

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



**Lamma Power Station
Units L2, L4 & L5 Flue Gas Desulphurization
Plants Retrofit**

Operational Phase

Quarterly Environmental Monitoring & Audit Report

January – March 2015

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



ENVIRONMENTAL IMPACT ASSESSMENT (EIA) ORDINANCE, CAP. 499

ENVIRONMENTAL PERMITS NO. EP-248/2006 & EP-287/2007

**LAMMA POWER STATION
UNITS L2, L4 & L5 FLUE GAS DESULPHURIZATION PLANTS RETROFIT**

**ENVIRONMENTAL MONITORING & AUDIT PROGRAMME
AT OPERATIONAL PHASE**

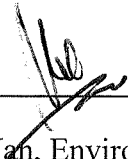
Report Title	Quarterly EM&A Report (January to March 2015)
Date	29 June 2015
Certified by	 (Mr. IP Tat-Yan, Environmental Team Leader)

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EXECUTIVE SUMMARY

This is the quarterly Environmental Monitoring and Audit (EM&A) report for the Projects “Lamma Power Station Units L4 & L5 Flue Gas Desulphurization Plant Retrofit” and “Lamma Power Station Unit L2 Flue Gas Desulphurization Plant Retrofit” prepared by the Environmental Team (ET). This report presents the results of impact monitoring on air and water quality and environmental audit for the operation of the said projects in the period from January to March 2015.

Environmental monitoring for air quality and water quality were carried out for the purpose of this EM&A program as well as for fulfilling the requirements stipulated in the relevant licences. The results were checked against the established Action/Limit (AL) levels. The implementation status of the environmental mitigation measures, Event/Action Plan and environmental complaint handling procedures were also checked.

Plant Availability

Units L2, L4 and L5 were out of service during the following period:

Unit	Period	Remark
L4	05/02/2015 00:11 to 13/03/2015 23:30	Unit Overhaul
L5	01/01/2015 00:00 to 18/01/2015 16:30	Unit Overhaul
L5	23/01/2015 21:21 to 26/01/2015 20:48	Defect Rectification
L5	30/01/2015 21:18 to 01/02/2015 06:09	Defect Rectification
L5	07/02/2015 14:08 to 08/02/2015 22:37	Defect Rectification
L5	14/02/2015 13:39 to 16/02/2015 05:42	Defect Rectification

Malfunction/Outage Records of Pollution Control Equipment

Major outages of the Pollution Control Equipment during the reporting period are listed below:

Equipment	Period	Cause	Actions Taken
L5 FGD	08/12/2014 04:43 to 06:40 19/01/2015	FGD plant was bypassed defect rectification works, system washing and inspection.	EPD was informed by letter dated 20/01/2015
L5 FGD	07/03/2015 00:03 to 08/03/2015 13:42	FGD plant was bypassed for defect rectification.	EPD was informed by letter dated 11/03/2015

Equipment	Period	Cause	Actions Taken
L2 FGD	20/03/2015 13:22 to 17:05	FGD plant was bypassed due to high differential pressure across Booster Fan inlet damper	EPD was informed by letter dated 24/03/2015

For other minor outages, please refer to section 1.4 of the report.

Environmental Monitoring Works

Environmental monitoring works were performed during the operation of Units L2, L4 and L5 FGD Plants in the reporting period.

Air Quality

No exceedance of Action and Limit levels for air quality were recorded in the reporting period.

Water Quality

No exceedance of Action and Limit levels for water quality were recorded in the reporting period.

Environmental Licensing and Permitting

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
Environmental Permit for L4/5 FGD plants retrofit project	EP-248/2006	25/04/2006	-	HK Electric	25/04/2006
Environmental Permit for Unit L2 FGD plant retrofit project	EP-287/2007	02/10/2007	-	HK Electric	02/10/2007
Specified Process Licence issued under APCO	L-7-002(10)	01/01/2015	31/12/2016	HK Electric	23/12/2014
WPCO discharge licence for Ash Lagoon	WT00011131-2011	15/12/2011	31/12/2016	HK Electric	15/12/2011

Implementation Status of Environmental Mitigation Measures

Environmental mitigation measures were implemented in the reporting period.

Environmental Complaints

No environmental complaint against the operation of Lamma Power Station was received during the reporting period.

Future key issues

Key issues to be considered in the coming months include:

Air Impact

- To continuously carry out the air quality monitoring for Units L2, L4 and L5.

Water Impact

- To continuously carry out the water quality monitoring for FGD WWT plant.

Concluding Remarks

The environmental performance of the projects was generally satisfactory.

1. INTRODUCTION

The Environmental Team (hereinafter called the “ET”) was formed within The Hongkong Electric Co. Ltd (HK Electric) to undertake Environmental Monitoring and Audit for the “Operation of Lamma Power Station Units L4 & L5 Flue Gas Desulphurization Plant Retrofit Project” under the requirements of Clause 2.18 of Environmental Permit (EP) No. EP-248/2006 and “Operation of Lamma Power Station Unit L2 Flue Gas Desulphurization Plant Retrofit Project” under the requirements of Clause 2.10 of Environmental Permit (EP) No. EP-287/2007.

This report summarizes the environmental monitoring and audit work for the said Projects for the period from January to March 2015.

1.1 Background

The Projects involves retrofitting the three existing coal-fired generating Units L2, L4 and L5 of Lamma Power Station with Flue Gas Desulphurisation (FGD) plants for reducing sulphur dioxide emissions in support of Government policy to improve the air quality of the Pearl River Delta.

The Projects include the installation and operation of FGD plants with flue gas desulphurization efficiency of 90% for the three coal-fired Units L2, L4 & L5 to reduce the overall SO₂ emissions from Lamma Power Station. The process adopted for the FGD plants is “Wet Limestone-Gypsum”, a technology which has already been used in, and proved effective and reliable for the existing coal-fired units L6, L7 & L8. The flue gas from the boiler is directed to the FGD absorber inside which removal of SO₂ is take place by reaction with limestone slurry. After passing through the absorber, the treated flue gas is heated up by a gas-gas heater to over 80°C at boiler rated capacity and directed back to the existing chimney for discharge to the atmosphere. Figure 1.1a, Figure 1.1b, Figure 1.2a, Figure 1.2b and Figure 1.3 show the location and schematic of the FGD plants.

Wastewater filtrated from the reacted limestone slurry, i.e. gypsum slurry, is produced and it is directed to the existing FGD wastewater treatment plant (WWTP). The FGD WWTP is designed to treat the effluent from FGD plants by alkalization, precipitation and neutralization processes. The schematic diagram of the FGD WWTP is illustrated in Figure 1.4.

The additional equipment for the FGD Plants retrofit projects for Units L2, L4 and L5 includes:

- Three sets of FGD absorbers and associated ductworks
- Three sets of booster fans
- Three sets of gas-gas heaters
- Two FGD Switchgear and Equipment Buildings
- Gypsum dewatering system comprising two sets of hydrocyclones and belt filters

1.2 Project Organisation

The management structure to oversee the Projects includes the following:

- Environmental Protection Department (The Authority);
- General Manager (Corporate Development) (The official contact person between HK Electric and EPD);
- Environmental Team Leader (ET Leader);
- Environmental Team (ET).

The organization chart for the Operation EM&A programme is shown in Figure 1.5.

1.3 Plant Availability during the Reporting Period

Units L2, L4 and L5 were out of service during the following period:

Unit	Period	Remark
L4	05/02/2015 00:11 to 13/03/2015 23:30	Unit Overhaul
L5	01/01/2015 00:00 to 18/01/2015 16:30	Unit Overhaul
L5	23/01/2015 21:21 to 26/01/2015 20:48	Defect Rectification
L5	30/01/2015 21:18 to 01/02/2015 06:09	Defect Rectification
L5	07/02/2015 14:08 to 08/02/2015 22:37	Defect Rectification
L5	14/02/2015 13:39 to 16/02/2015 05:42	Defect Rectification

1.4 Malfunction/Outage Records of Pollution Control Equipment

Equipment	Period	Cause	Actions Taken
L2 FGD	28/01/2015 20:24 to 21:13	FGD plant was bypassed due to low FGD inlet flue gas temperature after defect rectification works.	EPD was informed by letter dated 30/01/2015

Equipment	Period	Cause	Actions Taken
L2 FGD	07/02/2015 01:08 to 01:20	Routine damper exercise	EPD was informed on 11/02/2015
L2 FGD	11/03/2015 17:36 to 17:51	FGD plant was bypassed due to high differential pressure across Booster Fan inlet damper	EPD was informed by letter dated 16/03/2015
L2 FGD	20/03/2015 13:22 to 17:05	FGD plant was bypassed due to high differential pressure across Booster Fan inlet damper	EPD was informed by letter dated 24/03/2015
L4 FGD	03/01/2015 02:14 to 02:25	Routine damper exercise	EPD was informed by letter dated 06/01/2015
L4 FGD	10/01/2015 01:58 to 02:07	Routine damper exercise	EPD was informed by letter dated 14/01/2015
L4 FGD	31/01/2015 03:24 to 03:36	Routine damper exercise	EPD was informed by letter dated 03/02/2015
L4 FGD	22/03/2015 01:17 to 01:21	Routine damper exercise	EPD was informed by letter dated 24/03/2015
L4 FGD	28/03/2015 02:10 to 02:13	Routine damper exercise	EPD was informed by letter dated 01/04/2015
L5 FGD	08/12/2014 04:43 to 06:40 19/01/2015	FGD plant was bypassed defect rectification works, system washing and inspection.	EPD was informed by letter dated 20/01/2015
L5 FGD	28/02/2015 03:06 to 03:09	Routine damper exercise	EPD was informed on 03/03/2015
L5 FGD	07/03/2015 00:03 to 08/03/2015 13:42	FGD plant was bypassed for defect rectification.	EPD was informed by letter dated 11/03/2015
L5 FGD	21/03/2015 01:21 to 01:24	Routine damper exercise	EPD was informed on 24/03/2015
L5 FGD	28/03/2015 02:14 to 02:17	Routine damper exercise	EPD was informed on 01/04/2015

1.5 Summary of EM&A Requirements

Environmental Monitoring and Audit (EM&A) requirements have been discussed in the Environmental Impact Assessment (EIA) Report/ Project Profile for the Projects. The assessment results indicate that environmental monitoring works required for the EM&A programmes of these Projects are already in place or would be implemented

under Lamma Power Station Extension Environmental Permit or environmental licenses for the operation of the existing Lamma Power Station. Such monitoring works are considered adequate for the Projects and no additional EM&A activities are required. Hence, environmental monitoring for air quality and water quality are carried out for the purpose of this EM&A program as well as for fulfilling the requirements stipulated in the relevant licences.

The EM&A monitoring work for air and water quality are described in Section 2 and Section 3 respectively.

The following environmental audits are summarized in Section 4 of the report:

- Environmental monitoring results;
- The status of environmental licensing and permits for the Projects;
- The implementation status of environmental protection and pollution control / mitigation measures.

The future key issues for the Projects will be reported in Section 5 of this report.

