

香港電燈有限公司
The Hongkong Electric Co., Ltd.



**Lamma Power Station
Conversion of Two Existing Gas Turbines
(GT5 & GT7) into a Combined Cycle Unit
Operation Phase
Monthly EM&A Report**

January 2017



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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	<u>Monthly EM&A Report (January 2017)</u>
Date	<u>13 February 2017</u>
Certified by	<u></u> (Mr. Chan Kwok-Fai, Environmental Team Leader)
Verified by	<u></u> Mr. Y T Tang (AECOM Asia Company Limited, Independent Environmental Checker)

1. AIR AND WATER QUALITY MONITORING FOR GT57 OPERATION IN JANUARY 2017

This is the 167th monthly 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. FUTURE KEY ISSUES

2.1 Outage Plan for the coming 3 months

The major outage plan for the next 3 months is shown below:

Unit	Date	Remark
GT57	04/01/2017 to 10/3/2017	Unit Overhaul
GT5	10/03/2017 to 20/4/2017	Unit Overhaul

2.2 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 NOx emission continuously through the GT57 CEM System.
- To monitor the sulphur content of the LGO if the combined cycle unit is run on LGO.

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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