



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	5 September 2025
Time	8:00 (5 September 2025) – 8:00 (6 September 2025)
Monitoring Location	AM1
Parameter	24-hour Total Suspended Particulates (TSP)
Limit Level	Action level: $>260 \mu\text{g} / \text{m}^3$ Limit level: $>260 \mu\text{g} / \text{m}^3$
Measured Level	$682 \mu\text{g} / \text{m}^3$
Possible reason	<p>From the meteorological data obtained from the SENTX on-site meteorological monitoring station, a predominantly south-southeasterly to south-southwesterly wind with highest wind speed 1.6 m/s was recorded on 5 and 6 September 2025 during the sampling event.</p> <p>On 5 September 2025, the ET site representative observed tipping activities and excavation works at temporary filling bank area at SENTX, and traffic emission in the vicinity dust monitoring station AM1. This could be the potential cause for the exceedance. Based on this observation, the TSP exceedance at AM1 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 17 September 2025 to confirm findings. 24-hour TSP level of $90 \mu\text{g}/\text{m}^3$ was measured during the sampling event and is below the Action and Limit Levels, which demonstrate no consecutive dust impact at AM1.</p>
Action Taken / Action to be Taken	<p>In accordance with Table 3.8b of the updated EM&A Manual, the monitoring frequency at AM1 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 5 to 6 September 2025 were available on 15 September 2025.</p> <p>According to the ET suggestions from February 2025 which agreed by the Contractor and the IEC, the next scheduled monitoring event for dust monitoring is considered as the "repeat measurement". Repeat measurement was conducted on 17 September 2025, and the TSP monitoring results at AM1 is well below the Action/Limit Level. Hence, the daily TSP monitoring at AM1 shall not be triggered.</p> <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/Limit Levels. The Contractor has increased the watering</p>

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	<p>frequency on active works and tipping area and applied portable water mist spray machine near active works area to minimize dust impacts.</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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Designation: Environmental Team

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