

EXECUTIVE SUMMARY

Introduction

This is the eighth 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 1st and 30th April 2004 inclusively.

The major site activities undertaken in the reporting month were:

- Placing blinding layers;
- Water proofing installation;
- Voids filling and preparation of bottom level for slabs;
- Erection of formwork and falsework;
- Steel reinforcement fixing; and
- Concrete casing.

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. A monthly site audit for this reporting month was conducted on 28th April 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.

Water Quality Monitoring

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

Routine Water Quality Monitoring

A total of four exceedances of Limit Levels for SS on 22nd in the reporting month. Three exceedances were recorded at the respective monitoring stations W1, W2 and W3 during the mid-ebb tide and one exceedance was recorded at W3 during the mid-flood tide.

A total of one exceedance of Limit Level for SS was recorded at Stations W1 during the mid-ebb tide on 30th 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 6th, 7th, 8th, 14th, 15th, 16th, 19th and 29th in the reporting month.

According to the ET's investigation, there was no direct evidence demonstrating that the exceedances were caused by the Project. Except for the exceedance of SS at W1 on 30th April

2004, it was suspected to be caused by the effluence discharge from the site as no marine construction activities was taking place and no exceedance at other stations (W2 or W3) was recorded. Thus, the Contractor was requested to take remedial actions to rectify the situation. Mitigation measures such as regular desilting of the sedimentation facilities and good site management to avoid any malpractice from pumping storm water directly to the sea were recommended. It was reported that a silt curtain had been installed at the discharge point of the sedimentation tank by the Contractor on 3rd May 2004.

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

Parameter	No. of Events Exceeding		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	5	1 (on 30/4)	ET Leader informed all relevant parties and kept on monitoring the situation. As there was no marine construction activity on 30/4/04, the exceedance might be probably caused by the effluent discharge from the site. The Contractor was requested to take remedial actions to rectify the situation. Mitigation measures such as regular desilting of the sedimentation facilities and good site management to avoid any malpractice from pumping storm water directly to the sea were recommended. It was reported that a silt curtain had been installed at the discharge point of the sedimentation tank by the Contractor on 3/5/04.
Parameter	No. of Days Exceeding Action/Limit Levels		No. of Exceedances due to the Project	Action Taken
<i>Station WS</i>				
DO (mg/L)	0		N/A	N/A
Turbidity (NTU)	8		N/A	ET Leader informed all relevant parties; requested Contractor to submit site diary and details of construction and kept monitoring. Although no direct demonstrated that the exceedances were due to the Project, the Contract was reminded to implement proper mitigation measures such as regularly desilting the surface channel and sedimentation tank to ensure the water quality in Sum Wan.

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.

No C&D materials were generated but little general refuse (about 5 m³) was collected in the reporting month. 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><u>Future Key Issues:</u></p> <p>Major site activities for the coming month include:</p> <ul style="list-style-type: none"> • Placing blinding layers; • Water proofing installation; • Voids filling and preparation of bottom level for slabs; • Erection of formwork and falsework; • Steel reinforcement fixing; and • Concrete casing. <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>					