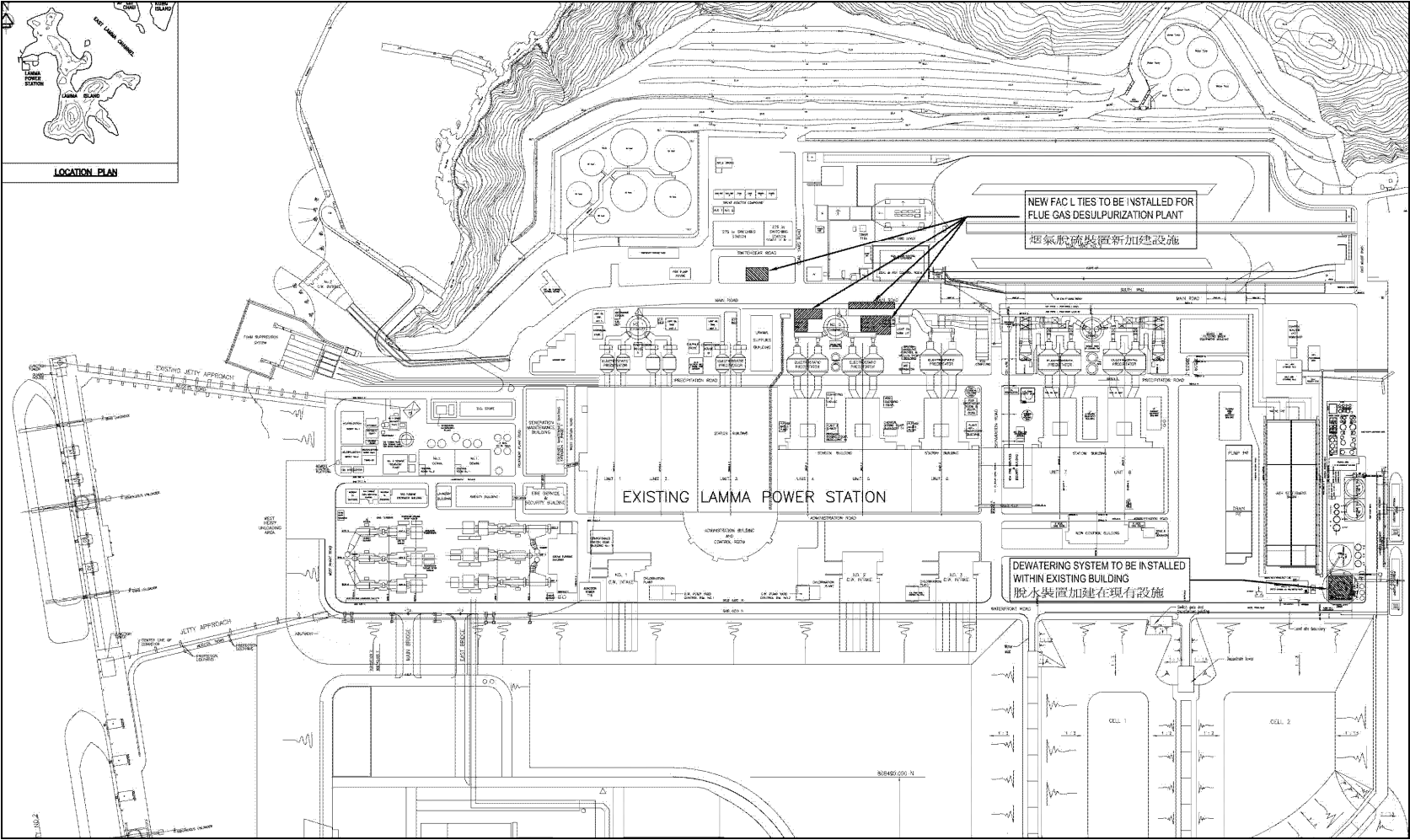


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

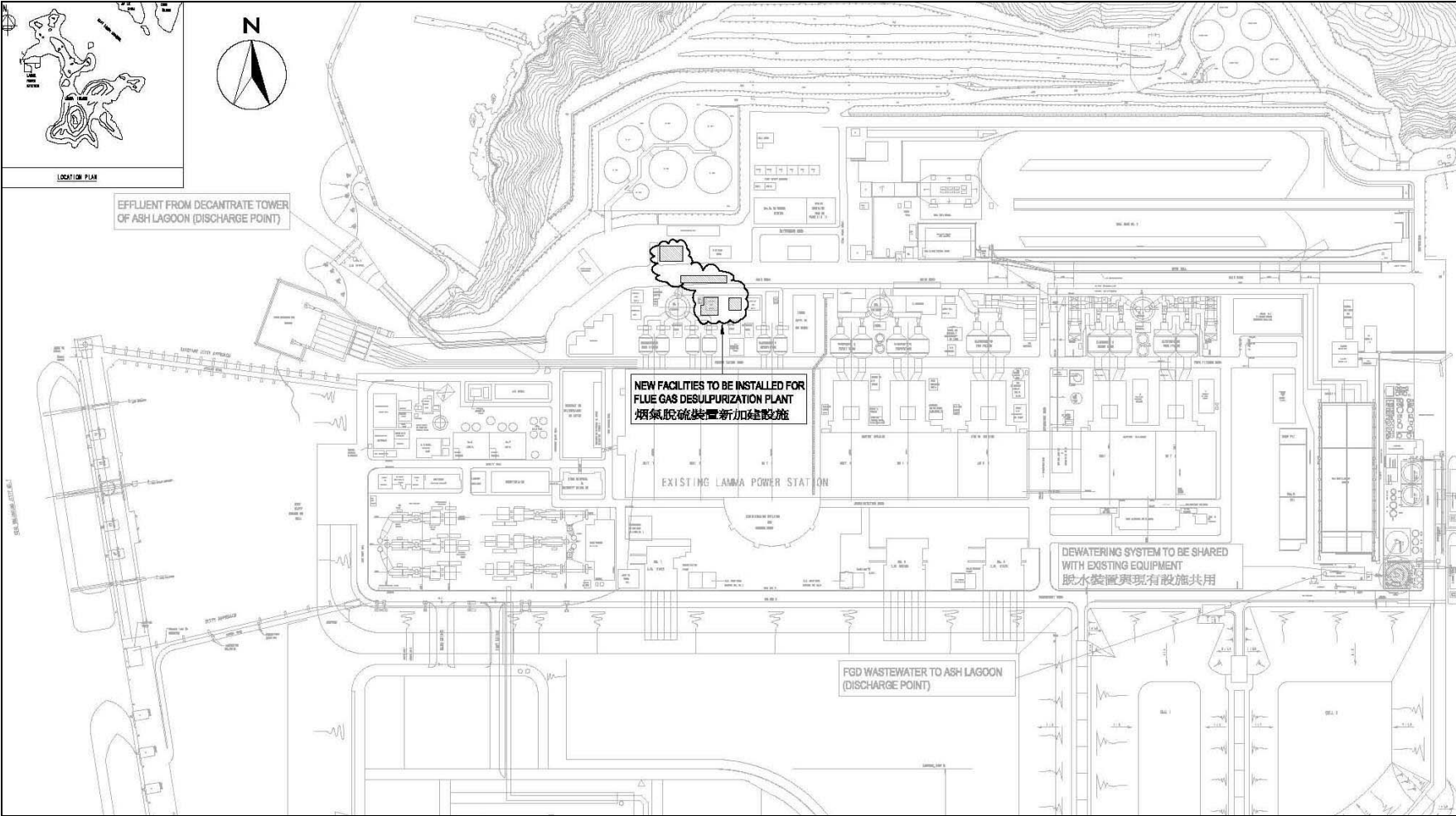


Figure 1.1b Location of New Facilities for L2 FGD Plant

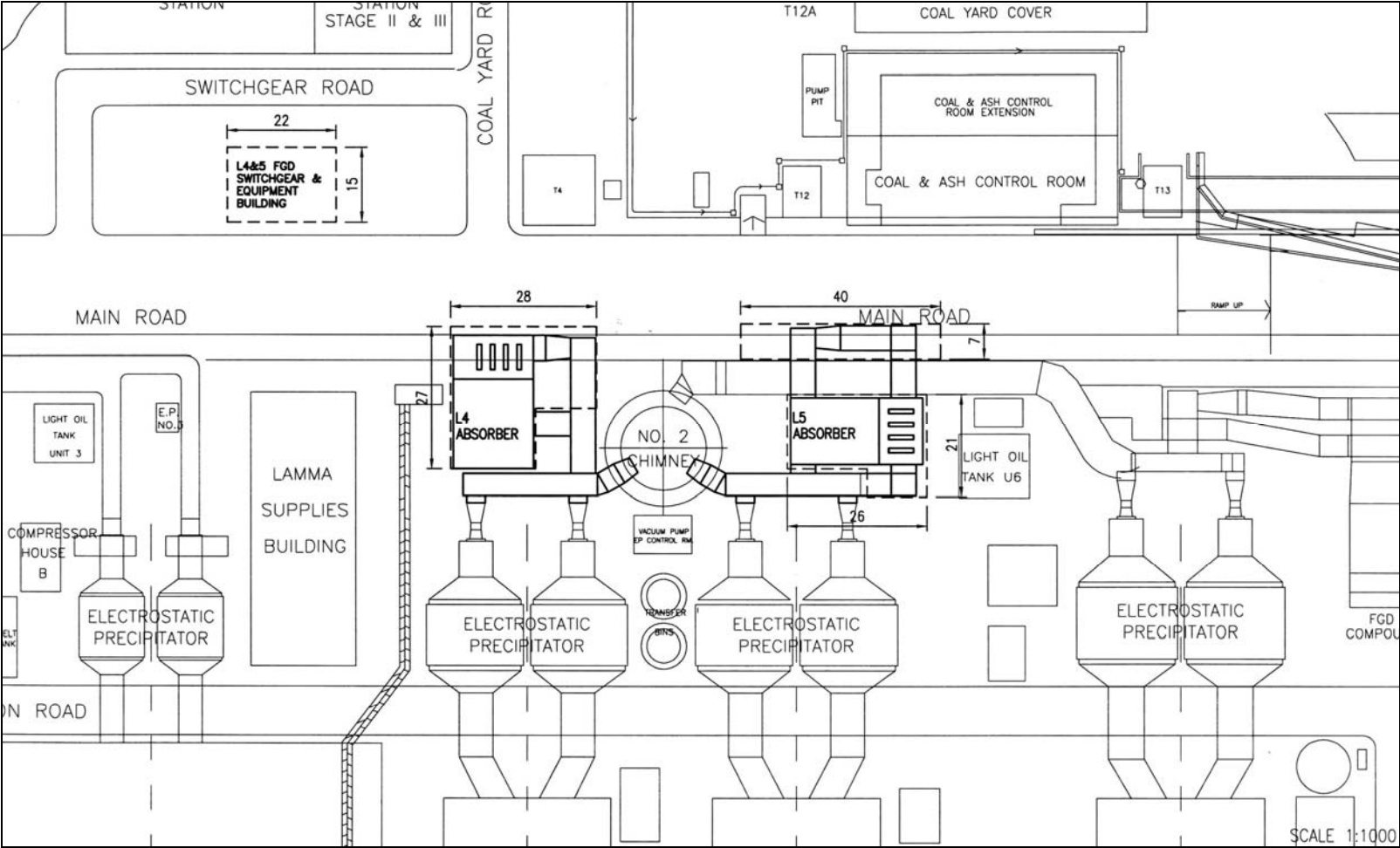


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

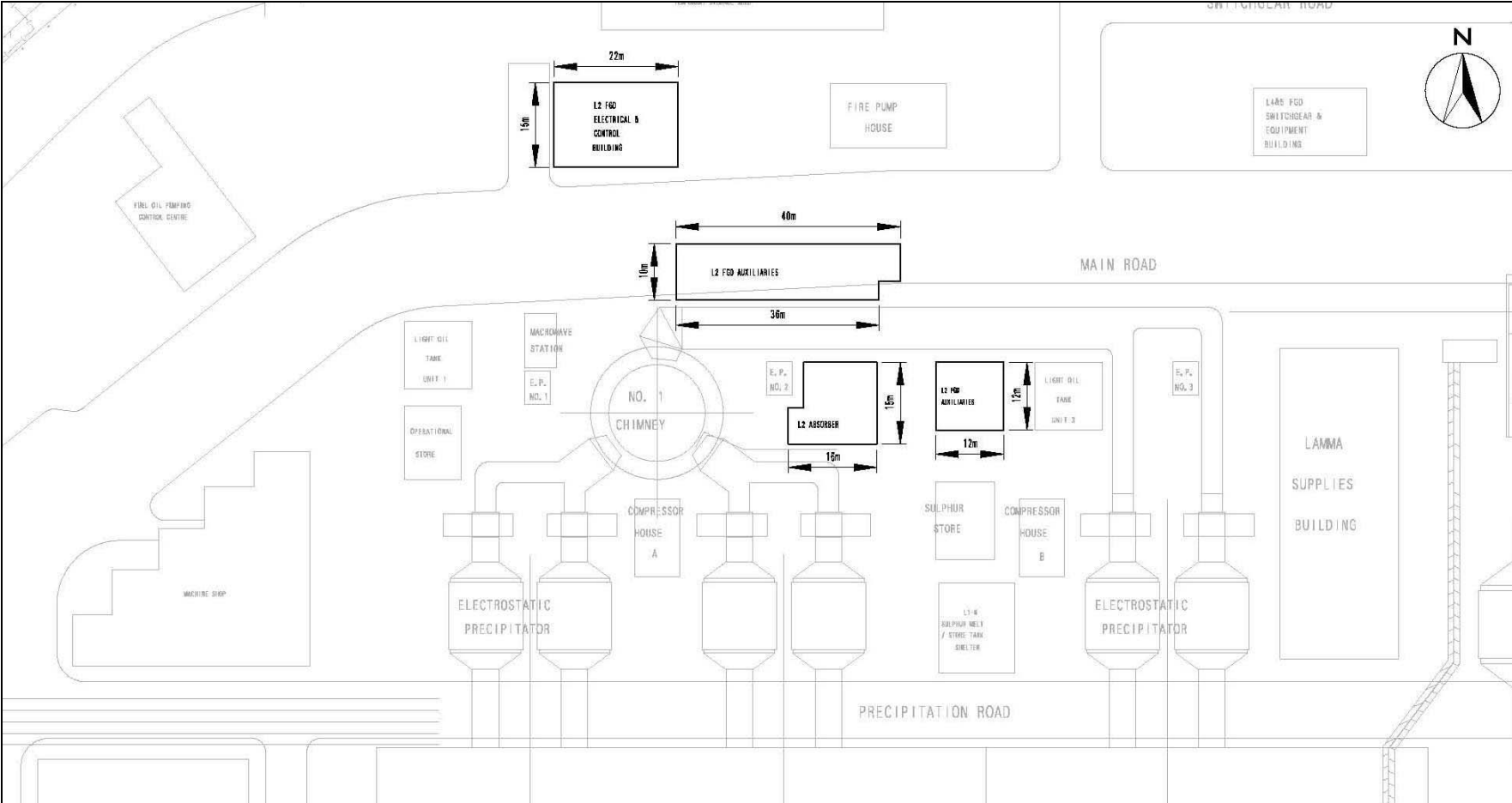


Figure 1.2b General Arrangement of L2 FGD Plant

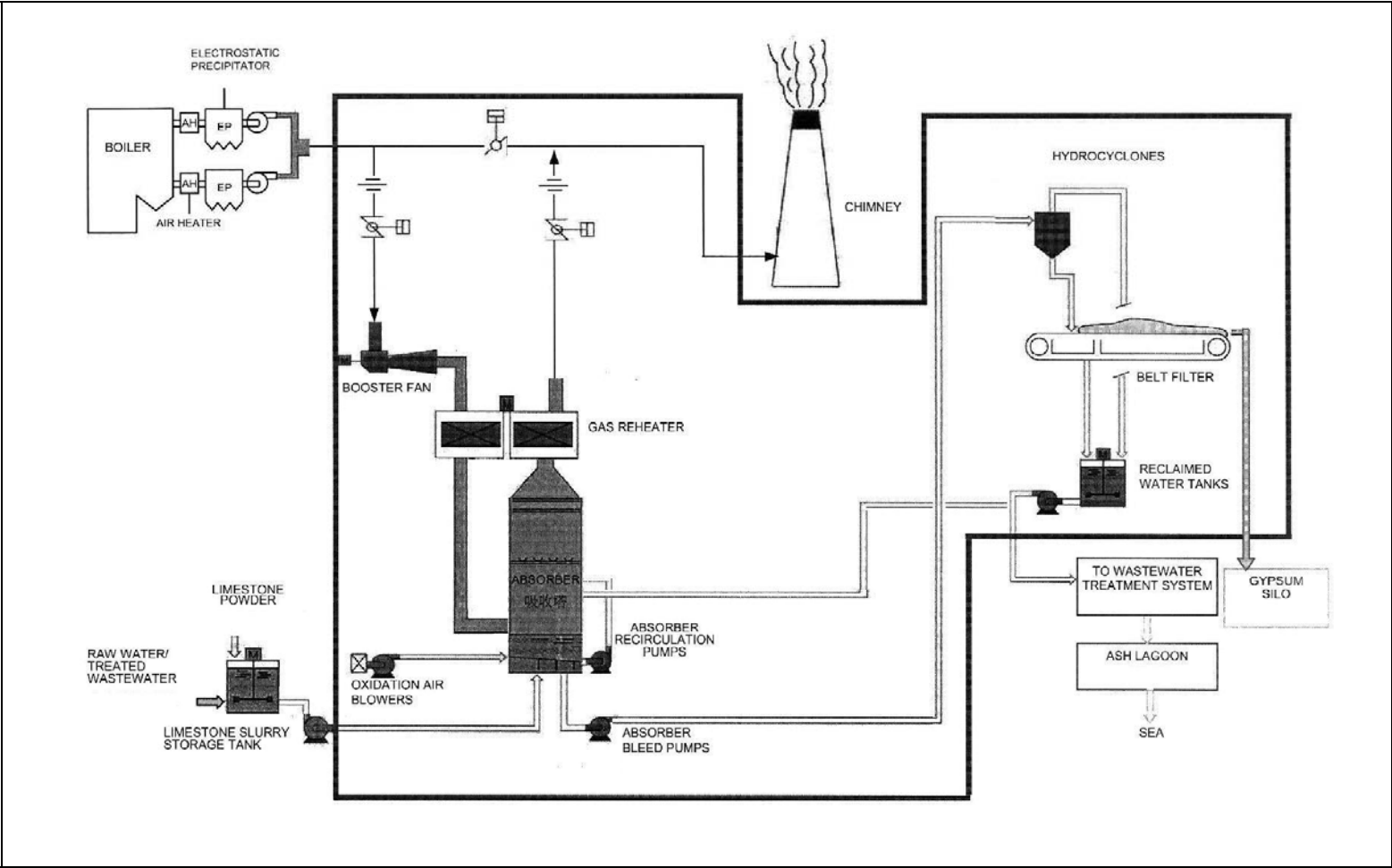


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

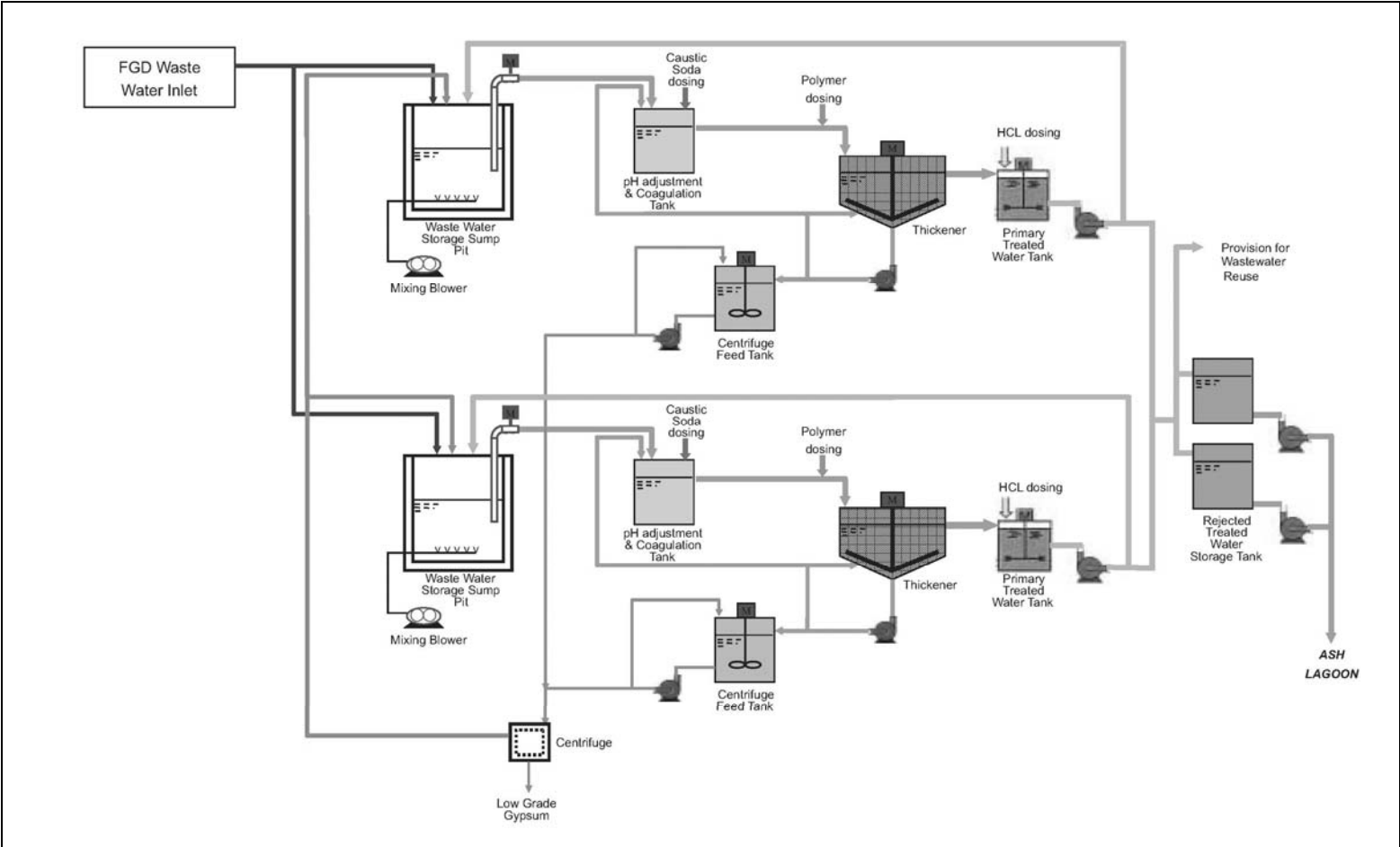


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

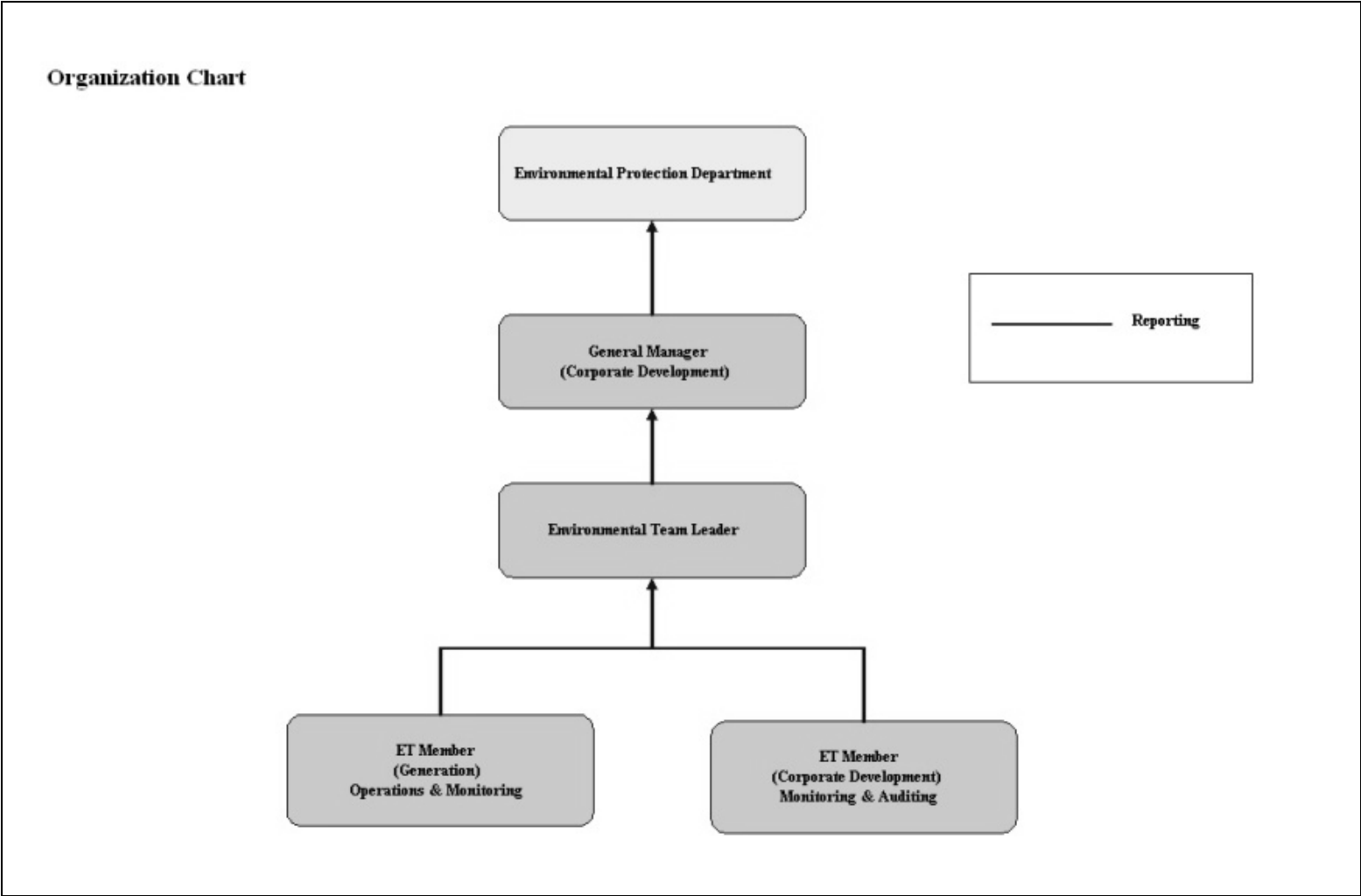


Figure 1.5 Organization Structure at Operational Phase of the Projects

2. AIR QUALITY

2.1 Monitoring Requirements

Since the Projects will bring a general air quality improvement, no additional EM&A activities are considered required, besides those already in place, such as those required by specified process licenses for the operation of the existing Lamma Power Station. In accordance with the requirements stipulated in the Specified Processes Licence issued under Air Pollution Control Ordinance, various operation parameters as stated in Table 2.1 were monitored and checked against the Action/Limit Levels shown in Appendix A.

Table 2.1 Air Quality Monitoring Parameters and Frequency

Sources of Emission	Parameter	Frequency
Steam boilers L2, L4 & L5	Particulate	Once / year
	Particulate (Opacity)	Continuous
	SO ₂	Continuous
	NO _x expressed as NO ₂ (For L4 and L5 only)	Continuous
Fugitive Dust (Coal, PFA, Limestone, gypsum)	Total Suspended Particulate	Once every six days
Chimney emissions	Ambient air	Continuous at existing ambient air monitoring stations
	SO ₂	
	NO ₂	

2.2 Summary of Results and Observations

Monitoring of various parameters as listed in Table 2.1 above was conducted during the operation of Units L2, L4 and L5 in the reporting period. A summary of monitoring data is shown in Appendix B.

No Action/Limit Level exceedance was recorded in the reporting period.

3. WATER QUALITY

3.1 Monitoring Requirements

According to the EIA Report/ Project Profile for the Projects, the current monitoring programme for the Lamma Power Station can cover the Projects and no additional EM&A measures are required besides those already in place. Hence, the EM&A work on water quality should strictly follow the relevant monitoring requirements stipulated in the discharge licence for Ash Lagoon issued under the Water Pollution Control Ordinance (WPCO).

Water quality monitoring was carried out for FGD Waste Water Treatment Plant (WWTP) in the reporting period. The parameters stated in Table 3.1 were monitored and checked against the Action/Limit Levels as given in Appendix A.

Table 3.1 Water Quality Monitoring Parameters and Frequencies

Item	Parameters	Frequencies
1	pH	Daily
2	Suspended Solids	Daily
3	Iron	Monthly
4	Barium	Monthly
5	Mercury	Monthly
6	Cadmium	Monthly
7	Cyanide	Monthly
8	Total Phosphorus	Monthly
9	Total Nitrogen	Monthly

3.2 Summary of Results and Observations

Monitoring of various parameters as listed in Table 3.1 above was carried out during the discharge of the WWTP in the reporting period. A summary of the data is shown in Appendix C.

The data recorded for the monitoring parameters were all below their corresponding Action/Limit Levels. No Action/Limit level exceedance was recorded in the reporting period. The effluent quality was generally satisfactory.

4. ENVIRONMENTAL AUDIT

4.1 Review of Environmental Monitoring Procedures

The environmental monitoring procedures were regularly reviewed by the Environmental Team. No modification to the existing monitoring procedures was recommended.

4.2 Assessment of Environmental Monitoring Results

Monitoring results for Air Quality and Water Quality

The environmental monitoring results for air quality and water quality are presented in Sections 2 and 3 respectively are summarized in Table 4.1.

Table 4.1 Summary of Action/Limit Level Exceedances on Monitoring Parameters

Item	Parameter Monitored	Monitoring Period	No. of Exceedances In		Event/Action Plan Implementation Status and Results
			Action Level	Limit Level	
Air					
1	Annual analysis of dust particulate emission rates at chimney stacks.	01/01/15-31/03/15	N.A.	0	No sampling was conducted in the reporting period.
2	Continuous monitoring of opacity, NO _x , SO ₂ and CO ₂ in the flue gas at the chimney stacks	01/01/15-31/03/15	0	0	
3	TSP monitoring at Lamma Power Station Boundary (ie East Gate and Reservoir).	01/01/15-31/03/15	0	0	
4	Ambient SO ₂ & NO _x monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and	01/01/15-31/03/15	0	0	

Item	Parameter Monitored	Monitoring Period	No. of Exceedances In		Event/Action Plan Implementation Status and Results
