## Cover TABLE OF CONTENTS

#### **EXECUTIVE SUMMARY**

## 1. INTRODUCTION

Background

**Project Organisation** 

Construction Works undertaken during the Reporting Month

Compliance with EP conditions

Summary of EM&A Requirements

## 2. AIR QUALITY MONITORING

Monitoring Requirements

Monitoring Equipment

Monitoring Parameters, Frequency and Duration

**Monitoring Locations** 

Monitoring Methodology

Results and Observations

## 3. NOISE MONITORING

Monitoring Requirements

Monitoring Equipment

Monitoring Parameters, Frequency and Duration

**Monitoring Locations** 

Monitoring Methodology

Results and Observations

## 4. WATER QUALITY MONITORING

Discrete Marine Water Quality Monitoring

Monitoring of TBT/PAHs/PCBs

Continuous Marine Water Quality Monitoring

#### 5. TERRESTRIAL ECOLOGY

Monitoring Requirements

Monitoring Equipment

Monitoring Parameters, Frequency and Duration

Monitoring Locations

Monitoring Methodology

Results and Observations

Conclusion

## 6. MARINE MAMMAL MONITORING

Monitoring Requirements

Monitoring Equipment

Monitoring Parameter, Frequencies and Duration

Monitoring Location

Monitoring Procedures

Results and Observations

## 7. SUBTIDAL MONITORING

Monitoring Requirement

## 8. ENVIRONMENTAL AUDIT

Site Environmental Audit

Review of Environmental Monitoring Procedures

Status of Environmental Licensing and Permitting

Implementation Status of Environmental Mitigation Measures

Implementation Status of Event/Action Plans

Implementation Status of Environmental Complaint Handling Procedures

## 9. FUTURE KEY ISSUES

Key Issues for the Coming Month

Monitoring Schedules for the Next Month

Construction Program for the Next 3 Months

## 10. CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Recommendations

## **List of Tables**

Table 1.1	Estimated Amounts of Waste Generated in May 2004
Table 1.2	Environmental Permit Submission
Table 2.1	TSP Monitoring Equipment
Table 2.2	Air Quality Monitoring Parameters and Frequency
Table 2.3	Location of Air Quality Monitoring Stations
Table 3.1	Noise Monitoring Equipment
Table 3.2	Noise Monitoring Parameters, Period and Frequency
Table 3.3	Noise Monitoring Locations
Table 4.1	Discrete Marine Water Quality Monitoring Equipment
Table 4.2	Discrete Marine Water Quality Monitoring Parameters, Period and
	Frequency
Table 4.3	Discrete Marine Water Quality Monitoring Locations
Table 4.4	Water Quality Exceedance Summary
Table 4.5	TBT Monitoring Equipment
Table 4.6	TBT Monitoring Parameters, Period and Frequency
Table 4.7	TBT Monitoring Locations
Table 4.8	Standard Methods for Laboratory Analysis of Water Samples
Table 4.9	Continuous Marine Water Quality Monitoring Equipment
Table 4.10	Continuous Marine Water Quality Monitoring Parameters, Period and
	Frequency
Table 4.11	Continuous Marine Water Quality Monitoring Locations
Table 5.1a	Time Allocation (%) for White-bellied Sea Eagle (female and male)
	activity at Pa Tau Kwu on 12 May
Table 5.1b	Time Allocation (%) for White-bellied Sea Eagle (female and male)
	activity at Pa Tau Kwu on 13 May
Table 6.1	Marine Mammal Monitoring Equipment
Table 8.1	Summary of Environmental Licensing and Permit Status

# **List of Figures**

Figure 1.1	Project Organisation
Figure 1.2	Layout of Work Site
Figure 2.1	Locations of Air Quality Monitoring Stations
Figure 3.1	Locations of Noise Monitoring Stations
Figure 4.1	Locations of Discrete Water Quality Monitoring Stations
Figure 4.2	Locations of TBT/PAHs/PCBs Monitoring Stations
Figure 4.3	Locations of Continuous Water Quality Monitoring Stations
Figure 5.1	Locations of White-bellied Sea Eagles Monitoring
Figure 5.2	Photographic Records of the White-bellied Sea Eagle
Figure 6.1	Locations of Marine Mammal Monitoring
Figure 7.1	Locations of Subtidal Monitoring

# **List of Appendices**

Appendix A	Amount of Marine Sediment Dredged, Dumped and Filled
Appendix B	Action and Limit Levels
Appendix C	Environmental Monitoring Schedules
Appendix D	Air Quality Monitoring Results
Appendix E	Noise Monitoring Results
Appendix F1	Discrete Water Quality Monitoring Results
Appendix F2	Graphical Presentation of Discrete Water Quality Monitoring Results
Appendix G1	Continuous Water Quality Monitoring Results
Appendix G2	Graphical Presentation of Continuous Water Quality Monitoring
	Results
Appendix H	TBT Monitoring Results
Appendix I	The QA/QC Procedures and Results
Appendix J	Calibration Details
Appendix K	Site Inspection Records
Appendix L	Summary of Environmental Mitigation Implementation Schedule
Appendix M	Event and Action Plans
Appendix N	Complaint Flow Diagram and Complaint Log
Appendix O	Construction Programme
Appendix P	Contacts of Key Environmental Personnel