

Annex D8

Investigation Reports of
Environmental Quality
Limit Exceedance

Investigation Report of Environmental Quality Limit Exceedance

Project	South East New Territories (SENT) Landfill Extension
Date	6 June 2023
Time	8:00 (6 June 2023) – 8:00 (7 June 2023)
Monitoring Location	AM2
Parameter	24-hour Total Suspended Particulates (TSP)
Action / Limit Levels	Action level: >260 µg/ m ³ Limit level: >260 µg/m ³
Measured Level	340 µg /m ³
Possible reason	<p>From the meteorological data obtained from the SENTX on-site meteorological monitoring station, a predominantly south-southwesterly to southerly wind with highest wind speed 2.6 m/s was recorded on 6 and 7 June 2023 during the sampling event.</p> <p>On 6 June 2023, the ET site representative observed tipping activities at Cell 4X and SENT Landfill tie-in area and traffic emission in the vicinity dust monitoring station AM2. This could be the potential cause for the exceedance. Based on this observation, the TSP exceedance at AM2 was deemed to Project-related activities.</p> <p>In accordance with Table 3.8b of the updated EM&A Manual, repeat measurement was conducted on 12 June and 18 June 2023 to confirm findings. However, the TSP monitoring results at AM2 on 12 June and 18 June 2023 were discarded due to the abnormally wet condition of the filter paper (suspected to be under the influence of sprinkler operation and adverse weather condition). Repeat measurement at AM2 was arranged on 20 June 2023. 24-hour TSP level of 94 µg/m³ (below Action and Limit Levels) was measured during the sampling event, which demonstrate no consecutive dust impact at AM2.</p>
Action Taken / Action to be Taken	<p>In accordance with Table 3.8b of the updated EM&A Manual, the monitoring frequency at AM2 shall be increased to daily, until no exceedance of the Action/Limit Level. It should be noted that the turnaround time for the laboratory analysis of the dust filter paper is 5 working days and the preliminary results for the monitoring event conducted on 6 to 7 June 2023 were available on 14 June 2023. Repeat measurement was conducted on 12 June (results discarded due to the abnormally wet condition of the filter paper), 18 June (results discarded due to the abnormally wet condition of the filter paper) and 20 June 2023, and the TSP monitoring results at AM2 is well below the Action/Limit Level. Hence, the daily TSP monitoring at AM2 shall not be triggered.</p> <p>Examination of environmental performance of the Project will be continued during the weekly inspections. The Contractor is</p>

	<p>reminded to implement relevant and appropriate mitigation measures according to the updated EM&A Manual to avoid any exceedance of the Action/Limit Level.</p> <p>ET will continue to closely monitor the dust monitoring results and collect additional data for investigation and further review, if necessary.</p>
Remarks	-

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 Date: 4 July 2023