

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	29 July 2022
Time	9:00 (29 July 2022) – 9:00 (30 July 2022)
Monitoring Location	AM2, AM4
Parameter	24-hour Total Suspended Particulates (TSP)
Action / Limit Levels	Action level: >260 µg/ m ³ Limit level: >260 µg/ m ³
Measured Level	AM2: 312 µg / m ³ AM4: 364 µg / m ³
Possible reason	<p>From the meteorological data obtained from the SENTX on-site meteorological monitoring station, a predominantly southwesterly to west-southwesterly wind with highest wind speed 7.5 m/s was recorded on 29 and 30 July 2022 during the sampling event.</p> <p><u>AM2</u> On 29 July 2022, the ET site representative observed that dust emitted from Cell 4X and the unpaved areas in the vicinity was blown toward 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 at AM2 on 4 August 2022 to confirm findings. The 24-hour TSP level was 36 µg/ m³, which is well below Action/Limit Level. There is no consecutive exceedance at this dust monitoring location.</p> <p><u>AM4</u> On 29 July 2022, the ET site representative observed that dust emitted from the public fill stockpiling areas and active earthworks from another project site in close vicinity of dust monitoring station AM4. No works from SENTX which may generate dust emission were conducted in the vicinity of AM4 on the sampling day based on the ET site representative on-site observations and the Contractor’s record of the construction and operation activities carried out on that day.</p> <p>Due to presence of the influencing factor from another project site and no Project-related dust emission source was identified in the vicinity of AM4, there is no adequate evidence showing that the exceedance at AM4 was due to Project-related activities.</p> <p>In accordance with Table 3.8b of the updated EM&A Manual, repeat measurement was conducted at AM4 on 4 August 2022 to confirm findings. The 24-hour TSP level was 35 µg/ m³, which is</p>

	well below the Action/Limit Level. There is no consecutive exceedance at this dust monitoring location.
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 29 to 30 July 2022 were available on 4 August 2022. Repeat measurement was conducted on 4 August 2022 and the TSP monitoring result 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 Level.</p> <p>In addition, the Contractor was reminded to discuss the dust control measures with CEDD to minimize the dust impact from the other project site to proximity to the SENTX boundary.</p>
Remarks	-

Prepared by: Abbey Lau
 Designation: Environmental Team
 Date: 17 August 2022