

**The Hongkong Electric Co Ltd**

香港電燈有限公司



**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) ORDINANCE, CAP. 499**

**ENVIRONMENTAL PERMIT NO. EP-083/2000**

**LAMMA POWER STATION  
CONVERSION OF TWO EXISTING GAS TURBINES (GT5 & GT7) INTO A  
COMBINED CYCLE UNIT  
ENVIRONMENTAL MONITORING & AUDIT PROGRAMME  
AT OPERATIONAL PHASE**

Report Title Monthly EM&A Report (December 2005)

Date 5 January 2006

Certified by

(Mr. Chan Kwok-Fai,  
Environmental Team Leader)

Verified by

(Nature & Technologies (HK) Ltd,  
Independent Environmental Checker)

## **1. AIR AND WATER QUALITY MONITORING FOR GT57 OPERATION IN DECEMBER 2005**

This is the December 2005 Environmental Monitoring and Audit (EM&A) report for the Project "Operation of GT57 Combined Cycle Unit" prepared by the Environmental Team (ET). GT57 was not operated in the reporting month. In this regard, no air quality and water quality monitoring pertinent to GT57 was carried out in the reporting month.

## **2. PROGRESS OF EXISTING AMBIENT AIR QUALITY NETWORK REVIEW**

The review of the existing HEC ambient air quality network is in progress. No suitable site has been identified for the installation of an ambient air quality monitoring station at Cheung Chau as of the date of this report.

## **3. IMPLEMENTATION STATUS ON THERMAL PLUME SURVEYS**

No thermal plume survey was carried out in the reporting month. The survey would only be conducted under the conditions stipulated in the proposal on the programme and methodologies for thermal plume survey attached in the EM&A manual (Operational Phase).

## **4. FUTURE KEY ISSUES**

### **4.1 Outage Plan for the coming 3 months**

No major outage plan for the next 3 months.

### **4.2 Key issues for the coming month**

Key issues to be considered in the coming month include:

#### *Air Impact*

- To monitor the water injection rate continuously while GT57 is operating.
- To monitor the sulphur content of the LGO to be burnt in the combined cycle unit.

#### *Water Impact*

- To carry out water quality monitoring while GT57 is operating as required by the EM&A manual (Operational phase).

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