			Action Level	Limit Level	
	Cheung Chau.				
Water					
1	pH in WWTP Effluent	01/01/15-31/03/15	0	0	
2	Suspended Solids in WWTP Effluent	01/01/15-31/03/15	0	0	
3	Iron in WWTP Effluent	01/01/15-31/03/15	0	0	
4	Barium in WWTP Effluent	01/01/15-31/03/15	0	0	
5	Mercury in WWTP Effluent	01/01/15-31/03/15	0	0	
6	Cadmium in WWTP Effluent	01/01/15-31/03/15	0	0	
7	Cyanide in WWTP Effluent	01/01/15-31/03/15	0	0	
8	Total Phosphorus in WWTP Effluent	01/01/15-31/03/15	0	0	
9	Total Nitrogen in WWTP Effluent	01/01/15-31/03/15	0	0	

Waste Management Records

The quantity of FGD gypsum and sludge collected for reuse by contractor in the reporting period are shown in Table 4.2.

Table 4.2 Amount of Gypsum and Sludge Collected for Reuse by Contractor

Period	Amount of Gypsum Collected	Amount of Sludge Collected
January 2015	1706.5 MT	0 MT
February 2015	3494.4 MT	127.6 MT
March 2015	6839.6 MT	0 MT

4.3 Status of Environmental Licensing and Permitting

All permits/licenses obtained as of March 2015 are summarised in Table 4.3.

Table 4.3 Summary of Environmental Licensing and Permit Status

Description	Permit / Licence No.	Valid Period		Status
		From	To	
Environmental Permit for Units L4/5 FGD Plants Retrofit	EP-248/2006	25/04/2006	-	Valid
Environmental Permit for Unit L2 FGD Plant Retrofit	EP-287/2007	02/10/2007	-	Valid
Specified Process Licence issued under APCO	L-7-002(10)	01/01/2015	31/12/2016	Valid
WPCO discharge licence for Ash Lagoon	WT00011131-2011	15/12/2011	31/12/2016	Valid

4.4 Implementation Status of Environmental Mitigation Measures

Mitigation measures detailed in the EIA Report and EP are required to be implemented. A summary of the Environmental Mitigation Implementation Schedule (EMIS) is presented in Appendix D.

4.5 Implementation Status of Event/Action Plan

A list of specific actions in the event of exceedances of the various threshold levels for specific emission and discharge sources is given in Appendix A.

As no Action/Limit level exceedance was recorded, no action has been devised.

4.6 Implementation Status of Environmental Complaint Handling Procedures

During the reporting period, there was no environmental complaint against the operation of Lamma Power Station.

Table 4.4 Environmental Complaints Received

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions / Actions Taken	Conclusion / Status
Nil	N/A	N/A

Table 4.5 Outstanding Environmental Complaints Carried Over

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions / Actions Taken	Conclusion / Status
Nil	N/A	N/A

5. FUTURE KEY ISSUES

5.1 Outage Plan for the coming 3 months

No major outage plan for the coming three months.

5.2 Key issues for the coming 3 months

Key issues to be considered in the coming 3 months include:

Air Impact

- To continuously carry out the air quality monitoring for Units L2, L4 and L5.

Water Impact

- To continuously carry out the water quality monitoring for FGD Waste Water Treatment Plant.

6. CONCLUSION

Environmental monitoring was performed as required in the reporting period from January to March 2015. All monitoring results were checked and reviewed.

No Action/Limit level exceedance on air quality parameters were recorded in the reporting period.

No Action/Limit level exceedance on water quality parameters were recorded in the reporting period.

Environmental mitigation measures recommended in the EIA Report and EP were implemented in the reporting period. No environmental complaint against the operation of Lamma Power Station was received during the reporting period. No prosecution was received for the Projects in the reporting period.

The environmental performance of the Projects was generally satisfactory.

Appendix A Event/Action Plans in Response to Exceedance of AL Levels

A.1 Air

Source of Emissions	Parameters to be Monitored	Frequency	Concentration Not to Be Exceeded	Action	Limit	Proposed Action
Steam boilers L2, L4 and L5	Particulate Particulate (Opacity) SO ₂ NO _x expressed as NO ₂ (For L4 and L5 only)	once/year continuous continuous continuous	50 mg/Nm ³ 40% (bihourly) 200 mg/Nm ³ (1h) 615 mg/Nm ³ (1h)	- 35 190 585	50 40 200 615	ET Leader informs Generation Division at action level. Maintenance initiated. Temporary load shift until pollution control equipment repaired and reinstated. Report to EPD.
Fugitive dust (Coal, PFA, limestone, gypsum)	TSP	Once every six days.	260 (µg/m ³) (24 hours)	-	260	Investigation of sources and additional dust suppression to be employed at Limit level. Frequency of monitoring to be increased as necessary.
Chimney emissions	Ambient air SO ₂ NO ₂	Continuous at existing ambient air monitoring stations	800 (µg/m ³) (1h) 300 (µg/m ³) (1h)	- -	800 300	ET to review data on post-hoc basis and check for possible power station contribution.

