

## **Performance Audit of Hazardous Waste Management**

### **Audit Objective:**

To assess the effectiveness of hazardous waste management and rehabilitation of contaminated land.

### **Audit Scope:**

Activities related to hazardous waste management and rehabilitation of contaminated land from 2017 to 2020. In 2020, the audit specifically addressed the monitoring of hazardous waste management related to Covid-19.

### **Audit Criteria:**

The criteria are derived from relevant regulation, best practices, and international convention related to hazardous waste. The criteria addressed the following aspects:

1. Policy and regulation;
2. Resources and institutional arrangement;
3. Implementation of hazardous waste management and rehabilitation of contaminated land; and
4. Monitoring and evaluation.

### **Significant Findings:**

1. Strategic planning in hazardous waste management and rehabilitation of contaminated land have not been complete, integrated, synergized, and clear to mitigate adverse impacts on humans and the environment. The data related to hazardous waste as a basis of activities related to hazardous waste management have not been sufficient in term of waste types and sources. The spatial data on contaminated land have also not been utilized as the basis of rehabilitation of contaminated land activities.
2. The information system to support hazardous waste management and rehabilitation of contaminated land activities has not been complete, integrated, and up-to-date. Rehabilitation of contaminated land activities by private sector have also not been supported by an adequate cost determination mechanism.
3. The coverage of monitoring activities has not included all sources of hazardous waste. Moreover, the mechanism to identify contaminated land has not been clear, complete, and integrated.

### **Audit Recommendations:**

1. To identify and monitor all sources of hazardous waste in all sector and utilize the result to establish a comprehensive, integrated, and sustainable strategic plan and monitoring mechanism.
2. To develop the information system to monitor the hazardous waste management to become more up-to-date, comprehensive, and integrated.
3. To coordinate with relevant institutions in managing hazardous waste and rehabilitating contaminated land.

4. To establish an integrated and comprehensive strategy in identifying contaminated land as well as its rehabilitation plan as well as to implement the plan accordingly.

**Management Response:**

The management accepted the recommendations and will follow up accordingly.