

# Provision of Environmental Monitoring and Audit (EM&A) Services at Water Recreation Centre

Monthly EM&A Report No. 201

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**Submitted to**

Hong Kong International Theme Parks Limited

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## EXECUTIVE SUMMARY

This is the 201<sup>st</sup> monthly Environmental Monitoring and Audit (EM&A) report prepared by Meinhardt Infrastructure and Environmental Limited (MIEL), the designated Environmental Team (ET), for the project "Provision of EM&A Services at Water Recreation Centre". The Water Recreation Centre (WRC) commenced operation on 16 August 2005. This report presents the results of environmental audit works conducted between 16 April 2022 and 15 May 2022.

Environmental permit (No. EP-01/097/2001/C) was issued to the Hongkong International Theme Parks Limited (HKITP) for the operation of WRC. HKITP has been registered as chemical waste producer (Waste Producer No. 9499-973-H3095-01).

Monthly environmental site inspection was carried out on 11 May 2022. Environmental mitigation measures as recommended in the EIA report, Operational EM&A Plan and EP-01/097/2001/C were properly implemented.

No complaint, summons or prosecution related to environmental issues was made against the Project in the reporting period.

The operator of WRC is reminded to continue to implement measures as recommended in the EIA Report, Operational EM&A Plan and EP-01/097/2001/C.

## **1 INTRODUCTION**

### **1.1 Background**

- 1.1.1 Meinhardt Infrastructure and Environmental Limited (hereinafter referred as the “ET”) was appointed by Hongkong International Theme Parks Ltd. (HKITP) (hereinafter referred as the “Operator”) to carry out operational Environmental Monitoring and Audit at the Water Recreation Centre (WRC). Under the requirements of Section 4 of the Environmental Permit EP-01/097/2001/C, EM&A programme is required to be implemented in accordance with the Operational EM&A Plan approved by the Environmental Protection Department (EPD) on 31 August 2005.
- 1.1.2 The WRC is a portion of the Contract for “Theme Park and Associated Infrastructures at Penny’s Bay”, which encompasses an area of approximately 12 ha and contains a multi-function artificial lake, water-based and land-based recreational facilities and ancillary facilities. Apart from recreation purpose, the lake water is a source of irrigation water for the entire Penny’s Bay. The location of the WRC is given in [Figure 1.1](#).
- 1.1.3 Following approval of the EIA, an Environmental Permit (EP) was issued to the Civil Engineering Department (CED) (now Civil and Engineering Development Department (CEDD)) and the subsequent variation of the permit no. EP-097/2001/B and EP-138/2002/C contain the requirements and obligations on the Environmental Monitoring and Audit (EM&A) during the operation of the WRC. Under the Contract for “Theme Park and Associated Infrastructures at Penny’s Bay”, the WRC and ancillary facilities were designed and constructed under the supervision of CEDD and the WRC would be turned over from CEDD to HKITP for operation upon completion of construction. Environmental permit no. EP-01/097/2001/C was issued to the HKITP for the operation of WRC.
- 1.1.4 This report presents the results of environmental audit works conducted between 16 April 2022 and 15 May 2022.

### **1.2 Project Organisation**

- 1.2.1 The structure of the environmental management team is shown in [Figure 1.2](#). Contacts of key environmental staff of the Project are shown in [Appendix A](#).

### **1.3 Summary of the EM&A Requirements**

- 1.3.1 The latest EM&A programme requires environmental audit at the WRC. The purpose of the audit was to ensure all environmental mitigation measures, as recommended in the EIA report, Operational EM&A Plan and EP-01/097/2001/C, were properly implemented.
- 1.3.2 Site audit and the status of environmental licensing and permits are described in Section 2.
- 1.3.3 Summary of the advice on the implementation status of environmental protection and pollution control/mitigation measures is provided in Section 2 of the Report.

## 2 Environmental Audit

### 2.1 Implementation Status of Environmental Mitigation Measures

- 2.1.1 Site audit was carried out on a monthly basis to monitor environmental issues to ensure that all mitigation measures were implemented timely and properly.
- 2.1.2 Monthly site inspection was carried out on 11 May 2022. Environmental mitigation measures for water quality, waste management, landscape and visual, as recommended in the EIA report, Operational EM&A Plan and EP were properly implemented. There was no specific observation requiring following up action. In general, the condition of the WRC was satisfactory:
- No floating refuse was observed.
  - No uncontrolled surface runoff into the lake was observed.
  - No algicide was applied to the WRC.
  - No discharge was made from the WRC into marine water.
  - No improper storage of oil/chemicals was observed.
  - Environmental Permit was kept in the site office and was available for inspection upon request.
- 2.1.3 A summary of the Environmental Mitigation Implementation Schedule (EMIS) is presented in [Appendix B](#).

### 2.2 Status of Environmental Licensing and Permitting

- 2.2.1 All permits/licences/notifications obtained as of the reporting period are summarised in Table 2.1.

**Table 2.1 Summary of Environmental Notification, Licensing and Permit Status**

Permit No.	Valid Period		Description	Status
	From	To		
<b>Environmental Permit</b>				
EP-01/097/2001/C	19 Oct. 05	-	Operation of an approximately 32 ha water recreation centre with a 12 ha multi-function artificial lake, water-based and land-based recreational facilities and ancillary facilities	Valid
<b>Chemical Waste Registration</b>				
9499-973-H3095-01	29 Jul. 05	-	Theme Park at Penny's Bay	Valid

## **2.3 Waste Management**

- 2.3.1 Waste management of WRC was implemented as stipulated in the Waste Management Plan.
- 2.3.2 As waste management of WRC was undertaken as part of the overall Theme Park Resort waste management scheme, records of waste handling and disposal would be reported in the Theme Park EM&A Report.

## **2.4 Implementation Status of Environmental Complaint Handling Procedures**

- 2.4.1 [Appendix C](#) presents the environmental complaint flow diagram of the Project.
- 2.4.2 No complaint, summons or prosecution related to environmental issues was received or made against the Project in the reporting period.

### **3 Conclusion and Recommendation**

- 3.1.1 Environmental inspection was carried out on 11 May 2022 in accordance with the Operation EM&A Plan. No non-compliance was observed during the inspection. In general, the condition of the WRC was satisfactory.
- 3.1.2 Environmental mitigation measures as recommended in the EIA Report, Operational EM&A Plan and EP were properly implemented.
- 3.1.3 No complaint, summons or prosecution related to environmental issues was made against the Project in the reporting period.

#### **3.2 Recommendations**

- 3.2.1 The operator of WRC is reminded to continue to implement measures as recommended in the EIA Report and EP.

## Figures

# Appendix A

## Contacts of Key Environmental Staff

# **Appendix B**

## **Environmental Mitigation Implementation Schedule (EMIS)**

# Appendix C Environmental Complaint Flow Diagram



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