A.2 Water

Source of Discharges	Parameters to be Monitored	Frequency	Concentration Not to Be Exceeded	Action	Limit	Proposed Action
FGD Wastewater Treatment Plant	pH	Daily	6-9	-	6-9	If pH exceeds limit level, consideration to be given to adjust chemical dosing. ET Leader inform Generation Division and investigation be initiated to identify and remedy cause.
	Suspended Solids	Daily	30 mg/L	25	30	
	Iron	Monthly	4 mg/L	3.6	4	For all other parameters except pH, Generation Division to be informed, frequency of monitoring to be increased, and investigations to be initiated to identify cause and remedy if concentration exceeds action level. If problem persists to exceed the limit level, ET Leader verbally informs EPD and ensures remedial actions implemented.
	Barium	Monthly	1.5 mg/L	1.3	1.5	
	Mercury	Monthly	0.005 mg/L	0.0045	0.005	
	Cadmium	Monthly	0.005 mg/L	0.0045	0.005	
	Cyanide	Monthly	0.1 mg/L	0.09	0.1	
	Total Phosphorus	Monthly	8 mg/L	7.2	8	
	Total Nitrogen	Monthly	400 mg/L	360	400	

Appendix B

Air Quality Monitoring Results

B.1 Ambient Total Suspended Particulate Monitoring at Lamma Power Station

Date: First Quarter of 2015 (January - March)

DATE	TSP CONCENTRATION ($\mu\text{g}/\text{m}^3$)		WEATHER INFORMATION (from Hong Kong Observatory)		
	Reservoir	East Gate	Mean Wind Speed (km/hr)	Prevailing Wind Dir. ($^{\circ}$)	Mean R.H. (%)
03/01/2015	66	58	30.5	070	65
09/01/2015	97	84	25.1	060	70
15/01/2015	54	49	21.5	030	66
21/01/2015	165	143	6.5	030	70
27/01/2015	55	52	25.5	060	82
02/02/2015	68	62	29.1	060	77
08/02/2015	129	113	27.8	020	51
14/02/2015	111	83	27.4	050	53
20/02/2015	50	52	31.7	050	84
26/02/2015	27	23	13.1	040	91
04/03/2015	48	30	31.8	060	91
10/03/2015	96	73	45.2	080	73
16/03/2015	32	27	13.6	040	93
22/03/2015	48	55	32.3	070	81
28/03/2015	43	42	14.6	050	81

Remark: (1) Breakdown of High Volume Air Sampler

	TSP ($\mu\text{g}/\text{m}^3$)
Action Level	-
Limit Level	260

Equipment used: Reservoir & East Gate : High Volume Air Sampler

B.2 Unit L2, L4 and L5 Stack Monitoring at Lamma Power Station

B.2.1 Monthly Summary of Stack NOx and SO2 for Unit L5

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) #	NOx concentration (mg/Nm3) #	Opacity (%)
1/1/2015	*	*	*
2/1/2015	*	*	*
3/1/2015	*	*	*
4/1/2015	*	*	*
5/1/2015	*	*	*
6/1/2015	*	*	*
7/1/2015	*	*	*
8/1/2015	*	*	*
9/1/2015	*	*	*
10/1/2015	*	*	*
11/1/2015	*	*	*
12/1/2015	*	*	*
13/1/2015	*	*	*
14/1/2015	*	*	*
15/1/2015	*	*	*
16/1/2015	*	*	*
17/1/2015	*	*	*
18/1/2015	*	*	*
19/1/2015	59	365	25
20/1/2015	*	*	*
21/1/2015	108	371	21
22/1/2015	80	414	19
23/1/2015	32	399	20
24/1/2015	*	*	*
25/1/2015	*	*	*
26/1/2015	82	324	21
27/1/2015	29	413	21
28/1/2015	69	407	22
29/1/2015	56	375	23
30/1/2015	22	381	24
31/1/2015	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/2/2015	6	433	25
2/2/2015	15	444	25
3/2/2015	25	454	25
4/2/2015	8	436	25
5/2/2015	7	411	20
6/2/2015	13	446	21
7/2/2015	5	421	21
8/2/2015	*	*	*
9/2/2015	27	458	21
10/2/2015	108	450	21
11/2/2015	95	472	21
12/2/2015	62	462	21
13/2/2015	71	504	20
14/2/2015	16	397	21
15/2/2015	*	*	*
16/2/2015	39	425	23
17/2/2015	36	403	21
18/2/2015	11	401	22
19/2/2015	8	410	22
20/2/2015	8	383	23
21/2/2015	10	415	23
22/2/2015	11	418	23
23/2/2015	19	440	24
24/2/2015	24	394	23
25/2/2015	17	390	24
26/2/2015	18	431	24
27/2/2015	25	369	24
28/2/2015	20	421	24

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/3/2015	18	451	24
2/3/2015	74	464	26
3/3/2015	92	506	27
4/3/2015	71	450	30
5/3/2015	58	469	30
6/3/2015	64	474	30
7/3/2015	*	407	15
8/3/2015	34	473	12
9/3/2015	52	472	13
10/3/2015	58	455	13
11/3/2015	57	438	14
12/3/2015	38	402	13
13/3/2015	54	309	15
14/3/2015	88	392	12
15/3/2015	72	478	12
16/3/2015	77	419	12
17/3/2015	73	440	13
18/3/2015	75	424	13
19/3/2015	84	443	12
20/3/2015	82	476	12
21/3/2015	113	456	12
22/3/2015	119	480	13
23/3/2015	147	497	18
24/3/2015	124	485	13
25/3/2015	117	478	12
26/3/2015	104	481	15
27/3/2015	116	420	12
28/3/2015	114	436	12
29/3/2015	84	461	12
30/3/2015	84	465	12
31/3/2015	85	438	11

Note: # - Hourly average value. Expressed as at 0°C, 101.325kPa, dry and corrected to 12% CO₂ condition.

B.2.2 Monthly Summary of Stack NOx and SO2 for Unit L4

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) #	NOx concentration (mg/Nm3) #	Opacity (%)
1/1/2015	22	423	30
2/1/2015	28	461	29
3/1/2015	18	449	28
4/1/2015	42	486	30
5/1/2015	24	467	29
6/1/2015	10	434	15
7/1/2015	13	455	14
8/1/2015	16	500	12
9/1/2015	15	462	22
10/1/2015	13	469	24
11/1/2015	15	487	26
12/1/2015	12	454	23
13/1/2015	15	333	20
14/1/2015	34	420	24
15/1/2015	45	411	17
16/1/2015	48	439	15
17/1/2015	48	431	9
18/1/2015	36	397	9
19/1/2015	72	411	16
20/1/2015	84	422	12
21/1/2015	66	391	12
22/1/2015	80	392	15
23/1/2015	67	378	12
24/1/2015	106	426	13
25/1/2015	35	408	12
26/1/2015	37	414	18
27/1/2015	30	423	19
28/1/2015	46	446	24
29/1/2015	31	427	24
30/1/2015	28	384	19
31/1/2015	49	380	25

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/2/2015	8	354	16
2/2/2015	39	425	18
3/2/2015	22	379	26
4/2/2015	25	466	10
5/2/2015	*	*	*
6/2/2015	*	*	*
7/2/2015	*	*	*
8/2/2015	*	*	*
9/2/2015	*	*	*
10/2/2015	*	*	*
11/2/2015	*	*	*
12/2/2015	*	*	*
13/2/2015	*	*	*
14/2/2015	*	*	*
15/2/2015	*	*	*
16/2/2015	*	*	*
17/2/2015	*	*	*
18/2/2015	*	*	*
19/2/2015	*	*	*
20/2/2015	*	*	*
21/2/2015	*	*	*
22/2/2015	*	*	*
23/2/2015	*	*	*
24/2/2015	*	*	*
25/2/2015	*	*	*
26/2/2015	*	*	*
27/2/2015	*	*	*
28/2/2015	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/3/2015	*	*	*
2/3/2015	*	*	*
3/3/2015	*	*	*
4/3/2015	*	*	*
5/3/2015	*	*	*
6/3/2015	*	*	*
7/3/2015	*	*	*
8/3/2015	*	*	*
9/3/2015	*	*	*
10/3/2015	*	*	*
11/3/2015	*	*	*
12/3/2015	*	*	*
13/3/2015	*	*	*
14/3/2015	108	383	17
15/3/2015	102	443	19
16/3/2015	108	432	31
17/3/2015	47	405	22
18/3/2015	53	449	22
19/3/2015	122	434	16
20/3/2015	133	415	27
21/3/2015	136	487	15
22/3/2015	85	496	15
23/3/2015	78	502	24
24/3/2015	96	518	26
25/3/2015	107	493	22
26/3/2015	100	502	22
27/3/2015	76	440	16
28/3/2015	65	440	15
29/3/2015	57	477	14
30/3/2015	72	378	16
31/3/2015	59	417	17

Note: # - Hourly average value. Expressed as at 0°C, 101.325kPa, dry and corrected to 12% CO₂ condition.

* - Unit L4 was not on load.

B.2.3 Monthly Summary of Stack SO2 for Unit L2

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) #	Opacity (%)
1/1/2015	*	*
2/1/2015	24	12
3/1/2015	44	12
4/1/2015	*	*
5/1/2015	14	6
6/1/2015	24	6
7/1/2015	19	7
8/1/2015	21	6
9/1/2015	24	5
10/1/2015	17	13
11/1/2015	22	14
12/1/2015	33	14
13/1/2015	40	16
14/1/2015	31	13
15/1/2015	29	14
16/1/2015	38	14
17/1/2015	24	12
18/1/2015	21	14
19/1/2015	8	13
20/1/2015	22	16
21/1/2015	17	15
22/1/2015	22	15
23/1/2015	25	14
24/1/2015	22	16
25/1/2015	25	15
26/1/2015	36	16
27/1/2015	32	18
28/1/2015	89	15
29/1/2015	29	16
30/1/2015	35	18
31/1/2015	28	18

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) [#]	Opacity (%)
1/2/2015	25	15
2/2/2015	28	18
3/2/2015	34	17
4/2/2015	19	18
5/2/2015	31	16
6/2/2015	33	18
7/2/2015	24	16
8/2/2015	93	17
9/2/2015	120	14
10/2/2015	134	13
11/2/2015	138	12
12/2/2015	127	12
13/2/2015	92	13
14/2/2015	82	15
15/2/2015	44	16
16/2/2015	37	18
17/2/2015	34	14
18/2/2015	27	13
19/2/2015	*	*
20/2/2015	*	*
21/2/2015	17	14
22/2/2015	26	14
23/2/2015	34	13
24/2/2015	48	13
25/2/2015	23	14
26/2/2015	20	14
27/2/2015	22	13
28/2/2015	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) [#]	Opacity (%)
1/3/2015	*	*
2/3/2015	17	15
3/3/2015	19	14
4/3/2015	28	14
5/3/2015	33	15
6/3/2015	22	15
7/3/2015	*	*
8/3/2015	*	*
9/3/2015	11	15
10/3/2015	23	14
11/3/2015	45	15
12/3/2015	20	15
13/3/2015	96	14
14/3/2015	*	*
15/3/2015	*	*
16/3/2015	62	12
17/3/2015	59	17
18/3/2015	78	11
19/3/2015	63	10
20/3/2015	49	13
21/3/2015	43	10
22/3/2015	*	*
23/3/2015	56	10
24/3/2015	105	9
25/3/2015	102	10
26/3/2015	*	*
27/3/2015	*	*
28/3/2015	*	*
29/3/2015	*	*
30/3/2015	94	10
31/3/2015	96	10

Note: # - Hourly average value. Expressed as at 0°C, 101.325kPa, dry and corrected to 12% CO₂ condition.

* - Unit L2 was not on load.

B.3 Ambient SO₂ and NO₂ monitoring Data at Southern District and Cheung Chau

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	8	10	10	12	19	17	12	11	12	10	10	10	11	9	8	8	10	7	6	5	6	6	10
2	5	4	4	4	3	3	3	4	12	13	13	15	15	14	14	12	9	6	5	4	4	4	5	4	7
3	5	5	6	5	5	6	6	7	9	10	9	8	9	7	6	6	5	4	3	3	4	5	2	3	6
4	2	1	1	1	1	2	2	2	4	4	5	7	6	20	8	4	4	2	1	1	1	0	1	1	3
5	0	0	0	0	0	0	0	0	1	1	1	3	3	3	4	1	4	4	1	1	2	2	3	1	1
6	1	0	0	0	0	0	0	1	5	7	15	22	26	16	20	17	16	16	5	4	6	5	4	10	8
7	11	11	18	15	4	3	2	1	2	5	9	8	11	17	16	17	15	12	10	20	23	14	11	8	11
8	7	7	7	8	7	7	7	7	12	10	7	6	7	5	6	6	5	3	2	3	3	3	3	3	6
9	3	4	4	4	4	4	4	6	9	8	12	11	13	10	11	12	11	10	8	10	11	8	7	6	8
10	4	3	5	7	8	10	7	10	11	18	19	16	14	11	10	8	7	6	6	6	5	5	4	4	9
11	3	4	4	5	5	4	6	8	10	13	15	18	14	13	9	9	7	8	12	8	8	8	8	7	9
12	7	6	8	8	9	12	11	8	7	6	8	6	4	4	2	2	2	2	3	3	2	1	1	0	5
13	0	0	0	0	0	0	0	0	2	2	0	1	2	2	4	3	2	1	1	2	2	2	1	1	1
14	0	0	0	0	1	1	1	2	5	7	11	17	12	6	9	8	3	2	2	3	4	4	2	2	4
15	1	1	1	1	2	2	1	2	4	6	4	4	4	4	7	19	19	17	13	17	8	8	2	2	6
16	2	2	1	1	1	1	1	2	8	21	10	7	8	19	21	15	15	20	19	23	27	17	14	9	11
17	7	6	7	8	8	8	5	5	8	10	9	7	8	8	8	6	5	3	2	2	3	2	2	3	6
18	3	2	3	3	3	3	4	5	8	9	11	14	13	14	15	13	20	20	14	19	19	17	18	18	11
19	18	18	19	17	16	16	16	19	35	36	35	20	14	11	9	10	10	8	6	5	5	4	4	4	15
20	5	4	5	5	4	5	7	9	10	10	12	11	9	11	11	12	10	9	7	7	8	7	8	10	8
21	11	10	10	9	12	15	23	21	33	48	48	52	56	58	64	56	76	83	73	61	52	40	39	33	41
22	29	19	16	15	14	14	13	13	14	11	9	8	7	7	7	7	6	5	4	6	6	6	8	4	10
23	3	3	4	4	4	5	6	8	10	14	15	15	14	14	13	10	8	7	8	7	6	6	5	3	8
24	3	3	3	3	3	4	3	3	4	4	5	6	9	8	7	6	4	3	3	3	3	3	4	4	4
25	3	3	4	5	4	3	4	4	5	7	7	8	8	7	5	4	4	2	2	3	4	4	4	6	5
26	5	5	6	5	5	5	4	3	4	5	7	8	6	6	4	5	5	4	1	1	1	1	1	0	4
27	0	1	0	1	1	M	M	M	M	M	1	M	5	3	3	2	2	2	1	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	2	4	5	5	5	4	7	6	3	4	11	11	3	2	2	3
30	0	0	0	1	0	0	0	0	3	5	2	4	7	17	17	18	17	11	8	13	15	18	3	3	7
31	2	1	2	1	1	1	1	2	1	1	2	2	2	2	2	2	3	3	2	1	2	2	1	2	2

