

Appendix N Exceedance Report

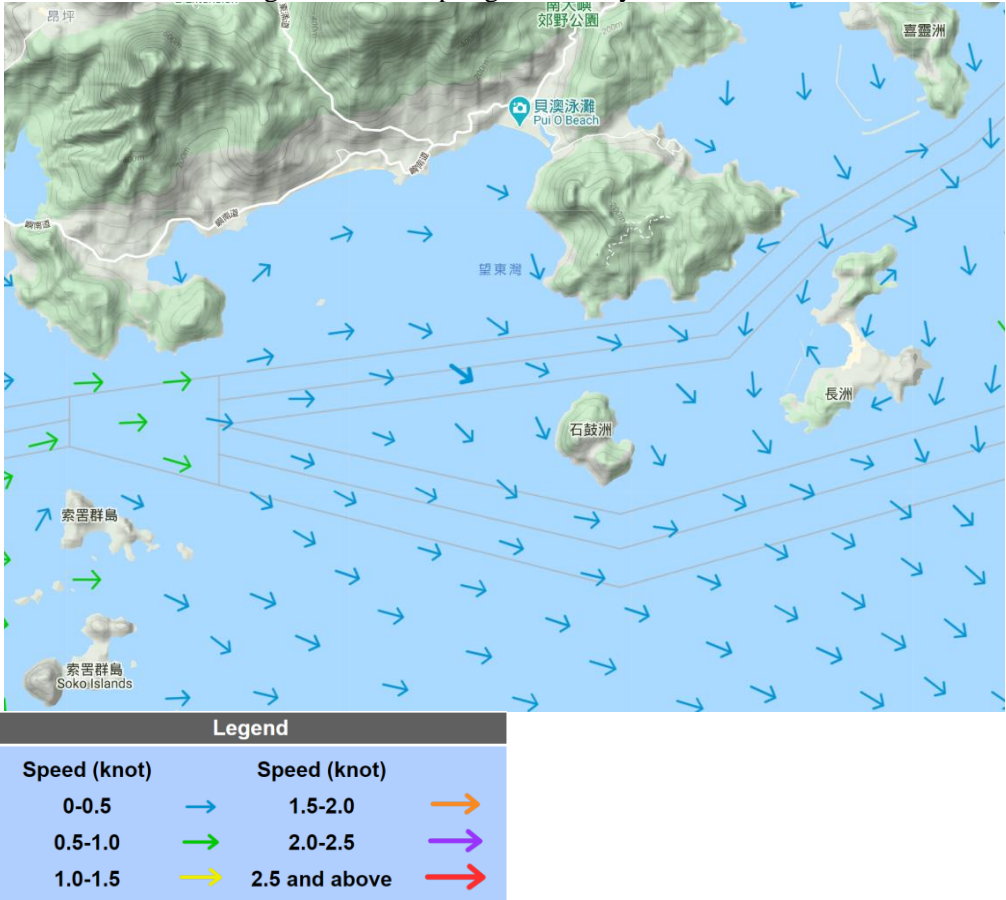
Statistical Summary of Exceedances in the Reporting Period

| Water Quality (Regular DCM) | | | |
|-----------------------------|--------------|-------------|-------|
| Location | Action Level | Limit Level | Total |
| B1 | 0 | 0 | 0 |
| 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 | 1 | 0 | 1 |
| S2A | 0 | 1 | 1 |
| S3 | 1 | 0 | 1 |
| M1 | 0 | 0 | 0 |

| Noise (Day Time) | | | |
|----------------------|--------------|-------------|-------|
| Location | Action Level | Limit Level | Total |
| MA | 0 | 0 | 0 |
| Noise (Evening Time) | | | |
| Location | Action Level | Limit Level | Total |
| MA | 0 | 0 | 0 |
| Noise (Night Time) | | | |
| Location | Action Level | Limit Level | Total |
| MA | 0 | 0 | 0 |

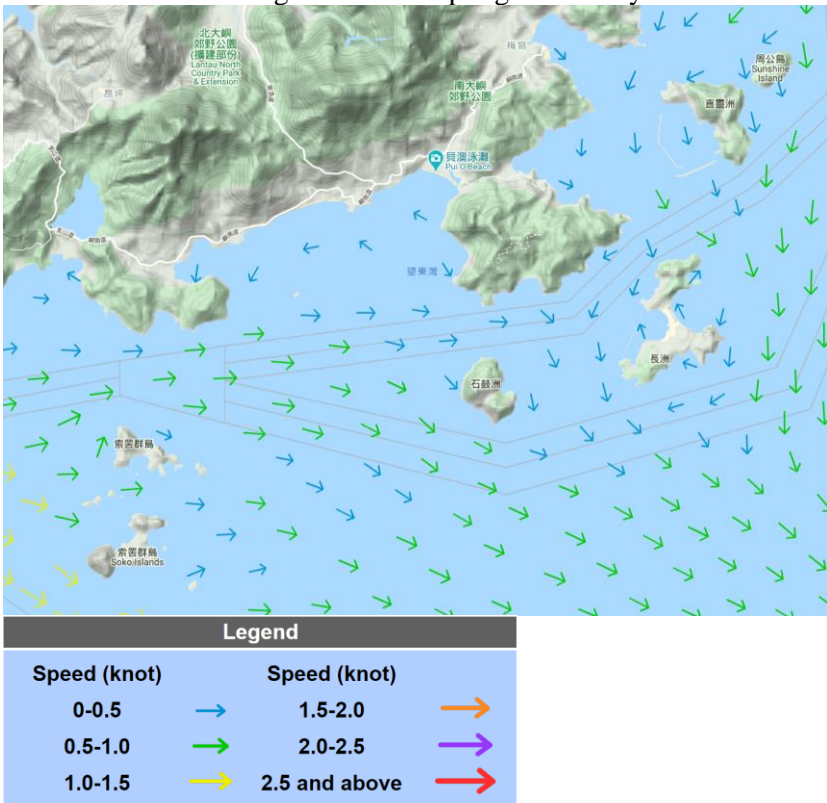
Incident Report on Action Level or Limit Level Non-compliance

