

10 Environmental Monitoring and Audit

10.1 General

The following Section presents a summary of Environmental Monitoring and Audit (EM&A) requirements for each impact assessment described in this EIA Report.

10.2 Water Pollution

During construction phase dredging and operation phase recurrent dredging, specific mitigation measures as well as good site practices have been specified. An EM&A programme is recommended to check and review the effectiveness of these mitigation measures during construction phase dredging and operation phase recurrent dredging.

In addition, a water quality monitoring programme is recommended to be implemented during construction phase dredging and operation phase recurrent dredging. Details of the EM&A requirements and the water quality monitoring programme are specified in the EM&A Manual.

10.3 Marine Ecology

With the implementation of recommended mitigation/precautionary measures for marine ecology as well as water quality mitigation measures and monitoring programme as recommended in **Section 10.2**, no specific ecological monitoring is required as residual impacts on the marine ecology are negligible.

10.4 Fisheries

With the implementation of the recommended water quality mitigation measures and water quality monitoring during construction and operation phases, no adverse impact on fisheries is anticipated, thus fisheries specific monitoring is considered not necessary. Three water quality monitoring stations representing Lo Tik Wan, Cheung Sha Wan and Sok Kwu Wan Fish Culture Zones are recommended for the water quality monitoring programme during the marine works for both construction phase and each operation phase recurrent improvement dredging, to detect and check for any deterioration in water quality. Stakeholder engagement activities would also be arranged with relevant fishermen and mariculturists prior to project implementation to seek their views and foster their understanding on the proposed project works.

10.5 Hazard to Life

Implementation of the mitigation measures should be checked as part of the environmental monitoring and audit procedures during the dredging operation of the project.

10.6 Noise

The predicted construction noise levels at the NSRs located nearest to the works areas are complied with the noise criterion during the non-restricted hours. As such, noise will not be an issue and monitoring at

the NSRs is not considered necessary during non-restricted hours. However, a daily log book should be maintained to record the number and type of plants deployed for auditing purposes.

Noise monitoring during restricted hours should be subject to the CNP requirements by EPD. Applicable permits under NCO should also be obtained by the Contractor.

10.7 Waste Management

It will be the contractor's responsibilities to ensure that all wastes produced during the construction of the Project are handled, stored and disposed of in accordance with good waste management practices and the relevant regulations and requirements. The recommended mitigation measures shall form the basis of the Waste Management Plan (WMP) to be developed by the Contractor in the construction phase.

During construction phase, regular site inspection as part of the EM&A procedures should be carried out to determine if various types of waste are being managed in accordance with approved procedures and the WMP. It should cover different aspects of waste management including waste generation, storage, recycling, treatment, transport and disposal.