

**EXECUTIVE SUMMARY**

**Introduction**

This is the sixth monthly Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the “Low Level Radioactive Waste Storage Facility at Siu A Chau” (the Project). This report documents the findings of Environmental Monitoring and Audit (EM&A) Works conducted in between 1 and 29 February 2004 inclusively.

The major site activities undertaken in the reporting month were:

- Site clearance;
- Setting out;
- Site formation;
- Mobilization;
- Construction of temporary jetty; and
- Construction of working platform for permanent jetty.

**Environmental Monitoring and Audit Works**

Environmental monitoring for the Project was performed regularly as stipulated in the EM&A Manual and the results were checked and reviewed. As the construction of the temporary jetty and the working platform for the permanent jetty was started, the water quality monitoring has been commenced since 17 February 2004. A monthly site audit for this reporting month was conducted on 3 March 2004. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.

Summary of the non-compliance of the reporting month is tabulated in Table I.

**Table I Summary Table for Non-compliance Recorded in the Reporting Month**

Parameter	No. of Exceedances		No. of Exceedances due to the Project	Action Taken
	Action Level	Limit Level		
<i>Station W1-W3</i>				
DO (mg/L)	0	0	N/A	N/A
Turbidity (NTU)	0	0	N/A	N/A
SS (mg/L)	0	0	N/A	N/A
Parameter	Exceedances Identified		Exceedances Due to the Project	Action Taken
	Action Level	Limit Level		
<i>Station WS</i>				
DO (mg/L)	No	No	N/A	N/A
Turbidity (NTU)	Yes	Yes	No	Inform all relevant parties; request Contractor to submit site diary and details of construction and keep monitoring

### ***Water Quality Monitoring***

Water quality monitoring was conducted as schedule in this reporting month.

#### Routine Water Quality Monitoring

No Action/Limit Level exceedance was recorded at Station W1, W2 & W3 in this reporting month.

#### 12-hr Continuous Water Quality Monitoring

For the continuous water quality monitoring at Station WS, exceedances of Action/Limit Levels for turbidity levels were occasionally recorded on 17 to 19 and 25 February 2004.

According to the ET's investigation, the exceedances were unlikely to be caused by the marine construction activities. The exceedances might be due to the influences by the status of the tidal currents, seasonal variation and the discharge from the Pearl River. The corresponding SS data, which is a more direct indication of impact from the marine construction activities, did not exceed either the Action or Limit levels. Therefore, the exceedances were not considered to be related to the Project and no further action is required.

### **Environmental Licensing and Permitting**

License/Permits granted to the Project include the Environmental Permit (EP), the Further Environmental Permit (FEP), the Water Discharge License (WDL) and Construction Noise Permit (CNP) for the Project. No new license/permit was issued to the Project in this reporting month.

### **Complaints and Prosecutions**

No environmental complaint or prosecution was received in this reporting month.

### **Status of Waste Management**

The Waste Management Plan (WMP) was accepted with conditions by EPD on 30th September 2003 and the Contractor resubmitted WMP (Rev. B) on 9th October 2003.

As the major construction works for the Project has not been commenced, there was no solid and liquid waste problem during the reporting period. The waste management should follow the procedures in the approved WMP.

### **Key Information in the Reporting Month**

Summary of key information in this reporting month is tabulated in Table II.

**Table II Summary Table for Key Information in the Reporting Month**

Event	Event Details		Action Taken	Status	Remark
	Number	Nature			
Complaint received	0	---	N/A	N/A	---
Changes to the assumptions and key construction / operation activities recorded	0	---	N/A	N/A	---
Status of submissions under EP	0	---	N/A	N/A	---
Notifications of any summons & prosecutions received	0	---	N/A	N/A	---
<p><b><u>Future Key Issues:</u></b></p> <p>Major site activities for the coming month include:</p> <ul style="list-style-type: none"> <li>• Site clearance;</li> <li>• Site formation;</li> <li>• Excavation works;</li> <li>• Pre-drilling works; and</li> <li>• Construction of permanent pier.</li> </ul> <p>The anticipated environmental impacts will be mainly on dust and noise due to earthworks, and surface runoff during rainy days and the water quality associated with the marine construction activities.</p>					