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
6	5	7	5	16	19	35	55	0	-	83	0	-	41	2	99	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	90	M	26	33	48	36	43	51	42	44	34	24	18	30	42	52	59	87	73	76	38	19	18	16	43
2	12	10	8	8	8	9	21	40	71	59	35	39	31	29	25	26	26	23	22	25	19	23	15	11	25
3	10	7	6	5	4	6	10	23	26	28	32	35	35	40	45	49	52	69	30	18	25	20	12	16	25
4	16	9	7	8	3	2	4	7	10	16	21	27	27	48	39	42	43	28	13	9	7	11	12	7	17
5	6	2	1	1	1	3	2	11	43	48	48	43	48	46	68	37	88	87	34	36	26	20	31	12	31
6	3	2	1	0	0	0	0	6	14	50	72	62	58	40	37	44	48	67	78	73	74	37	32	49	35
7	26	34	93	86	22	8	11	22	45	58	62	65	68	72	72	83	87	81	86	96	86	58	66	57	60
8	57	44	31	19	14	16	21	44	60	54	38	30	26	20	31	45	57	76	85	72	50	43	35	25	41
9	15	9	5	5	4	11	18	35	52	49	47	29	24	17	13	24	27	52	74	84	74	21	30	42	32
10	41	32	19	14	17	14	16	25	40	38	35	33	28	32	38	33	48	56	42	25	29	20	16	18	30
11	13	10	8	6	8	11	15	34	39	44	49	39	31	28	24	42	50	62	84	72	51	44	30	16	34
12	11	9	8	9	11	20	36	48	37	37	42	51	38	58	48	42	48	53	58	44	34	33	18	16	34
13	12	6	6	1	3	3	9	22	44	72	46	53	49	56	66	64	65	61	50	48	28	43	38	14	36
14	31	17	7	3	5	3	11	34	39	44	51	57	48	45	59	56	53	61	76	44	28	37	43	26	37
15	17	M	52	27	8	2	11	23	48	57	25	25	25	30	44	56	75	114	101	135	88	96	27	22	48
16	17	14	9	6	9	11	20	45	66	72	75	57	59	69	63	64	77	90	110	161	151	115	87	53	63
17	46	43	17	13	10	13	19	32	43	48	36	17	11	15	29	27	32	25	24	23	28	20	9	12	25
18	12	13	9	5	6	7	9	11	15	20	23	28	32	34	44	38	49	63	69	45	53	69	48	28	30
19	29	23	13	9	10	9	19	48	87	88	85	47	23	28	32	27	15	16	14	17	16	11	7	23	29
20	15	11	6	5	5	5	9	22	49	57	50	47	21	35	55	68	80	92	78	61	14	45	13	16	36
21	13	11	11	4	9	26	40	43	62	79	138	166	133	150	156	166	178	202	189	172	167	74	102	86	99
22	135	49	25	19	10	8	16	38	69	63	34	13	12	12	21	25	23	15	13	5	23	6	9	8	27
23	10	6	10	11	6	7	5	12	13	19	37	20	29	48	67	51	38	46	23	11	9	11	11	11	21
24	9	8	4	4	4	5	5	9	22	28	30	23	20	34	43	37	29	21	14	12	13	9	7	12	17
25	9	7	6	7	6	6	9	8	14	21	24	28	17	33	43	36	29	14	25	22	24	19	13	15	18
26	13	11	5	5	3	5	5	11	33	46	37	40	26	37	48	54	68	90	89	54	23	18	19	12	31
27	6	6	8	6	6	M	M	M	M	M	16	M	0	0	4	6	1	2	0	0	0	0	0	0	3
28	0	0	0	0	0	0	0	0	2	0	4	7	0	0	5	9	6	4	5	2	0	0	0	1	2
29	2	M	0	0	0	0	1	1	26	27	22	15	25	37	36	27	47	84	109	120	106	27	29	23	33
30	24	2	3	0	0	0	3	15	43	71	65	62	63	66	69	63	63	60	90	114	128	125	39	24	50
31	9	0	0	0	0	0	0	11	18	16	21	16	25	29	39	43	45	50	50	42	15	19	14	5	19

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
24	25	33	25	72	88	130	159	0	-	202	2	-	99	3	99	0	

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: JANUARY

YEAR : 2015

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	9	11	13	11	9	8	10	11	10	11	10	8	8	8	8	11	13	12	12	10	10	10	11	10
2	11	10	9	10	11	10	11	14	14	14	15	15	16	16	15	12	9	9	9	8	8	8	7	6	11
3	6	6	6	6	5	7	8	9	8	11	10	9	9	9	7	7	5	6	6	5	11	7	5	6	7
4	5	4	4	4	2	3	3	4	6	6	7	6	6	6	7	10	10	10	5	6	7	7	4	2	6
5	1	1	1	2	2	2	2	1	3	2	2	2	3	4	4	3	4	3	3	3	9	14	10	7	4
6	7	3	2	1	0	2	2	2	3	2	3	3	1	32	32	66	40	51	39	35	26	21	15	11	17
7	9	12	8	5	3	0	0	0	1	2	5	4	6	8	8	8	8	8	9	7	8	7	6	6	
8	7	6	8	7	6	6	6	6	5	5	3	5	0	0	0	0	0	0	0	1	2	2	1	3	
9	1	2	0	1	1	1	3	3	2	3	4	6	9	7	8	M	M	11	12	13	12	8	5	7	5
10	7	10	8	9	12	14	16	15	16	19	15	8	8	9	8	7	8	9	9	9	5	3	3	4	10
11	5	7	8	10	12	10	11	13	15	15	16	15	13	12	10	10	10	17	11	13	12	12	10	9	12
12	10	11	12	12	13	14	12	9	7	8	10	10	8	6	5	3	3	2	2	1	1	0	0	0	7
13	0	0	0	0	0	0	0	0	4	1	2	2	4	5	4	1	1	2	5	4	5	4	2	1	2
14	0	1	1	1	2	2	2	3	2	1	2	5	21	44	19	18	15	2	2	5	6	4	2	2	7
15	2	2	2	1	2	2	3	6	5	5	4	3	2	1	2	2	2	4	11	8	3	4	3	3	3
16	4	3	4	3	5	4	4	6	6	5	4	7	6	5	6	7	7	12	12	15	11	10	8	7	
17	7	6	7	6	7	8	8	9	8	8	8	7	8	7	7	6	6	6	5	5	5	6	6	7	7
18	9	7	6	6	7	8	8	10	11	10	11	11	10	10	10	11	16	17	24	39	28	18	16	18	13
19	18	18	16	15	15	15	15	16	14	17	13	14	10	6	9	9	10	9	6	5	6	5	5	6	11
20	7	7	5	5	5	5	7	9	9	10	10	8	11	10	10	M	12	13	10	11	10	10	9	10	9
21	10	12	12	12	11	11	12	24	48	23	38	54	64	69	74	89	92	71	60	71	64	41	35	18	42
22	16	13	13	12	11	10	8	9	8	8	6	5	4	4	5	5	5	5	5	5	7	9	5	4	8
23	4	6	6	6	6	6	8	10	10	11	12	13	14	12	12	13	12	9	10	7	8	9	9	6	9
24	8	7	8	7	7	7	6	8	8	8	8	11	12	11	11	10	9	9	8	9	8	8	7	8	8
25	8	9	10	10	8	9	9	10	11	10	10	8	7	7	7	7	7	5	7	10	11	8	11	10	9
26	10	16	21	15	11	11	10	10	7	6	4	6	8	8	7	6	5	4	4	2	3	3	1	1	7
27	4	6	3	3	3	8	10	8	6	4	4	6	3	2	1	0	0	2	1	1	2	0	0	2	3
28	1	0	1	0	1	0	0	0	1	1	0	2	1	1	1	2	1	1	1	1	1	1	0	1	1
29	1	0	1	2	2	2	2	4	5	8	8	8	6	4	2	2	3	3	2	3	4	3	3	2	3
30	2	2	3	4	4	5	6	4	6	5	5	5	4	3	5	8	5	5	38	44	14	9	6	2	8
31	2	2	3	3	4	5	5	4	4	4	4	4	4	4	4	4	5	6	9	6	6	4	4	4	4

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
6	7	8	7	14	18	42	64	0	-	92	1	-	42	2	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: JANUARY

YEAR : 2015

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	13	15	13	12	11	9	12	13	13	13	15	12	14	15	13	17	13	14	17	14	15	17	14	14
2	14	11	10	10	12	13	14	23	28	22	18	15	19	17	19	16	17	17	13	11	12	12	12	10	15
3	10	8	8	8	7	8	9	14	12	15	12	12	12	13	12	14	16	13	9	9	17	13	12	13	12
4	13	12	13	13	9	9	11	10	10	11	12	11	14	13	13	17	18	20	18	18	18	17	14	12	14
5	8	7	7	8	8	8	9	8	13	12	12	12	10	11	11	16	11	10	13	14	16	19	20	17	12
6	18	14	13	12	8	14	23	33	33	19	17	14	8	24	35	49	42	75	82	80	75	67	66	62	37
7	61	59	60	48	16	10	10	16	24	22	24	35	39	37	44	54	59	58	40	27	19	23	16	20	34
8	35	28	20	13	11	10	12	15	15	14	15	16	M	15	16	16	19	19	12	11	13	17	19	15	16
9	12	11	10	10	10	12	20	18	19	17	16	13	18	15	14	M	M	20	11	15	15	11	8	10	14
10	12	15	11	15	15	18	25	27	19	16	16	10	13	13	12	14	19	15	17	15	12	11	9	12	15
11	9	10	9	10	10	12	16	21	19	20	23	18	19	16	13	15	24	30	21	21	24	20	17	15	17
12	14	13	13	14	15	15	17	21	20	18	19	22	49	35	32	49	32	17	15	15	16	13	7	8	20
13	6	6	6	7	5	11	12	31	59	48	69	71	71	72	74	52	46	44	31	35	37	32	17	22	36
14	14	M	9	8	7	7	12	14	11	23	27	35	46	59	53	61	66	45	50	48	26	22	19	11	29
15	12	19	20	6	4	5	6	9	10	11	12	11	13	10	11	11	14	34	61	48	12	15	14	13	16
16	12	10	10	10	12	13	22	33	34	24	12	20	18	16	19	20	25	44	43	66	61	52	54	25	27
17	20	12	8	7	6	7	9	12	15	15	15	10	13	13	13	11	13	20	14	15	12	13	12	11	12
18	13	11	11	11	12	11	11	14	14	15	16	17	19	20	20	20	30	44	39	51	36	18	15	14	20
19	13	12	10	8	8	9	11	13	16	52	31	16	16	11	13	17	21	17	14	14	14	12	13	14	16
20	13	14	11	9	9	9	11	15	17	17	19	14	13	14	18	M	20	29	17	19	19	17	18	17	16
21	15	15	14	10	11	13	21	39	83	69	58	73	90	101	98	115	138	149	151	153	159	78	54	34	73
22	56	26	13	10	8	7	8	13	14	14	14	8	8	8	10	10	13	10	9	6	11	14	10	14	13
23	18	16	14	13	12	12	13	17	24	20	19	19	16	19	17	18	22	20	17	15	20	18	16	13	17
24	15	13	14	12	11	10	10	11	12	12	13	13	13	14	15	18	20	19	16	15	13	13	12	15	14
25	14	13	14	14	12	13	12	12	17	16	16	15	14	13	14	15	14	11	11	13	15	14	16	14	14
26	12	15	16	12	13	12	11	15	13	13	11	11	12	13	14	15	17	15	9	9	12	14	10	12	13
27	9	10	8	9	10	9	12	14	12	11	12	13	12	12	10	11	12	13	11	10	11	9	8	10	11
28	7	M	7	6	8	5	7	10	11	10	8	8	8	8	9	10	8	9	8	8	8	7	6	7	8
29	8	7	6	7	8	8	6	10	14	13	12	13	11	12	11	15	20	24	28	22	13	12	10	10	13
30	12	11	12	9	8	9	11	19	24	27	29	29	32	23	25	29	22	31	72	103	44	21	20	13	26
31	11	8	8	9	11	14	14	16	19	20	20	17	19	20	24	22	22	24	29	23	19	16	13	12	17

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
16	14	20	14	35	59	75	100	4	-	159	8	-	73	2	99	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	3	2	2	2	2	4	6	3	3	2	2	2	1	1	1	2	2
2	1	1	1	1	1	1	1	1	3	3	3	3	4	4	4	3	2	2	2	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	2	2	1	1	2	1	3	2	1	1	1	1	1	2	1	1	1
4	1	1	1	1	2	4	4	5	4	3	7	7	8	6	5	3	3	2	1	1	1	1	1	0	3
5	0	0	0	0	0	1	1	0	0	1	1	3	7	8	10	9	9	10	7	8	9	8	8	8	5
6	10	10	8	7	4	6	5	5	8	31	21	13	10	9	9	9	17	6	4	5	6	5	5	6	9
7	5	5	6	5	5	4	3	2	2	3	4	4	4	7	14	8	5	4	3	4	4	3	3	3	5
8	3	3	3	3	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	2
9	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
10	2	2	2	2	2	2	2	3	3	4	4	4	3	2	3	2	2	2	2	2	1	1	1	1	2
11	1	1	2	2	2	2	2	2	2	3	4	3	3	2	2	2	2	6	9	3	3	3	3	2	3
12	2	2	2	2	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	2
13	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1
14	1	1	1	1	1	1	1	1	2	2	2	3	6	4	2	4	2	2	2	3	2	1	1	1	2
15	0	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	4	4	4	5	3	3	2	1	2
16	1	1	1	1	1	1	2	3	6	11	9	18	9	12	6	4	9	5	5	4	5	13	12	9	6
17	7	5	3	3	2	2	2	2	2	2	3	2	2	2	2	1	1	1	1	1	1	1	1	1	2
18	1	1	1	1	1	2	2	2	2	2	2	2	8	6	10	6	5	7	5	7	8	13	6	5	4
19	4	4	4	4	3	3	3	4	5	5	5	4	3	2	2	2	2	2	2	1	1	1	2	2	3
20	2	2	2	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	9	2
21	6	4	5	4	3	3	4	6	8	8	12	19	29	22	14	16	18	15	14	13	11	13	13	13	11
22	8	5	4	3	3	3	3	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2
23	6	6	5	2	2	2	2	2	3	3	3	3	3	2	2	3	3	2	2	2	2	1	2	1	3
24	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	1	0
25	1	1	1	1	1	1	1	1	2	3	4	12	9	11	8	8	10	4	4	2	2	3	3	4	4
26	6	4	3	2	3	4	4	9	8	8	8	9	8	3	2	2	2	6	2	2	2	4	3	3	4
27	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	1	1	0	1	1	2	3	4	5	3	1	2	3	3	2	4	4	3	3	6	2
30	7	4	2	2	1	1	1	1	1	2	2	2	7	9	8	8	6	10	8	5	4	6	3	2	4
31	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
2	2	3	2	7	9	13	17	0	-	31	0	-	11	2	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	23	22	18	19	15	15	20	24	18	18	18	18	21	26	25	25	27	34	33	25	22	20	18	22
2	16	15	13	12	12	12	18	24	25	27	26	26	26	21	25	27	25	25	25	22	20	19	18	17	21
3	16	15	13	12	12	12	14	18	17	20	21	21	21	23	24	23	27	31	34	32	32	27	23	24	21
4	22	17	15	16	20	27	28	28	23	20	25	27	30	29	28	25	25	23	21	18	16	16	17	16	22
5	14	13	12	12	12	14	15	18	20	21	23	30	32	33	34	37	40	41	43	41	41	41	42	42	28
6	42	41	33	35	29	31	28	30	30	33	31	31	29	27	27	28	37	32	30	35	36	34	34	31	32
7	26	23	22	23	23	21	16	19	22	26	26	26	26	31	34	34	36	33	36	33	32	26	27	26	27
8	26	23	18	13	12	12	15	19	21	23	22	22	21	21	25	27	32	33	33	30	23	22	24	22	22
9	17	13	12	12	11	12	14	18	21	25	24	23	21	20	21	23	24	26	36	39	43	47	30	36	24
10	33	24	21	18	15	15	18	21	22	26	27	26	25	24	22	25	28	33	32	24	22	19	18	18	23
11	16	15	14	12	12	12	14	17	18	25	27	22	24	21	20	19	19	37	44	33	25	23	23	20	21
12	17	16	15	13	14	17	18	23	21	22	24	24	27	26	28	26	26	29	30	28	25	22	19	18	22
13	15	13	12	11	11	14	17	19	22	28	26	27	27	29	30	32	31	31	31	29	24	25	23	20	23
14	19	M	13	12	10	9	14	21	22	26	29	31	34	35	37	43	40	40	46	45	29	25	25	22	27
15	20	16	17	19	18	19	20	20	19	26	22	21	20	23	28	27	35	41	52	52	52	50	40	25	28
16	21	17	15	14	12	14	28	31	31	37	37	46	48	48	42	38	43	39	61	65	66	62	56	51	38
17	43	31	21	18	16	15	21	22	23	25	26	23	20	20	24	25	25	26	26	23	22	20	18	19	23
18	17	16	15	14	14	14	15	16	16	18	20	21	30	30	35	28	28	32	41	45	48	49	28	29	26
19	23	20	16	13	12	12	18	27	35	33	34	35	28	24	23	25	26	24	23	22	20	19	19	19	23
20	18	16	16	13	13	13	17	21	26	27	26	25	22	23	23	23	27	31	45	49	34	36	33	49	26
21	36	29	31	23	18	17	28	37	48	59	60	63	78	75	71	72	76	91	103	96	83	74	66	65	58
22	52	35	27	23	19	18	19	25	27	28	24	21	19	19	20	22	24	25	35	29	27	21	19	25	25
23	40	35	27	17	14	14	17	26	31	27	28	28	24	27	32	41	27	26	22	17	13	13	13	11	24
24	9	7	6	6	6	6	8	9	10	12	12	11	11	14	12	10	10	10	10	9	9	8	7	8	9
25	6	7	6	5	8	9	12	12	14	20	22	30	30	34	34	34	40	33	33	33	23	29	23	28	22
26	32	22	26	16	23	22	25	30	27	28	31	28	31	19	13	12	15	24	26	37	35	35	29	29	26
27	13	11	9	6	6	7	12	13	13	13	12	12	13	12	13	14	14	15	16	12	11	9	9	10	11
28	7	M	5	4	5	4	6	8	9	10	10	12	10	9	9	11	11	10	11	9	8	7	8	9	8
29	9	7	6	5	5	6	16	20	22	20	21	23	23	15	12	13	17	22	23	33	32	34	33	35	19
30	35	27	16	13	11	10	13	18	21	26	27	28	31	34	38	40	34	42	47	48	46	48	30	25	30
31	18	12	10	10	8	8	9	12	13	13	15	13	16	19	22	23	27	28	30	29	21	19	18	14	17

