

F1 INTRODUCTION

F1.1 Background

F1.1.1 This document provides a framework of the environmental management plan (EMP) for the operation of the New Crematorium in 2006. Where applicable, the Food and Environmental Hygiene Department (FEHD) should adopt this EMP in achieving and demonstrating sound environmental performance.

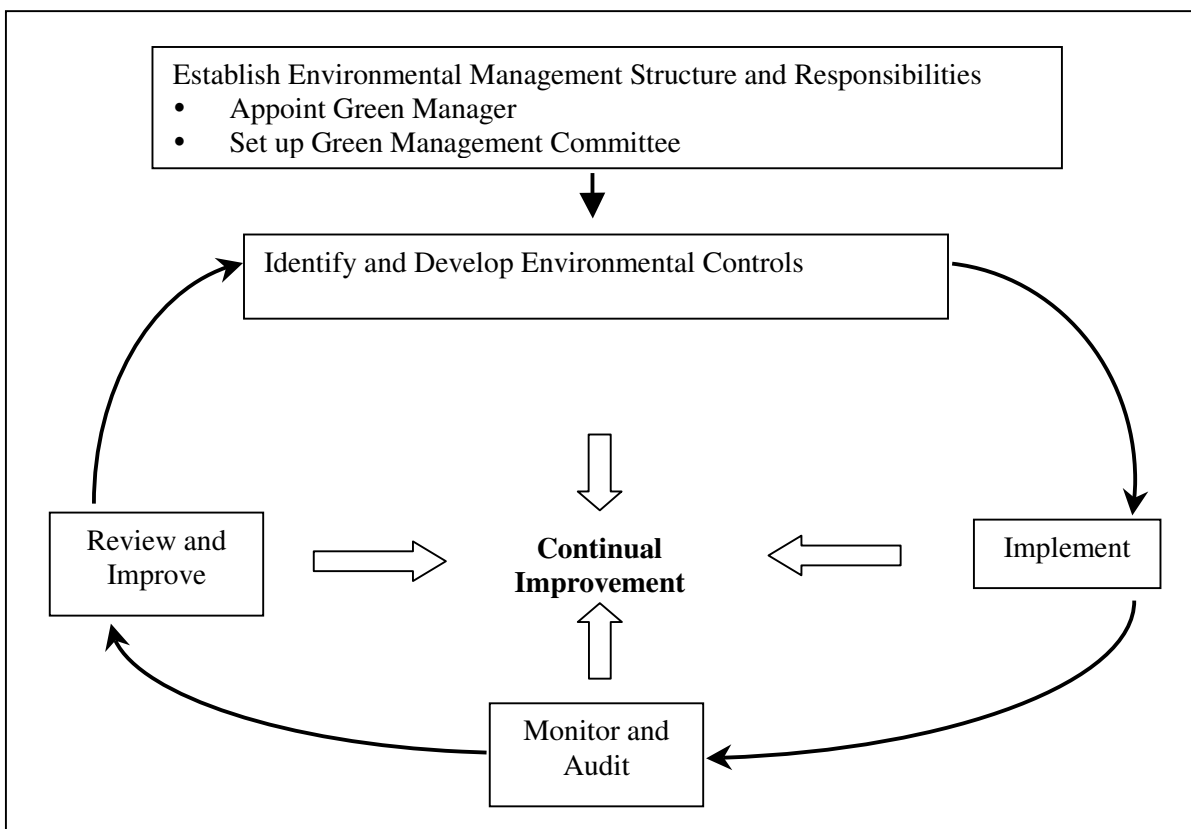
F1.2 Benefits of Environmental Management Plan

F1.2.1 Establishing an EMP would be able to help the New Crematorium in ensuring legal compliance and effective implementation of control mechanisms. In addition, the EMP can also help improve environmental management efficiencies and performance.

F1.3 Key Elements of Environmental Management Plan

F1.3.1 Key elements of an EMP are provided in Figure F1.

Figure F1 Key Elements of Environmental Management Plan



F1.3.2 Details on these elements are described below.

