

**Appendix H**  
**Investigation Report**

**Report No.** 005  
**Monitoring Date** 21 October 2022

According to Table 2.3 of EM&A Manual, the Action and Limit Levels of Odour Patrol are shown below:

Parameter	Action Level (AL)	Limit Level (LL)
Odour Nuisance	Odour Intensity of 2 is measured from odour patrol	Odour Intensity of 3 or above is measured from odour patrol

#### Odour Patrol Results

Monitoring Location	Odour Patrol Member			Level Exceedance
	O-1	O-2	O-3	
	Odour Intensity (0 to 4)			
SCISTW Boundary Location C	2	2	2	Action

#### Investigation Results:

- a) Causes of exceedances
- With reference to on-site observation, the odour characteristics and potential odour source of SCISTW Boundary Location C are listed below:

Location ID	On-Site Observation	
	Odour Characteristics	Potential Odour Source
SCISTW Boundary Location C	Garbage	Refuse Transfer Station / Refuse Vehicles

#### SCISTW Boundary Location C

- SCISTW Boundary Location C are located near the West Kowloon Refuse Transfer Station. The potential odour source is mainly related to the station and the refuse collection vehicles. The action level exceedance at SCISTW Boundary Location C are non-project related.
- Investigation was conducted by DSD to identify the reason / source of exceedance. It was noted that West Kowloon Refuse Transfer Station is located next to the SCISTW. In Hong Kong, a total of seven Refuse Transfer Stations (RTS) is currently in operation. Throughput of West Kowloon Transfer Station is about 2,700 tonnes per day which has

the largest throughput among the seven RTS and resulted in high frequency of refuse vehicles going in and out Ngong Shung Road.

- SCISTW Boundary Location C is a monitoring point in front of the West Kowloon Refuse Transfer Station. Therefore, the odour was largely related to the West Kowloon Refuse Transfer Station.
- For SCISTW Boundary Location C, the odour patrol conducted on 28<sup>th</sup> January 2022, 29<sup>th</sup> April 2022, 26<sup>th</sup> July 2022 also shown that the potential odour source was refuse transfer station / refuse vehicles. The odour characteristics were both considered to be garbage. With the consistency of results, odour nuisance of SCISTW Boundary Location C can be confirmed to be non-project related.

b) Action required under the Event/Action plan  
Refer to Table 4.1.

c) Action taken under the Event/Action plan

Person-in-charge of Odour Monitoring	DSD
<p>1. After considered the above-mentioned investigation results, the exceedances are non-project related.</p> <p>2. The odour source is identified to be due to the refuse transfer station rather than the operation of SCISTW, no repeat odour patrol is considered necessary.</p>	<p>1.&amp;2. Investigation had been carried out within 2 weeks as shown above.</p> <p>3. Specific mitigation measures will be implemented if the exceedance is determined to be project-related</p>

d) Conclusions and Recommendations for mitigation

- All plants and deodorization units were checked to be in normal condition. It is reminded to maintain the plants and deodorization units are in good condition and to keep a close monitoring on the in-house H<sub>2</sub>S sensors to ensure that no odour nuisance is induced by SCSITW