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
21	23	24	23	37	46	62	73	4	-	103	8	-	58	2	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	27	27	26	27	26	24	27	25	28	26	28	24	24	28	41	38	30	39	35	28	26	27	27	26	29	
2	25	24	26	26	24	24	26	27	33	30	30	32	34	31	33	32	30	26	26	24	25	24	25	23	28	
3	25	25	24	23	22	23	25	26	25	25	26	24	26	24	38	28	28	27	24	36	38	38	31	26	27	
4	27	28	32	29	23	27	60	90	65	76	53	56	65	60	56	41	38	34	30	30	25	26	36	30	43	
5	28	24	25	24	24	27	26	26	32	18	9	16	23	19	19	20	24	28	5	7	11	12	14	17	20	
6	18	25	24	14	7	12	15	13	17	M	M	35	28	32	17	20	38	9	6	13	21	29	22	27	20	
7	31	79	55	36	20	16	5	2	2	5	10	11	9	10	34	10	13	7	8	8	8	8	10	17		
8	10	8	7	7	7	8	8	7	20	11	5	4	4	4	4	9	14	9	5	5	5	5	6	7	7	
9	6	7	7	7	7	7	8	10	13	9	11	11	11	10	9	11	12	11	13	19	21	18	11	11	11	
10	9	8	9	11	9	11	11	16	14	16	14	12	10	10	9	7	5	7	8	9	8	5	4	6	10	
11	6	7	7	9	9	9	10	11	11	17	16	13	11	9	8	7	8	15	26	20	10	11	10	9	11	
12	8	10	9	11	13	14	10	8	7	7	7	9	8	4	3	3	1	0	1	1	1	0	0	1	6	
13	0	0	0	0	0	2	1	1	4	8	4	4	6	8	7	7	6	6	7	5	5	4	4	4	4	
14	2	1	1	2	1	2	2	3	7	6	4	7	27	16	21	16	8	6	7	8	6	4	4	2	7	
15	1	4	3	1	1	2	2	3	6	6	3	3	5	2	20	22	24	15	21	27	18	20	7	5	9	
16	4	3	4	3	2	3	11	22	21	36	33	61	29	37	25	14	37	25	24	24	30	31	16	11	21	
17	24	8	7	8	8	8	7	7	7	7	19	6	7	7	8	7	6	6	6	5	5	6	4	6	8	
18	6	7	6	4	6	7	7	6	9	9	10	9	26	12	27	22	23	25	31	36	43	61	19	17	18	
19	16	17	16	15	14	14	14	18	18	19	21	22	10	7	5	6	8	8	7	6	5	5	4	5	12	
20	8	7	6	5	5	6	6	13	11	10	9	7	11	9	9	9	10	12	10	14	11	10	17	90	13	
21	51	19	14	20	26	12	27	26	49	42	45	69	85	73	45	D	69	76	70	68	65	60	38	33	47	
22	32	13	12	11	10	10	9	8	7	6	6	5	5	5	5	5	4	4	3	4	7	10	7	4	8	
23	13	14	8	5	5	5	5	7	6	9	11	12	12	9	30	15	9	7	6	6	6	7	6	5	9	
24	4	4	4	4	4	4	4	4	4	5	5	5	6	7	5	4	3	3	3	3	4	4	4	2	4	
25	2	3	3	4	4	10	14	8	8	7	17	49	45	71	35	27	22	16	49	24	25	18	27	24	21	
26	40	50	26	71	52	42	52	44	62	46	60	42	43	22	16	14	9	36	7	6	18	57	46	41	38	
27	32	10	5	6	6	5	12	12	8	5	4	4	5	3	2	1	2	2	3	1	1	1	1	0	5	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
29	1	1	0	0	0	1	11	22	21	7	34	19	24	13	11	16	15	12	12	12	11	11	74	14		
30	36	36	39	16	7	4	5	5	6	7	6	12	24	31	20	27	23	27	24	22	20	20	6	5	18	
31	3	2	2	2	2	3	3	6	4	4	4	4	4	4	10	20	18	4	5	4	5	4	3	4	5	

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
11	10	16	10	34	46	65	72	0	-	90	0	-	47	3	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : POK FU LAM
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	38	50	60	56	48	26	38	58	62	42	41	17	16	24	36	50	38	53	62	28	39	26	27	29	40
2	21	16	13	12	14	14	21	33	53	57	43	40	40	31	39	42	40	37	42	39	36	28	29	20	32
3	20	16	14	11	9	11	14	20	39	36	31	32	32	29	42	33	54	53	67	93	91	85	53	52	39
4	48	M	31	32	22	31	73	79	66	65	53	54	59	46	40	28	40	54	38	27	8	19	55	32	43
5	24	8	7	7	6	9	9	31	55	66	70	76	74	64	64	72	88	99	85	109	109	106	106	104	60
6	104	106	100	81	67	79	80	75	72	M	71	56	44	34	32	38	60	33	40	59	86	85	85	85	68
7	84	87	67	76	70	50	17	20	36	63	61	68	68	70	76	80	88	80	88	76	71	69	65	74	67
8	72	57	37	28	22	28	34	58	63	55	36	25	24	25	36	39	53	64	79	59	47	35	39	36	44
9	29	20	15	11	11	14	20	32	40	42	40	29	23	24	26	33	43	66	100	121	142	103	57	53	46
10	35	35	30	27	21	25	23	34	31	27	24	27	28	31	35	32	28	34	28	29	32	22	19	18	28
11	13	12	11	10	12	14	17	29	41	67	72	49	31	22	27	24	33	81	91	68	35	32	26	18	35
12	16	13	13	15	28	36	39	58	37	27	38	60	67	63	62	59	55	61	58	49	47	37	26	18	41
13	13	5	5	4	12	27	25	38	58	74	60	62	58	59	63	73	69	66	73	63	46	45	52	35	45
14	30	21	14	15	9	10	26	39	46	48	45	50	53	45	54	69	63	71	91	97	48	37	50	37	45
15	43	54	31	17	23	28	30	34	64	64	33	25	28	34	61	48	78	97	151	166	127	138	91	40	63
16	27	21	14	13	18	21	53	74	78	79	71	85	76	76	52	52	70	72	126	147	159	136	94	49	69
17	82	36	15	15	15	17	24	50	58	59	53	19	14	19	21	27	31	33	42	31	33	28	18	25	32
18	21	M	16	13	12	14	17	22	25	20	23	27	54	32	45	39	45	55	85	114	118	126	51	34	44
19	42	38	23	20	16	17	25	68	104	89	79	73	23	23	26	35	37	29	23	33	33	24	17	30	39
20	22	17	14	11	11	17	20	55	57	57	40	35	38	28	33	35	42	64	88	112	102	85	78	144	50
21	128	70	39	57	58	38	66	120	150	151	137	146	156	150	113	D	157	215	270	258	252	211	167	145	141
22	156	44	24	22	13	13	15	19	22	29	37	26	16	11	18	27	33	39	70	84	89	60	16	22	38
23	72	49	25	14	10	10	12	21	40	40	24	23	29	32	67	56	49	72	53	31	21	20	17	11	33
24	9	9	6	7	6	7	7	10	17	22	23	20	18	30	26	21	19	17	13	10	15	13	10	9	14
25	7	8	6	7	11	20	26	22	23	28	46	67	65	82	74	72	70	59	99	86	104	85	81	102	52
26	100	101	69	88	78	74	73	76	80	65	73	52	56	39	31	32	35	67	58	88	97	106	99	93	72
27	77	25	11	8	7	5	11	20	36	35	26	22	29	26	30	35	40	34	35	26	18	17	15	15	25
28	14	9	8	7	7	6	9	18	25	20	20	23	16	12	19	23	24	26	31	24	21	15	18	15	17
29	13	9	7	7	6	12	58	67	64	48	56	43	48	33	26	32	41	60	65	96	102	100	102	103	50
30	98	96	92	52	20	10	20	41	70	77	78	79	74	72	70	78	72	90	121	130	149	125	54	22	75
31	20	16	11	11	11	13	17	25	31	38	39	40	34	40	49	60	67	55	69	38	22	22	20	19	32

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
36	37	48	37	91	109	149	158	4	-	270	14	-	141	2	99	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	27	16	16	31	37	28	36	22	12	5	0	0	3	2	0	1	21	20	19	3	2	0	1	13
2	0	0	0	0	0	0	0	15	18	8	3	1	0	0	0	0	0	2	7	1	1	0	0	0	2
3	0	0	0	0	0	0	0	10	6	5	4	1	4	0	0	0	6	8	7	5	12	1	7	11	4
4	14	6	0	0	0	0	1	9	10	16	27	1	25	4	0	0	0	9	9	2	0	0	0	2	6
5	0	0	0	0	0	0	0	8	8	8	8	8	8	4	14	50	24	47	58	66	49	51	59	48	22
6	47	68	69	61	22	53	62	61	40	30	29	31	8	14	31	44	22	44	56	68	63	63	62	67	46
7	52	53	50	53	52	11	1	13	11	31	47	52	54	51	59	63	80	83	87	79	74	53	36	50	50
8	46	36	24	12	6	10	20	36	41	34	7	5	3	0	0	0	0	2	5	5	2	7	20	18	14
9	4	6	0	0	0	0	7	21	21	16	6	5	1	1	2	0	2	0	10	36	59	18	31	32	12
10	23	20	12	4	4	4	10	12	20	16	10	4	3	2	0	2	12	10	6	2	1	0	1	1	7
11	1	0	0	0	0	1	5	16	22	27	25	11	3	2	1	2	13	38	28	19	11	15	5	1	10
12	0	0	0	0	1	1	7	13	19	13	13	34	36	44	45	39	44	38	30	20	15	13	4	4	18
13	2	0	0	0	5	17	15	28	35	56	44	42	41	46	55	60	52	52	45	46	25	29	28	15	31
14	17	M	0	0	0	0	7	16	19	22	32	41	41	32	36	55	62	47	61	36	20	27	23	20	27
15	11	7	12	13	7	10	19	22	16	14	1	1	1	1	0	1	38	74	104	127	64	50	28	13	26
16	15	8	0	1	0	4	19	53	53	53	41	51	36	33	49	23	40	47	66	103	138	149	122	57	48
17	33	29	10	6	0	3	10	21	28	27	4	0	0	0	0	4	3	3	1	1	8	6	0	2	8
18	0	0	0	0	0	0	0	1	1	2	0	0	20	7	10	10	39	38	27	82	100	65	35	17	19
19	20	9	3	1	0	2	15	37	48	74	55	11	1	0	0	0	0	0	4	6	14	6	10	13	
20	2	0	0	0	0	0	1	9	9	13	11	6	1	0	0	0	1	4	26	35	20	37	40	41	11
21	55	75	32	16	15	21	28	68	109	101	115	133	132	104	99	93	118	131	178	203	219	232	216	200	112
22	158	51	13	8	2	0	10	30	39	15	1	0	0	0	0	0	0	0	18	20	20	4	21	29	18
23	30	21	4	2	0	0	12	34	26	4	0	0	1	0	1	2	7	18	11	0	0	1	2	2	7
24	0	0	0	0	0	0	0	1	6	4	6	9	4	10	14	16	15	11	10	5	4	2	0	6	5
25	4	0	0	0	0	0	2	5	4	7	12	11	4	10	11	8	13	8	13	16	15	12	9	20	8
26	13	2	1	0	9	3	31	48	15	3	1	0	0	0	0	0	1	6	52	54	29	32	16	7	13
27	0	0	0	0	0	1	10	4	4	1	3	1	2	0	1	7	4	4	0	0	0	0	0	1	2
28	0	M	0	0	0	0	0	0	1	0	3	1	0	0	0	0	0	0	1	0	0	0	0	3	0
29	0	0	0	0	0	1	11	28	20	8	3	1	0	0	0	0	0	10	16	34	53	90	86	46	17
30	54	32	2	0	0	0	4	21	37	23	14	26	14	25	58	38	22	58	44	52	67	72	28	18	30
31	1	0	0	0	0	1	3	10	16	19	15	10	8	8	10	16	15	27	37	11	12	14	8	1	10

