



ANNEX D9

INVESTIGATION REPORTS OF
ENVIRONMENTAL QUALITY LIMIT
EXCEEDANCE

Investigation Report of Environmental Quality Limit Exceedance

Project	South East New Territories (SENT) Landfill Extension
Date	19 February 2025
Time	8:00 (19 February 2025) – 8:00 (20 February 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	$331 \mu\text{g} / \text{m}^3$
Possible reason	<p>From the meteorological data obtained from the SENTX on-site meteorological monitoring station, a predominantly east-southeasterly to southeasterly wind with highest wind speed 1.3 m/s was recorded on 19 and 20 February 2025 during the sampling event.</p> <p>On 19 February 2025, dust and traffic emission from the SENT landfill in vicinity and located at the east of dust monitoring station AM1 were observed. The sample taken at AM1 on the day might not represent the operation dust emission from SENTX.</p> <p>In addition, no SENTX works which may lead to potential dust emission was conducted in the vicinity of dust monitoring location AM1 on the sampling day based on ET's representative on-site observations and construction and operation activities as described by the Contractor. Environmental deficiency was not observed during the weekly site inspection on 20 February 2025. The Contractor has implemented the dust control and mitigation measures recommended in the updated EM&A Manual.</p> <p>In accordance with Table 3.8b of the updated EM&A Manual, repeat measurement was conducted on 25 February 2025 to confirm findings. 24-hour TSP level of $172 \mu\text{g}/\text{m}^3$ (below Action and Limit Levels) was measured during the sampling event, which demonstrate no consecutive dust impact at AM1.</p> <p>Due to the presence of the influencing factors i.e. SENT landfill and no potential source from the Project-related activities in the vicinity of AM1 which may lead to the high TSP level identified, there is not adequate evidence to show that the TSP exceedance at AM1 was due to Project-related activities.</p>
Action Taken / Action to be Taken	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.

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	The Contractor is also reminded to implement additional dust control measures to minimize the dust impact from SENT Landfill to the SENTX boundary.
Remarks	-

Prepared by: Solana Leung

Designation: Environmental Team

Date: 10 March 2025