Establish Environmental Management Structure and Responsibilities

- F1.3.3 To begin with, an environmental management structure in the New Crematorium should be formed and responsibilities of each members of the structure should be clearly defined. The environmental management structure is suggested to comprise two key components: a Green Manager (leader of the structure) and a Green Management Committee (GMC) (supporting members of the structure). Both Green Manager and GMC should preferably be appointed prior to operation of the New Crematorium.
- F1.3.4 The Green Manager should have sufficient seniority and should have adequate knowledge in all the operations of the New Crematorium. He/she should also have good understanding of the environmental issues relating to the New Crematorium. The Green Manager should undertake the following key responsibilities:
- Overall responsible for managing all environmental issues regarding the operation of the New Crematorium
 - Plan and co-ordinate resources for implementation of the environmental control practices and improvement works
 - Liaise with the regulatory bodies and communicate with the public on environmental issues of the New Crematorium
- F1.3.5 The GMC should comprise representatives from different functional units of the New Crematorium, and should be chaired by the Green Manager. The key roles of GMC should be as follows:
- Identify and establish the environmental control practices during T&C period and full operation
 - Oversee implementation of the environmental control practices
 - Identify staff training needs on equipment usage, safety and precautionary measures, environmental pollution control and prevention as well as environmental crisis control. Professional assistance in identifying training needs and training implementation shall be sought where appropriate
 - Develop and regularly review staff training plans
 - Ensure compliance with all the relevant regulatory requirements
 - Arrange for regular environmental monitoring and auditing works in accordance with the recommendation stipulated in this EIA. Where appropriate, external professional parties should be invited to assist the environmental monitoring and audit works
 - Regularly review environmental monitoring and audit results and ensure implementation of proper rectification works in case any non-compliance issues are identified
 - Review environmental complaints (if any) and ensure implementation of the necessary corrective and preventive actions
 - Identify areas for environmental improvement and develop the associated improvement objectives, targets and action plans
 - Monitor the progress of environmental improvement actions

Identify and Develop Environmental Controls

- F1.3.6 As mentioned above, the GMC will be, amongst others, responsible for identifying and developing the environmental control practices for the New Crematorium. Such control practices will include:
- Proper operation and maintenance procedures of the relevant facilities that can affect the environmental performance of the New Crematorium during T&C period.
 - Proper operation and maintenance procedures of the relevant facilities that can affect the environmental performance of New Crematorium during operation, e.g., the new cremators, air pollution control system, fuel storage tanks, joss paper burners etc.
 - Procedures for proper handling, storage, transportation and use of materials
 - Procedures to avoid wastage of energy, water or materials
 - Procedures for proper management of waste materials

- Response procedures to deal with emergency incidents with environmental implications (e.g., fuel leakage/spillage, accidental breakdown or malfunction of the air pollution control system, etc.)
- Environmental complaint handling procedures

Implement, Monitor and Audit, Review and Improve

- F1.3.7 All staff members of the New Crematorium should have their specific roles to play in implementation of the environmental control practices. Adequate training should be given to all relevant staff who will be responsible for operation and/or maintenance of equipment/facility which may influence environmental performance during T&C and operation periods. As mentioned in *Section 4*, a maximum of no more than 6 cremators (between Existing and New Crematoria) being operated at any time should be implemented during T&C period. Relevant communication and operation procedure, control means as well as maintenance should be implemented.
- F1.3.8 During operation of the New Crematorium, site specific training should be given to all relevant staff who will be responsible for operation and/or maintenance of equipment/facility which may influence environmental performance, in particular, cremators, air pollution control equipment and joss paper burner. During training, event handling procedure should also be provided for environmental emergency and equipment malfunction, particularly regarding air pollution control system. Safety and precautionary measures should also be introduced.
- F1.3.9 To ensure satisfactory implementation of the practices and to ensure compliance with all regulatory requirements, the GMC should arrange to conduct environmental monitoring and auditing on a regular basis. Detail monitoring and audit procedure for the operational monitoring and audit requirement stipulated in Table 11.8 of the EIA Report should be implemented (such as odour patrol and joss paper burner usage arrangement). In case any non-compliance or exceedance of regulatory requirements, the concerned staff should establish and implement suitable actions to rectify the situation. The GMC should follow up to ensure that the rectification work has been effectively implemented.
- F1.3.10 From time to time, the GMC should review the environmental control practices, the environmental monitoring and audit results, and any past environmental complaints with a view to identifying any areas for continual improvement. Based on the review findings, the GMC should then formulate the improvement objectives, targets and action plans as well as monitor the progress of the improvement actions.