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----									-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
13	8	20	8	53	68	116	144	0	-	232	0	-	112	4	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	10	11	14	17	10	8	8	2	8	9	9	8	10	6	8	7	7	8	8	9	11	7	9
2	6	6	5	4	5	4	6	7	10	5	4	10	12	10	9	8	5	0	3	5	4	4	4	3	6
3	5	5	6	4	4	4	5	4	4	0	1	4	6	4	4	3	2	1	0	0	2	3	2	3	3
4	3	3	1	1	1	1	2	0	3	7	16	6	19	7	2	5	4	2	0	0	1	1	0	4	4
5	3	2	2	3	1	2	2	2	4	4	7	4	5	5	8	30	5	10	4	3	3	6	18	9	6
6	7	25	29	27	8	29	38	24	23	36	58	39	20	36	44	71	19	35	31	63	73	100	76	37	40
7	46	48	33	22	11	5	2	1	1	2	6	44	36	25	39	34	30	21	19	12	14	11	6	18	20
8	13	7	7	10	10	14	18	16	16	3	9	11	9	8	9	10	7	6	3	8	8	15	11	6	10
9	7	7	7	6	6	6	8	10	10	8	7	9	11	12	10	14	12	10	9	11	12	9	8	6	9
10	7	8	9	10	12	13	11	13	11	14	11	12	11	11	9	6	6	5	3	7	5	5	2	6	9
11	8	9	8	10	13	9	11	12	12	12	16	16	15	12	13	7	7	9	11	8	9	10	10	9	11
12	9	9	7	7	11	10	9	8	7	9	7	5	5	6	4	1	5	6	3	2	3	1	1	4	6
13	1	1	0	0	2	7	3	6	5	7	2	4	5	4	5	4	3	4	6	8	6	6	6	4	4
14	3	4	2	4	5	4	5	5	5	1	1	9	29	24	19	21	14	5	2	4	5	5	4	1	8
15	1	2	1	0	0	0	1	2	1	0	0	1	0	0	2	1	16	24	17	16	7	5	0	3	4
16	2	3	2	2	2	3	2	22	16	42	32	38	32	22	48	19	33	23	14	12	21	117	121	15	27
17	7	6	7	7	7	6	5	5	0	4	6	5	4	6	6	5	3	1	4	4	4	4	4	5	5
18	6	6	6	5	5	6	5	7	8	4	1	5	18	11	20	13	41	31	18	49	71	28	20	15	17
19	16	18	17	16	15	14	14	16	15	16	15	12	10	5	8	9	8	5	2	4	6	6	5	4	11
20	5	6	6	4	3	4	6	6	4	1	4	6	8	6	7	6	7	6	6	2	3	5	6	6	5
21	11	29	11	11	13	13	13	14	23	34	78	98	100	81	55	47	51	40	40	42	50	43	38	49	41
22	37	13	10	8	9	8	8	7	7	5	7	6	3	4	5	4	2	2	0	0	2	5	5	2	7
23	3	5	5	5	5	5	5	6	6	6	12	13	12	12	11	9	8	6	4	6	5	7	7	3	7
24	4	3	3	4	5	4	4	5	4	3	3	5	7	8	7	4	3	3	3	4	4	3	4	6	4
25	8	5	6	6	6	5	7	9	8	8	8	8	7	8	9	4	5	4	3	3	8	6	5	6	6
26	4	7	6	8	12	5	14	19	5	3	3	6	5	2	1	1	2	1	0	0	0	0	0	1	4
27	2	4	3	4	4	5	10	13	8	5	6	8	8	6	5	5	4	1	1	1	3	3	3	1	5
28	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	2	0
29	3	4	4	4	5	5	4	5	4	5	9	10	8	7	5	3	5	6	2	7	7	8	3	1	5
30	1	0	0	1	2	2	1	0	4	2	2	2	2	16	36	27	9	26	23	29	44	23	8	3	11
31	1	0	0	1	1	3	2	3	2	1	1	0	0	0	0	0	0	2	6	8	7	M	M	M	2

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
6	6	10	6	22	37	50	75	0	-	121	0	-	41	3	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	25	18	20	25	20	24	17	18	16	28	17	12	9	10	6	8	9	9	11	9	7	6	7	14
2	6	6	6	7	6	6	8	8	12	19	13	12	12	13	11	10	9	6	7	11	10	6	6	12	9
3	8	8	7	6	5	6	6	8	11	8	12	11	8	7	7	9	5	5	3	3	4	7	7	4	7
4	3	2	2	2	2	9	13	11	9	9	12	16	14	10	5	7	8	6	7	7	13	11	6	9	8
5	8	6	5	4	5	3	3	4	4	6	5	7	9	10	5	6	4	5	4	3	3	6	9	7	5
6	7	10	8	13	11	9	8	8	12	12	20	16	25	21	26	8	4	6	6	7	9	7	10	12	11
7	9	10	10	11	14	15	11	8	6	15	13	17	13	11	11	10	11	13	10	9	8	7	7	8	11
8	7	7	6	8	8	6	8	8	9	12	14	12	9	7	5	6	5	6	5	6	6	6	8	7	8
9	7	6	8	6	10	7	7	7	9	15	13	12	13	11	9	10	9	11	9	10	12	17	12	7	10
10	7	9	16	16	16	15	14	16	13	13	15	16	14	9	6	5	6	8	9	7	9	5	5	4	11
11	4	5	7	7	7	10	13	16	21	27	13	13	16	13	12	12	11	13	13	14	12	9	9	9	12
12	9	8	8	12	9	7	5	2	5	6	8	6	2	1	1	0	0	0	0	0	0	0	0	0	4
13	1	0	1	0	1	1	0	0	1	1	1	2	2	2	2	2	2	2	1	1	1	2	4	3	1
14	1	2	2	2	2	2	2	2	2	3	3	5	4	4	5	10	15	6	7	5	6	7	4	2	4
15	2	2	1	1	2	2	2	3	6	7	10	7	4	6	8	3	8	6	3	5	5	4	6	5	5
16	4	4	6	6	4	5	4	6	11	20	27	13	17	10	M	6	10	12	11	14	9	11	17	16	11
17	12	9	7	7	6	8	10	12	18	16	12	9	12	14	9	8	7	5	7	5	5	6	4	4	9
18	5	4	4	5	5	5	6	6	9	10	10	11	13	16	16	10	11	12	11	9	11	11	14	16	10
19	15	13	14	12	13	14	15	20	18	14	17	16	D	7	7	7	6	7	7	7	7	7	5	5	11
20	5	6	6	4	4	6	5	7	11	12	11	14	11	8	8	7	8	8	7	7	8	6	6	6	8
21	7	7	10	10	17	17	14	14	27	29	32	31	29	24	26	35	26	20	19	14	15	17	22	19	20
22	15	32	31	12	10	10	10	10	20	24	18	11	6	5	4	4	4	5	5	6	6	7	6	14	11
23	17	17	17	7	18	16	17	16	21	12	11	11	13	9	9	8	9	8	6	8	6	8	9	7	12
24	6	4	3	4	4	4	4	4	6	8	9	11	9	8	10	9	10	6	7	5	7	5	6	6	6
25	6	4	5	6	8	6	6	6	8	10	10	10	11	8	13	5	9	7	9	6	9	8	8	8	8
26	7	7	9	7	10	12	10	12	15	17	12	9	8	6	6	7	7	5	4	2	3	4	4	4	8
27	4	5	4	7	5	4	6	9	8	7	6	8	8	5	4	3	3	2	3	2	1	2	1	2	5
28	2	0	0	1	1	2	1	2	4	3	5	3	1	1	8	4	2	2	2	3	1	1	2	1	2
29	1	0	1	2	4	2	2	3	3	6	7	6	6	4	2	5	14	4	4	5	5	4	4	5	4
30	4	7	6	4	3	4	4	6	8	9	14	13	9	8	11	8	10	12	10	13	13	22	16	9	9
31	7	8	9	3	4	3	4	5	6	7	11	11	9	8	7	8	7	8	10	7	5	4	5	3	7

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
7	7	8	7	16	18	25	28	0	-	35	1	-	20	2	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: JANUARY

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	119	144	82	51	66	54	71	46	49	45	54	47	32	19	14	11	12	18	22	58	31	16	17	17	46
2	13	17	15	12	13	26	41	38	69	69	19	14	12	14	12	14	12	11	14	34	32	17	17	29	24
3	18	14	11	9	8	9	22	36	25	22	26	34	11	14	11	16	11	13	9	10	11	23	33	75	20
4	63	39	40	25	21	56	75	73	51	17	20	30	38	32	11	15	13	13	21	56	114	106	32	83	44
5	70	33	30	23	24	20	17	27	21	30	17	41	66	61	13	22	13	14	17	14	10	16	19	21	27
6	46	86	47	73	71	66	66	78	57	32	33	33	48	31	36	26	19	30	40	64	80	77	72	68	53
7	55	56	56	62	71	73	65	62	51	75	65	60	44	43	44	48	67	95	66	53	43	42	41	49	58
8	37	31	26	26	20	17	28	33	35	48	47	47	48	32	13	14	13	19	18	22	23	23	23	15	27
9	18	20	24	12	24	13	30	15	35	64	50	40	23	18	12	11	13	14	17	24	42	55	35	36	27
10	57	81	132	75	44	51	59	67	30	43	43	42	44	25	11	10	14	25	24	17	29	15	14	15	40
11	14	14	13	13	12	38	55	59	66	70	49	48	52	54	45	43	84	71	52	61	77	29	24	19	44
12	35	16	25	32	31	26	25	31	45	55	46	54	45	38	49	38	35	37	39	33	32	30	26	24	35
13	34	19	24	19	24	24	24	32	47	35	50	48	50	52	44	43	49	46	42	34	34	36	32	48	37
14	41	M	25	18	19	16	20	20	20	26	22	36	38	42	46	55	61	66	70	55	42	43	49	27	37
15	22	14	12	11	16	22	34	33	40	40	47	38	37	43	38	13	22	29	33	43	45	60	61	40	33
16	51	58	72	60	37	59	48	85	64	75	83	58	M	25	M	20	26	33	42	60	87	140	144	117	66
17	61	38	24	15	10	14	30	44	50	51	40	19	18	23	14	17	14	13	18	15	18	23	18	16	25
18	18	12	13	15	25	12	15	16	17	26	38	35	38	23	23	16	21	22	26	23	37	72	62	27	26
19	24	21	18	13	14	16	27	52	52	50	55	48	D	22	16	11	11	11	14	21	25	21	33	36	27
20	17	17	26	15	11	17	17	20	24	43	45	48	25	10	10	9	14	20	21	15	20	34	56	85	26
21	94	79	101	111	124	104	89	100	115	123	115	104	95	95	82	99	88	94	95	93	138	150	135	125	106
22	139	154	120	24	18	18	31	43	60	68	71	52	9	8	5	5	6	12	10	12	24	30	58	46	43
23	85	110	106	44	101	88	83	90	90	21	12	13	15	12	14	12	14	16	12	15	12	19	20	26	43
24	18	13	9	9	12	15	18	14	27	35	30	23	19	14	32	41	34	29	25	18	30	29	25	46	24
25	35	26	29	26	29	18	21	36	57	54	51	58	30	25	57	21	56	34	33	26	42	39	20	29	36
26	44	27	43	42	41	35	59	59	57	41	32	20	15	9	13	25	18	15	14	13	16	70	73	51	35
27	57	39	33	36	19	24	20	17	14	18	14	18	16	13	13	11	12	14	12	8	8	11	9	17	19
28	13	M	11	11	9	18	22	19	23	12	17	14	7	8	21	18	13	14	16	19	13	10	11	11	14
29	11	9	12	10	14	12	10	15	10	13	12	11	10	9	7	14	26	15	22	25	23	33	45	53	18
30	76	81	32	17	14	13	12	30	53	66	61	64	56	46	39	31	31	34	39	45	47	87	61	25	44
31	35	54	33	12	18	15	15	23	31	40	47	43	36	37	40	52	50	60	85	38	28	30	27	15	36

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
29	29	37	29	71	89	115	134	5	-	154	14	-	106	2	99	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	3	4	4	5	6	6	4	4	3	2	2	2	2	2	2	3
2	1	2	2	3	2	1	1	2	2	4	5	6	6	5	5	5	4	4	3	2	1	1	1	1	3
3	1	1	1	1	1	1	1	1	2	4	5	5	M	6	6	6	9	9	8	8	14	17	8	6	5
4	3	2	2	1	1	1	1	1	0	1	1	1	3	4	5	10	14	12	8	6	5	5	4	3	4
5	3	2	2	1	1	2	2	4	12	15	15	11	8	12	10	9	8	5	8	12	11	10	7	7	7
6	6	5	5	5	3	2	3	3	4	4	4	6	7	8	8	5	6	5	5	5	5	6	6	5	5
7	4	4	4	4	5	5	3	2	3	4	6	11	15	15	12	18	16	18	23	20	17	14	15	14	11
8	15	16	13	11	12	15	16	19	23	17	19	30	24	19	16	16	11	11	10	10	6	3	2	4	14
9	4	4	5	5	5	5	6	8	9	11	13	13	17	15	15	13	10	8	6	5	6	5	5	3	8
10	3	3	3	3	3	3	3	4	8	10	9	9	10	10	10	10	7	5	4	3	5	4	5	7	6
11	7	7	8	6	7	7	5	8	13	14	16	25	46	41	32	26	25	39	41	40	40	36	26	21	22
12	19	21	18	18	18	16	17	19	38	35	32	35	16	10	6	5	5	7	7	7	7	8	7	5	16
13	5	5	4	5	5	6	6	8	7	8	8	10	9	9	8	7	7	7	7	6	6	6	6	3	7
14	3	4	5	6	7	7	7	7	8	7	8	7	5	6	6	5	5	4	4	4	2	2	2	2	5
15	1	1	1	1	1	1	1	0	0	1	1	1	1	2	2	3	2	1	2	1	0	1	2	1	1
16	1	0	0	0	6	6	2	1	1	6	13	23	18	13	16	13	13	9	11	10	9	6	6	3	8
17	2	2	3	6	11	7	3	4	3	3	2	1	5	6	5	3	2	1	0	0	1	0	0	1	3
18	0	0	1	1	0	1	0	0	0	0	0	1	1	0	1	2	2	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	2	0	0	1	1	1	1	2	2	1	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	2	1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	3	2	4	1	1	0	1	1	1	0	0	0	1	0	1
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	D	D	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY STATISTICS:

