

EXECUTIVE SUMMARY

Introduction

This is the ninth 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 31st May 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 May 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 twenty-six exceedances of Action/Limit Levels for SS were recorded in the reporting month at the monitoring stations W1, W2 and W3. The exceedances were occasionally recorded on 4th, 5th, 7th, 10th, 13th, 17th, 19th, 24th, 27th and 28th.

A total of eight exceedances of Limit Levels for DO were recorded on 14th and 20th in the 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 4th, 5th, 7th, 10th, 17th, 20th and 24th in the reporting month. Exceedances of Action Level for DO were recorded on 14th and 28th in the reporting month.

According to the ET's investigation, there was no direct evidence demonstrating that the

exceedances were caused by the Project. The exceedances were likely caused by the natural background outside Sum Wan. Moreover, no marine construction activities were in place and a silt curtain was installed around the effluent discharge point.

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		
Station W1-W3				
DO (mg/L)	0	8	N/A	ET Leader informed all relevant parties. Although no direct evidence demonstrated that the exceedances were due to the Project, the Contractor was reminded to implement proper mitigation measures such as regularly desilting of sedimentation facilities and ensure the effectiveness of the silt curtain.
Turbidity (NTU)	0	0	N/A	N/A
SS (mg/L)	1	25	N/A	ET Leader informed all relevant parties. Although no direct evidence demonstrated that the exceedances were due to the Project, the Contractor was reminded to implement proper mitigation measures such as regularly desilting of sedimentation facilities and ensure the effectiveness of the silt curtain.
Parameter	No. of Days Exceeding Action/Limit Levels		No. of Exceedances due to the Project	Action Taken
Station WS				
DO (mg/L)	2		N/A	ET Leader informed all relevant parties. Although no direct evidence demonstrated that the exceedances were due to the Project, the Contractor was reminded to implement proper mitigation measures such as regularly desilting of sedimentation facilities and ensure the effectiveness of the silt curtain.
Turbidity (NTU)	7		N/A	ET Leader informed all relevant parties. Although no direct evidence demonstrated that the exceedances were due to the Project, the Contractor was reminded to implement proper mitigation measures such as regularly desilting of sedimentation facilities and ensure the effectiveness of the silt curtain.

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 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"> • Permanent site formation; • Boulder stabilization works; • Construction of superstructure; and • Construction of permanent jetty. <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>					