| | | | |
|--|--|----------------------------------|---|
| Project | Integrated Waste Management Facilities, Phase 1 | | |
| Date | 13 May 2020 (Lab result received on 18 May 2020) | | |
| Time | 15:10 – 18:40 (Mid-Ebb) | | |
| Monitoring Location | Mid-Ebb | | |
| | <p>S1</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 |
| | 12.3 mg/L (S1) | 7.0 mg/L (C1A) 8.2 mg/L (C2A) | 5.8 mg/L (B1) 5.3 mg/L (B2) 7.3 mg/L (B3) 7.5 mg/L (B4) 9.5 mg/L (F1A) 9.7 mg/L (H1) 10.7 mg/L (M1) 9.8 mg/L (CR1) 8.0 mg/L (CR2) 10.5 mg/L (S2A) 8.7 mg/L (S3) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 13 May 2020 include DCM main works, PVD installation, DCM sample coring for DCM main works, laying of geotextile, cone penetration test, levelling the slag materials, loading slag materials, dredging work, G200 drop test, installation of blockwork seawall, laying of rockfill, installation of metal plates and laying sand blanket.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>S1 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</p> | | |

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|------------------------------------|--|
| | <p>unrelated to the Project.</p> <p>Silt curtain checking by the Contractor was implemented on ESC-61 (07:00), GD-851 (07:00) & 宏建 1 (07:00) and checking results showed that no deficiency of silt curtain was found on that day.</p> <p>From MMO monitoring records on 13 May 2020, MMO team were arranged for two derrick barges (GD-851 & 宏建 1) and one DCM barge (ESC-61) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 5 May 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids 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 remained to implement all applicable mitigation measures as per the Updated EM&A Manual.</p> |
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 13 May 2020:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |
| <p>Prepared by</p> | <p>Polar Chan</p> |
| <p>Date</p> | <p>18 May 2020</p> |

Incident Report on Action Level or Limit Level Non-compliance

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|--|--|----------------------------------|---|
| Project | Integrated Waste Management Facilities, Phase 1 | | |
| Date | 22 May 2020 (Lab result received on 26 May 2020) | | |
| Time | 10:30 – 14:00 (Mid-Ebb) | | |
| Monitoring Location | Mid-Ebb | | |
| | | | |
| 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 |
| | 16.2 mg/L (S2A) 13.5 mg/L (S3) | 6.8 mg/L (C1A) 7.3 mg/L (C2A) | 6.3 mg/L (B1) 5.5 mg/L (B2) 5.5 mg/L (B3) 3.5 mg/L (B4) 5.5 mg/L (F1A) 5.2 mg/L (H1) 7.7 mg/L (M1) 9.7 mg/L (CR1) 9.2 mg/L (CR2) 6.0 mg/L (S1) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 22 May 2020 include DCM main works, PVD installation, DCM sample coring for DCM main works, laying of geotextile, cone penetration test, levelling the slag materials, loading slag materials, dredging work, storage sand, installation of blockwork seawall, laying of rockfill, caisson installation and laying of sand blanket.</p> <p>Dominating sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>S2A 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>S3 is located close to works location within the Project site while silt curtain checking by the Contractor was implemented on GD-851 (07:00) and checking results showed that no deficiency of silt curtain was found on that day. No DCM works scheduled in ESC-61 was carried out with refer to the site diary on that day. No loading works of slag materials scheduled in DL-5 was carried out with refer to the site diary on that day. As confirmed by the Contractor, no slag materials levelling was conducted by 永照 18 on that day.</p> <p>From MMO monitoring records on 22 May 2020, MMO team were arranged for three derrick barges (DL-5, GD-851 & 永照 18) and one DCM barge (ESC-61) on that day while no deficiency of silt curtain was found before the commencement of and during construction activity. As confirmed by on duty MMO, GD-851 & 永照 18 were working in pair and using the same silt curtain, therefore, the silt curtain of GD-851 & 永照 18 was checked by MMO at the same time.</p> <p>According to the field observation by Marine Mammal Observer team & sampling team during sampling event, no silt plume was observed in the Project site. It might suggest that exceedances at S3 is deemed to be unrelated to the Project.</p> <p>Site tidiness in the present barges in the Project site were checked during weekly site inspection on 19 May 2020. No major observation of improper site practices that could contribute to the increase of the suspended solids 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&A Manual.</p> |
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 22 May 2020:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |
| <p>Prepared by</p> | <p>Polar Chan</p> |
| <p>Date</p> | <p>28 May 2020</p> |