8 Land Contamination

8.1 Introduction

The EIA Report has assessed the land contamination associated with the Project. Five arsenic-contaminated zones (as shown in **Figure 8.1**) were identified in LMC Loop and the total volume of contaminated soil is tentatively estimated at 57,444m^3.

8.2 Remediation Method for Arsenic-contaminated Soil in LMC Loop

The Project Proponent should conduct further investigation to ascertain the horizontal extent of contamination in LMC Loop prior to commencement of the remediation work so as to minimize any unnecessary remediation of uncontaminated soil. Solidification/Stabilization is recommended for the remediation of arsenic-contaminated soil and details of the remediation and associated testing could be referred to Chapter 8 of the EIA Report.

Mitigation measures during excavation and remediation of the contaminated soil have been proposed in the EIA and summarised in the Project Implementation Schedule (PIS) in **Appendix 2-2** in order to safeguard the general environmental, health and safety on site during the construction phase.

8.3 Site Investigations and Reappraisal on the LMC Loop and the Entire Contamination Assessment Area for the Associated Infrastructure outside LMC Loop

In addition, re-appraisal on the LMC Loop and the entire contamination assessment area for the associated infrastructure outside Lok Ma Chau Loop would be required to ensure any potential contamination activities from land use changes after the approval of this land contamination assessment study, subject to a proper updating review prior to commencement of the construction works. Where re-appraisal or re-assessment is required, the PP would prepare and submit the Supplementary CAP to EPD prior to the commencement of SI works. Following on from the submission of CAP and completion of SI, the PP would prepare a CAR, a RAP and a RR and submit to EPD for agreement prior to commencement of the works on the development.