

Annex F4

Investigation Reports of Environmental Quality Limit Exceedance

Investigation Report of Environmental Quality Limit Exceedance

Project	South East New Territories (SENT) Landfill Extension
Date	9 April 2020
Time	DP6: 14:23 hrs and 14:34 hrs (Duplicate)
Monitoring Location	DP6
Parameter	Surface Water (pH)
Action / Limit Levels	DP6: Action level: >8.39 Limit level: >8.40
Measured Level	DP6: 9.65 & 9.46 DP6 (Duplicate): 9.60 & 9.62
Possible reason	<p>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 and before the sampling day based on on-site observations and construction activities described by the Contractor. During the sampling event, no potential surface water overflow to the DP6 channel was observed.</p> <p>Berm was constructed along the DP6 channel to collect the surface runoff which was treated by the Wetsep prior to discharge. Yet during the sampling event, it was observed that the Wetsep near DP6 was not functioning properly with reference to the on-site checking of the treated water at the outlet of the Wetsep. The pH display of the Wetsep was found not functioning properly while the pH of the treated water at the Wetsep outlet (i.e. 9.55) exceeded the Action and Limit Level.</p> <p>Based on the above, the pH 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 shall repair the pH display and review the efficiency of the Wetsep at DP6. The Contractor shall also check and monitor the Wetsep operation regularly to ensure it is functioning properly at all times and the quality of the treated water comply with the discharge standard.</p>
Remarks	-

Prepared by: Abbey Lau
 Designation: Environmental Team
 Date: 22 April 2020

Investigation Report of Environmental Quality Limit Exceedance

Project	South East New Territories (SENT) Landfill Extension
Date	9 April 2020
Time	DP6: 14:23 hrs and 14:34 hrs (Duplicate)
Monitoring Location	DP6
Parameter	Surface Water (Suspended Solids (SS))
Action / Limit Levels	DP6: Action level: >11.7 mg/L Limit level: >12.7 mg/L
Measured Level	DP6: 107 mg/L DP6 (Duplicate): 114 mg/L
Possible reason	<p>No works which may lead to potential SS increase was conducted in the vicinity of surface water channel leading to DP6 on and before the sampling day based on on-site observations and construction activities described by the Contractor. During the sampling event, no potential surface water overflow to the DP6 channel was observed.</p> <p>Berm was constructed along the DP6 channel to collect the surface runoff which was treated by the Wetsep prior to discharge. Yet during the sampling event, it was observed that the Wetsep near DP6 was not functioning properly with reference to the on-site checking of the treated water at the outlet of the Wetsep. The treated water was observed to be muddy at the Wetsep outlet.</p> <p>Based on the above, 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 shall review the efficiency of the Wetsep at DP6 and check and monitor the Wetsep operation regularly to ensure it is functioning properly at all times and the quality of the treated water comply with the discharge standard.</p>
Remarks	-

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