

1.1 PURPOSE OF THE MANUAL

The purpose of the *Environmental Monitoring and Audit (EM&A) Manual (the Manual)* for the proposed Sha Tin Sewage Treatment Works Stage III Extension (the Project) is as follows:

- to guide the implementation of an EM&A programme to ensure compliance with the relevant standards and guidelines and to confirm the Environmental Impact Assessment (EIA) Study findings;
- to ensure the implementation and assess the effectiveness of the recommended mitigation measures;
- to identify the need for any additional mitigation measures or remedial actions during the construction and operation phases of the Project.

Hong Kong environmental regulations, the *Technical Memorandum on the Environmental Impact Assessment Process (EIAO TM)*, and recommendations in the *EIA Study Report* have served as guidelines in the preparation of this *Manual*.

This *Manual* contains the following information:

- a definition of the responsibilities of the Contractor, the Engineer or Engineer's Representative (ER), Environmental Team (ET), and the Independent Checker (Environment) (IC(E)) with respect to the environmental audit requirements during the construction phase of the Project;
- information on project organisation and programming of construction activities for the Project;
- a description of the broad approach underlying the environmental monitoring and audit programme and requirements for the construction and operation phases;
- details of the methodologies to be adopted, in the construction phase audit programme; and field, laboratory and analytical procedures during the operation phase environmental monitoring;
- establishment of Event and Action Plans; and
- requirements for the presentation of *an Environmental Audit Report* during the construction phase and responsibilities for environmental monitoring during the operation phase.

For the purpose of this *Manual*, the "Engineer" shall refer to the Engineer as defined in the Contract and the Engineer's Representative (ER), in cases where the Engineer's powers have been delegated to the ER, in accordance with the Contract. The ET leader, who shall be responsible for and in charge of the ET, shall refer to the person delegated the role of executing the environmental audit requirements during the construction phase.

The remainder of the *EM&A Manual* is divided into the following *Sections*:

- *Section 2* outlines the background of the Project and the key findings of the EIA Study.
- *Section 3* outlines the general environmental audit requirements for the construction phase; and highlights the specific pollution control measures that shall be adopted during construction;
- *Section 4* presents the EM&A reporting requirements during the construction phase.
- *Section 5* presents the EM&A requirements during the operation phase
- *Annex A* presents a sample of the Odour Complaint Registration Form that should be used during the operation phase of the Project.
- *Annex B* presents the Implementation Schedule of Mitigation Measures during both the construction and operation phases.

In view of the potential changes to the design and construction programme of the Project, this *EM&A Manual* shall be reviewed and updated, as necessary, prior to the commencement of construction and operation of the Project.