

Enclosed Water Bodies - Typhoon Shelters

- Rambler Channel (B1);
- Yau Ma Tei (B2);
- Causeway Bay (B3);
- To Kwa Wan (B4);
- Kwun Tong (B5);
- Aldrich Bay (B6);
- Sam Ka Tsuen (B7);
- Chai Wan (B8); and
- Aberdeen (B9).

Mariculture Zones

- Ma Wan (C1); and
- Tung Lung Chau (C2).

Gazetted Beaches

- Tung Wan (E1); and
- Ting Kau (E2 and E3).

- 1.2.2.4 After completion of the SEKD development, the existing To Kwa Wan Typhoon Shelter (TKWTS) will no longer exist and a new marina will be built in Kowloon Bay. The existing Kwun Tong Typhoon Shelter (KTTS) will be shifted towards the existing breakwaters at the typhoon shelter outlet. A portion of the new KTTS would be located in front of the end section of the disused airport runway. The new marina and the reprovisioned KTTS are the future water quality sensitive receivers.

1.3 Environmental Monitoring and Audit Requirements

- 1.3.1 The construction and operational phases impacts of the project are assessed and presented in the EIA Report on Comprehensive Feasibility Study for the Revised Scheme of South East Kowloon Development. The EIA identified the need for EM&A and/or environmental management system (EMS) activities for different environmental aspects during the construction and operation phases of the proposed developments. The criteria for the EM&A program is presented in **Table 1.2**.
- 1.3.2 The EIA Report also specified the recommended environmental mitigation measures. An implementation schedule of the recommended environmental mitigation measures is prepared as part of the EIA Study and is contained in **Appendix A** of this Manual.
- 1.3.3 In order to ensure that the mitigation measures recommended in the EIA Study are implemented fully and resulted in the expected effectiveness, this Manual defines the scope of EM&A requirements for the construction and operation of the proposed developments to achieve satisfactory environmental performance. The EM&A requirements are prepared in accordance with the requirements stipulated in Annex 21 of the TM on EIA Process.

Table 1.2 Criteria for the EM&A Program

Objectives	Possible scenarios for no EM&A programme	Monitoring parameters	Action taken for non-compliance/mitigation measures	Implementation stages			
				Des	C	O	Dec
1. To protect sensitive receivers from environmental impacts	Likely to be prejudicial to the health or well being of people in the following areas: - Construction Dust; - Construction Noise; - Construction Phase Water Quality; - Construction Waste Management; - Landscape and Visual Impact; - Odour.	Total Suspended Particulates (TSP) Concentration Construction noise level in $L_{eq}(5min)$ Water quality parameters Site audit on waste management measures Review and audit landscape and visual measures Odour level and hydrogen sulphide concentration	Activate action plan detailed in the EM&A Manual Activate action plan detailed in the EM&A Manual Activate action plan detailed in the EM&A Manual Review and enforce waste management measures Review of measures Activate action plan detailed in the EM&A Manual		✓ ✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ✓
2. To monitor the effectiveness of mitigation measures which involves a long period to establish	Likely success of the proposed measures, else corrective measures to enhance the protection of the mitigation measures, such as, - Operational Traffic Noise; - Operational Phase Water Quality in Extended Sections of Nullahs and Box Culverts; - Biogas Risk due to Contaminated Sediment.	Traffic noise level in A-weighted L_{10} Water quality parameters Methane, carbon dioxide, oxygen, pressure, and temperature	Review of the effectiveness of the recommended measures for future reference Regular maintenance of nullah and box culvert should improve the water quality Activate action plan detailed in the EM&A Manual			✓ ✓ ✓	
3. To monitor an unproven technology of the project	Potential unforeseeable impacts due to the application of the following technology: - In-situ Treatment of Contaminated Sediment.	Methane, carbon dioxide, oxygen, pressure, and temperature	Activate action plan detailed in the EM&A Manual		✓	✓	