

Annex F4

Investigation Reports of Environmental Quality Limit Exceedance

Investigation Report of Environmental Quality Limit Exceedance

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| Project | South East New Territories (SENT) Landfill Extension |
| Date | 17 September 2020 |
| Time | 14:27 and 14:36 (Duplicate) |
| Monitoring Location | DP6 |
| Parameter | Surface Water (pH) |
| Action / Limit Levels | Action level: >8.39 Limit level: >8.40 |
| Measured Level | DP6: 8.94 & 8.94 DP6 (Duplicate): 8.87 & 8.89 |
| Possible reason | <p>From the on-site rainfall record of September 2020, heavy rainfall events were recorded on 14 to 17 September 2020 before the sampling event. Amber rainstorm warning signal was also issued by the Hong Kong Observatory on 15 September 2020. On 15 September 2020, muddy surface water discharge and overflow from other project sites to the temporary drain along southern site boundary leading to DP6 was observed. The sample taken at DP6 on the day might not represent the surface water runoff from SENTX and further upstream.</p> <p>In addition, no works which may lead to potential pH increase (e.g. concreting works) was conducted in the vicinity of surface water channel leading to DP6 on the sampling day based on on-site observations and construction activities described by the Contractor. Site surface runoff collected at DP6 channel was treated by the Wetsep prior to discharge. Wetsep near DP6 was functioning properly during the sampling event.</p> <p>Environmental deficiency was not observed during the weekly site inspection on 17 September 2020 morning before the surface water monitoring. The Contractor has implemented the surface water control and mitigation measures recommended in the updated EM&A Manual.</p> <p>Due to presence of the influencing factor other project site and no potential source from the Project-related activities which may lead to pH increase was identified, there is no adequate evidence showing that the pH exceedance at DP6 was deemed to Project-related activities.</p> <p>It is also noted that the Water Pollution Control Ordinance (WPCO) water discharge licence was obtained by the Contractor for the operation of the Wetsep near DP6 and the allowable discharge limit for pH is 6 to 9. The treated water from the Wetsep did not exceed the WPCO discharge limit and cause any adverse water quality impact.</p> |

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| Action Taken / Action to be Taken | <p>Examination of environmental performance of the Project will be continued during the weekly inspections. The Contractor is reminded to implement relevant and appropriate mitigation measures according to the updated EM&A Manual to avoid any exceedance of the Action and Limit Levels.</p> <p>In addition, the Contractor was reminded to discuss the surface water drainage and overflow issues with WSD/ CEDD so that there will be no surface water runoff from other project site to the SENTX boundary.</p> |
| Remarks | - |

Prepared by: Abbey Lau
Designation: Environmental Team
Date: 29 September 2020

Investigation Report of Environmental Quality Limit Exceedance

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| Project | South East New Territories (SENT) Landfill Extension |
| Date | 17 September 2020 |
| Time | 14:27 and 14:36 (Duplicate) |
| Monitoring Location | DP6 |
| Parameter | Surface Water (Suspended Solids (SS)) |
| Action / Limit Levels | Action level: >11.7 mg/L Limit level: >12.7 mg/L |
| Measured Level | DP6: 62.9 mg/L DP6 (Duplicate): 62.1 mg/L |
| Possible reason | <p>From the on-site rainfall record of September 2020, heavy rainfall events were recorded on 14 to 17 September 2020 before the sampling event. Amber rainstorm warning signal was also issued by the Hong Kong Observatory on 15 September 2020. On 15 September 2020, muddy surface water discharge and overflow from other project site to the temporary drain along southern site boundary leading to DP6 was observed. The sample taken at DP6 on the day might not represent the surface water runoff from SENTX and further upstream.</p> <p>In addition, no works which may lead to potential SS increase (e.g. active stockpiling and excavation works) was conducted in the vicinity of surface water channel leading to DP6 on the sampling day based on on-site observations and construction activities described by the Contractor. Site surface runoff collected at DP6 channel was treated by the Wetsep prior to discharge.</p> <p>Environmental deficiency was not observed during the weekly site inspection on 17 September 2020 morning. The Contractor has implemented the surface water control and mitigation measures recommended in the updated EM&A Manual.</p> <p>Due to presence of the influencing factor other project sites and no potential source from the Project-related activities which may lead to SS increase was identified, there is no adequate evidence showing that the SS exceedance at DP6 was deemed to Project-related activities.</p> |
| Action Taken / Action to be Taken | <p>Examination of environmental performance of the Project will be continued during the weekly inspections. The Contractor is reminded to implement relevant and appropriate mitigation measures according to the updated EM&A Manual to avoid any exceedance of the Action and Limit Level.</p> <p>In addition, the Contractor was reminded to discuss the surface water drainage and overflow issues with WSD/ CEDD so that</p> |

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| | there will be no surface water runoff from other project site to the SENTX boundary. |
| Remarks | - |

Prepared by: Abbey Lau
Designation: Environmental Team
Date: 9 October 2020