



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	14 January 2025
Time	8:00 (14 January 2025) – 8:00 (15 January 2025)
Monitoring Location	AM2
Parameter	24-hour Total Suspended Particulates (TSP)
Limit Level	Action level: >260 µg/ m ³ Limit level: >260 µg /m ³
Measured Level	329 µg /m ³
Possible reason	<p>From the meteorological data obtained from the SENTX on-site meteorological monitoring station, a predominantly southeasterly to southerly wind with highest wind speed 1.8 m/s was recorded on 14 and 15 January 2025 during the sampling event.</p> <p>On 14 and 15 January 2025 (during the sampling event), the ET site representative observed construction works (e.g. active stockpiling and excavation works) at Cell 4X area 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 be Project-related activities.</p> <p>In accordance with Table 3.8b of the updated EM&A Manual, repeat measurement was conducted at AM2 on 20 January 2025 to confirm findings. Exceedance of 24-hour TSP Action/Limit Levels was recorded at AM2 (329 µg/m³) during the sampling event, which showed 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 5-10 working days and the preliminary results for the monitoring event conducted on 14 and 15 January 2025 were available on 23 January 2025. Repeat measurement was conducted on 20 January and 26 January 2025, respectively. The TSP monitoring result at AM2 on 20 January 2024 exceeded the Action/Limit Level. Therefore, daily TSP monitoring was commenced on 4 February 2025 for additional TSP monitoring and terminated on 5 February 2025 after receipt of the lab monitoring results, showing that 63 µg/m³ (below Action/Limit Levels) was measured during the regular TSP monitoring event on 26 January 2025 at AM2.</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 area and applied Posi-shell as cover on exposed 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	-

Prepared by: Solana Leung

Designation: Environmental Team

Date: 6 February 2025

Investigation Report of Environmental Quality Limit Exceedance

Project	South East New Territories (SENT) Landfill Extension
Date	20 January 2025
Time	8:00 (20 January 2025) – 8:00 (21 January 2025)
Monitoring Location	AM2
Parameter	24-hour Total Suspended Particulates (TSP)
Limit Level	Action level: >260 µg/ m ³ Limit level: >260 µg /m ³
Measured Level	329 µg /m ³
Possible reason	<p>From the meteorological data obtained from the SENTX on-site meteorological monitoring station, a predominantly easterly to southeasterly wind with highest wind speed 1.4 m/s was recorded on 20 and 21 January 2025 during the sampling event.</p> <p>On 20 and 21 January 2025 (during the sampling event), the ET site representative observed construction works (e.g. active stockpiling and excavation works) at Cell 4X area 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 26 January 2025 to confirm findings. 24-hour TSP level of 63 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 5-10 working days and the preliminary results for the monitoring event conducted on 20 to 21 January 2025 were available on 5 February 2025. Repeat measurement was conducted on 26 January 2025 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 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 frequency on active works area and applied Posi-shell as cover on exposed area to minimize dust impacts.</p>

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	ET will continue to closely monitor the dust monitoring results and collect additional data for investigation and further review, if necessary.
Remarks	-

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