  |        |  |              |              |       |         |         |         |         |               |
| <p>Date</p>                        | <p>20 June 2019</p>  |        |  |              |              |       |         |         |         |         |               |