ARITH ----- PERCENTILES ----- RANGE -----											STN GEOM	PERCENT	NO. OF TIMES			
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL			
4	2	5	2	13	18	26	37	0	-	46	0	-	22	3	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	9	12	13	14	11	12	14	20	31	36	36	29	3	24	10	13	12
2	2	0	0	0	0	0	5	21	36	37	39	32	19	14	13	25	16	43	28	18	17	12	8	10	16
3	3	0	0	0	0	0	2	19	34	35	41	27	M	33	41	35	29	46	110	116	115	121	91	41	41
4	18	14	3	0	0	0	1	14	32	39	46	49	54	62	61	70	84	87	89	59	60	57	53	52	42
5	57	32	20	12	13	7	9	27	43	54	62	56	40	42	47	59	60	57	74	69	48	43	30	35	42
6	30	21	17	12	8	10	18	37	40	42	35	40	36	19	32	24	37	47	52	49	51	46	28	9	31
7	7	5	4	1	0	0	0	3	24	38	51	55	58	46	59	89	100	114	133	137	98	83	79	61	52
8	59	32	10	3	0	0	0	11	18	19	19	32	22	21	9	17	5	11	53	46	1	3	7	5	17
9	1	M	0	0	0	0	0	3	10	8	16	13	11	20	35	44	46	45	19	9	6	1	0	0	12
10	0	0	0	0	0	0	0	1	29	12	5	2	1	15	22	43	27	6	19	40	32	16	5	4	12
11	1	5	0	1	0	0	4	7	26	79	73	49	66	67	68	87	104	121	119	136	175	120	48	32	58
12	28	30	22	17	29	19	18	47	75	95	109	91	20	3	1	0	3	4	1	1	1	0	0	2	26
13	2	0	0	0	0	0	0	0	8	20	20	42	29	11	23	19	8	13	13	11	16	8	3	10	11
14	6	1	1	0	0	0	0	5	9	12	22	17	10	22	36	25	14	10	10	7	3	1	1	1	9
15	3	0	0	0	0	0	0	1	4	13	16	26	22	48	57	62	42	20	54	28	25	40	34	7	21
16	7	6	1	3	27	33	19	0	6	60	88	99	90	86	95	79	64	56	109	113	107	44	26	0	51
17	1	14	50	74	99	74	25	42	43	55	41	13	20	21	27	23	25	34	19	0	1	0	0	0	29
18	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	1	2	4	7	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	1	0	0	0	0	0	0	0	1	5	15	17	21	26	22	45	39	53	40	14	12	15	5	14
22	0	0	0	0	0	0	0	0	0	2	30	26	37	3	12	3	2	0	0	3	2	7	47	4	7
23	0	M	0	0	0	0	0	4	27	23	10	14	1	23	11	14	13	6	4	0	7	0	10	0	7
24	0	3	0	0	0	0	0	3	25	14	13	22	7	12	10	17	7	5	1	0	0	0	0	0	6
25	0	0	0	0	0	2	0	0	5	12	11	8	4	1	5	10	9	2	2	1	1	0	0	0	3
26	0	0	0	0	0	0	0	0	21	14	6	3	1	9	2	1	2	3	0	0	1	0	0	0	3
27	0	0	0	0	0	0	0	0	0	0	D	D	6	11	13	22	35	24	9	2	2	2	5	4	6
28	1	0	0	0	0	0	0	3	15	12	16	13	5	18	29	41	54	45	22	14	2	0	0	27	13

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
15	7	19	7	55	82	109	119	0	-	175	0	-	58	4	99	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
 AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION
 POLLUTANT : SULPHUR DIOXIDE

MONTH: FEBRUARY

YEAR : 2015

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	5	5	4	3	4	5	6	6	6	7	6	5	4	4	7	5	7	5	6	6	4	5	5	5	
2	3	3	5	7	6	5	6	6	8	8	7	8	6	5	6	7	8	6	7	5	3	3	2	2	6	
3	2	3	5	2	3	4	3	5	6	5	4	7	8	8	5	2	5	4	3	2	5	8	9	8	5	
4	5	4	4	6	6	4	4	3	5	3	M	M	58	0	0	M	81	20	0	1	4	5	5	5	11	
5	5	6	6	6	6	6	7	10	8	8	8	10	8	8	9	11	8	8	10	11	9	9	9	9	8	
6	9	8	8	7	7	6	7	8	10	10	8	M	11	9	11	13	14	12	13	13	12	16	13	13	10	
7	12	12	12	13	14	13	10	10	9	10	10	10	11	10	9	9	8	8	11	29	21	12	12	16	12	
8	18	24	16	14	14	16	18	18	18	17	16	15	18	35	23	14	14	14	14	13	12	10	8	8	16	
9	9	11	11	10	10	10	10	12	12	12	12	12	12	12	12	12	10	10	9	10	10	8	9	8	11	
10	7	6	7	7	7	7	9	9	8	9	9	10	8	8	7	7	7	6	7	9	8	9	11	11	8	
11	8	8	6	7	6	6	7	7	8	7	9	8	8	24	63	40	27	39	41	42	42	41	40	29	22	
12	24	29	32	32	32	31	23	26	32	71	78	M	16	6	5	5	5	6	7	6	5	7	5	5	21	
13	4	4	5	5	4	4	4	5	4	5	6	5	5	6	5	5	5	5	5	4	6	6	4	5	5	
14	5	5	6	4	6	6	6	6	6	6	7	6	6	5	4	4	4	4	4	6	4	3	4	5	5	
15	3	4	3	3	3	3	3	4	4	4	5	3	12	19	39	41	28	29	58	48	30	29	25	18	17	
16	10	9	7	24	53	40	32	21	17	13	13	12	15	24	50	52	77	56	65	69	58	48	85	54	38	
17	89	82	74	44	27	26	26	14	5	4	1	2	M	1	2	0	0	1	1	2	4	2	1	3	18	
18	3	3	3	3	2	4	1	2	2	2	3	3	2	1	2	3	4	4	4	3	3	3	3	4	3	
19	3	3	3	3	2	2	3	6	2	2	4	3	4	3	2	3	2	1	1	1	0	0	0	0	2	
20	0	0	0	0	0	0	0	1	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	1	0	
21	1	1	1	1	1	1	2	1	1	1	1	3	2	2	3	2	2	2	3	3	3	2	3	0	2	
22	0	1	1	1	0	0	0	0	0	2	0	0	0	0	0	0	1	4	1	4	0	0	0	1	1	
23	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	1	0	1	0	
24	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	
25	0	0	0	0	0	0	0	1	0	0	M	M	M	0	0	M	M	15	18	18	19	19	19	20	7	
26	20	22	21	20	20	20	19	19	20	22	20	21	23	21	0	0	0	0	0	0	0	0	0	0	3	12
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
6	5	9	5	21	32	58	72	0	-	89	0	-	38	3	98	0

NOTES:

1. FLAGS FOR INVALID DATA :
 D: DYNAMIC CALIBRATION
 T: TELEMETRY/DATALOGGR FAULT
 M: MAINTENANCE OR ANALYZER FAULT
 P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: FEBRUARY

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	12	12	11	10	10	11	13	13	17	20	21	16	14	15	20	21	20	15	14	12	15	13	12	15
2	9	9	9	9	9	11	17	23	20	25	20	18	15	15	14	15	15	16	12	14	13	14	12	10	14
3	10	8	8	7	8	11	9	16	13	12	11	10	12	11	12	17	19	29	19	29	47	47	36	22	18
4	17	11	11	9	8	10	10	14	20	17	27	23	29	27	24	30	42	84	62	61	45	34	25	24	28
5	22	37	40	28	22	18	18	33	39	45	47	43	36	33	23	33	24	22	29	24	22	13	13	17	28
6	13	11	10	10	11	8	10	12	19	21	18	M	20	13	17	16	17	16	14	15	19	24	16	13	15
7	12	11	10	11	11	11	11	13	12	13	13	14	17	15	15	22	25	28	39	72	67	58	50	53	25
8	58	43	18	14	10	9	9	10	12	12	17	23	28	51	24	10	14	11	15	14	13	14	12	15	19
9	13	13	12	11	12	12	12	17	17	17	14	16	17	18	19	26	22	29	20	15	15	14	18	10	16
10	9	9	8	7	7	6	14	21	19	16	12	15	13	13	17	18	19	23	16	11	9	12	16	15	14
11	12	M	10	10	8	8	10	16	27	24	20	15	16	36	83	61	85	130	130	137	161	176	177	104	63
12	77	86	79	72	80	72	51	70	80	100	99	M	31	11	8	8	14	20	13	8	9	8	14	44	
13	13	11	11	11	10	8	8	15	15	15	15	13	14	13	11	12	14	9	6	7	10	11	11	11	11
14	10	10	10	6	5	7	8	8	9	9	11	8	7	7	4	7	5	7	5	10	7	10	10	12	8
15	9	10	8	8	8	8	10	12	14	18	22	19	42	73	101	111	101	106	116	116	109	105	106	96	55
16	69	61	49	69	104	88	89	83	71	57	56	45	51	57	70	73	85	91	111	113	116	108	104	99	80
17	108	99	95	81	47	64	67	50	18	24	11	8	M	8	8	6	7	8	9	10	14	7	7	7	33
18	6	5	5	5	5	6	4	5	8	6	8	6	6	6	6	7	9	10	10	6	7	7	6	8	7
19	3	3	3	2	2	2	3	8	3	4	5	2	4	1	2	3	3	4	3	3	2	2	1	3	3
20	2	2	1	3	1	0	0	4	3	4	2	3	3	3	3	4	5	8	4	2	2	2	4	1	3
21	0	2	4	2	3	2	3	3	3	2	5	11	14	10	15	15	11	17	21	20	22	17	18	9	10
22	14	13	11	12	4	7	4	11	15	18	15	13	6	4	4	5	8	18	10	20	7	10	10	7	10
23	4	8	6	2	4	3	6	13	9	5	5	6	2	2	3	4	3	4	7	8	8	8	7	5	6
24	3	6	5	2	3	2	3	5	8	7	6	7	9	8	9	9	4	5	7	4	4	4	7	3	5
25	4	M	4	3	4	4	8	12	10	6	7	7	11	8	10	18	14	12	12	9	12	8	11	10	9
26	8	9	10	8	5	2	2	5	5	9	5	5	5	4	4	5	6	10	11	7	9	6	6	12	7
27	3	3	3	2	1	2	5	4	4	4	3	6	8	5	1	0	0	2	1	0	1	6	3	2	3
28	1	0	0	1	0	0	0	0	0	2	1	1	0	2	2	3	4	4	8	7	9	14	17	18	4

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
11	11	20	11	51	85	108	116	0	-	177	3	-	80	3	99	0	

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	2	5	3	4	3	3	4	6	3	2	2	2	3	5	5	3
4	4	4	3	2	2	2	1	1	1	1	1	2	7	5	6	6	6	4	2	2	2	2	2	2	3
5	2	2	1	1	1	1	1	1	2	2	4	3	3	4	2	2	3	2	2	3	3	3	2	2	2
6	2	2	2	2	1	1	1	2	2	2	2	2	2	2	5	6	6	3	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	3	5	4	5	2	4	5	5	7	6	4	3	3	5	3
8	5	4	3	2	2	2	2	3	4	3	3	2	2	4	11	8	6	6	3	2	2	2	1	1	3
9	1	1	1	1	2	1	1	2	2	2	2	2	3	3	3	3	2	2	2	2	2	1	1	1	2
10	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	1
11	2	1	1	2	2	3	3	2	6	11	4	13	7	8	9	5	6	8	9	8	8	7	7	6	6
12	6	7	6	6	5	4	8	7	7	8	8	11	14	7	1	0	2	3	3	4	4	4	3	3	5
13	4	3	3	2	3	3	3	5	4	5	5	7	10	5	15	15	6	4	4	4	4	7	15	M	6
14	7	4	3	3	4	4	4	4	3	3	4	3	2	3	3	2	2	2	2	2	2	1	2	2	3
15	1	2	1	1	1	1	1	3	22	30	34	44	37	20	18	18	29	29	40	38	46	47	36	35	22
16	19	14	11	12	30	32	36	39	39	36	68	36	26	35	36	33	24	63	47	29	25	35	31	21	32
17	25	16	32	22	23	23	27	23	45	66	35	17	6	4	13	10	2	3	4	3	4	2	2	2	17
18	2	2	1	2	1	2	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	3	3	3	3	3	4	2	2	3	2	2	2	2	2	1	1	1	1	1	0	1	1	2
20	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2	0	1
21	1	0	1	4	6	9	15	21	32	51	35	52	34	14	5	11	16	8	9	9	10	6	6	6	15
22	6	8	9	8	10	11	15	13	18	44	44	49	68	41	52	50	42	10	3	2	4	4	10	5	22
23	7	14	6	3	6	11	10	12	20	24	13	19	9	27	7	6	10	14	7	6	11	4	15	12	11
24	11	22	15	19	18	26	30	27	10	16	19	32	28	26	18	21	20	18	23	4	2	1	1	1	17
25	1	1	1	1	1	9	6	2	2	1	1	1	1	1	2	2	T	T	T	T	T	T	T	T	2
26	T	T	T	T	T	T	T	T	T	T	T	T	T	5	3	2	2	3	2	2	2	2	2	2	2
27	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	25	13	4	6	17	28	33	21	18	7

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----									RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
4	2	7	2	22	35	44	51	0	-	68	0	-	32	3	97	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	10	9	8	7	7	8	9	12	13	13	14	15	14	15	14	14	17	20	20	14	19	21	18	13
2	12	10	8	8	7	8	14	16	19	21	23	22	23	20	19	20	24	24	29	21	21	20	18	20	18
3	15	12	10	9	9	9	11	18	20	19	24	20	19	16	13	16	25	20	17	25	31	32	33	33	19
4	33	28	17	13	14	11	10	15	16	19	22	24	22	29	25	30	35	38	37	30	28	26	27	28	24
5	25	22	17	14	13	11	13	17	21	23	27	23	22	25	27	M	M	34	32	32	26	26	20	17	22
6	16	12	10	7	6	5	10	16	18	18	16	18	18	13	16	22	25	26	27	29	27	31	26	15	18
7	13	10	8	7	6	6	8	10	13	17	22	28	22	19	12	16	26	33	39	42	36	28	29	31	20
8	25	18	12	9	7	6	7	11	13	14	12	13	12	16	28	27	25	26	25	23	12	11	10	10	16
9	8	7	6	7	6	6	7	11	11	12	12	14	13	15	15	14	18	21	19	17	14	12	10	9	12
10	6	5	3	3	2	3	6	10	10	12	9	9	9	10	12	14	17	20	18	26	32	26	26	22	13
11	15	M	8	9	9	11	16	30	29	24	17	27	24	27	30	29	43	50	55	60	64	64	59	51	33
12	46	37	29	31	29	30	38	39	38	39	42	41	47	33	18	15	10	17	15	13	24	19	16	14	28
13	4	1	0	0	1	4	12	24	27	22	16	31	24	11	30	41	30	21	25	27	51	48	70	M	23
14	20	10	1	0	0	0	3	5	7	9	8	9	5	9	13	9	8	6	6	5	3	2	3	2	6
15	0	0	0	0	0	0	3	17	74	77	69	78	81	86	88	88	90	92	95	90	85	85	80	72	56
16	60	61	47	38	54	57	65	69	66	58	72	59	58	58	62	58	58	86	91	76	75	73	66	67	64
17	61	49	54	47	51	48	49	50	57	59	44	30	20	23	37	M	15	26	53	30	33	4	1	1	37
18	0	0	0	0	0	0	0	3	4	4	1	3	5	7	11	7	8	10	16	7	2	1	0	1	4
19	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	13	3	1
21	2	0	0	11	14	19	37	45	51	55	47	54	39	23	15	38	41	37	66	60	68	62	60	53	37
22	52	50	46	40	39	37	41	32	45	42	44	48	52	44	50	49	42	17	5	10	40	22	49	39	39
23	33	48	19	13	25	28	25	34	45	41	25	31	18	43	14	24	35	50	44	29	40	12	48	34	32
24	30	42	33	32	31	37	41	42	24	29	28	37	37	37	36	44	47	53	56	5	1	0	0	1	30
25	0	M	0	0	0	22	18	3	8	4	5	5	4	4	10	10	14	T	T	T	T	T	T	T	
26	T	T	T	T	T	T	T	T	T	T	T	T	T	3	4	7	7	8	13	11	8	3	3	9	
27	2	5	0	0	0	0	1	1	3	4	4	1	0	1	1	4	3	3	1	0	0	0	0	0	1
28	0	0	0	0	0	0	0	1	4	4	3	3	0	5	17	39	28	33	39	67	69	63	57	52	20

MONTHLY STATISTICS:

GEOM	ARITH ----- PERCENTILES -----										RANGE -----		STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
17	16	22	16	52	64	78	87	0	-	95	0	-	64	3	96	0	

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	5	4	3	4	4	5	5	6	6	6	5	5	5	9	8	6	6	5	6	5	3	2	5
2	3	2	4	4	5	6	3	4	5	5	6	5	8	6	8	6	4	3	4	3	5	10	18	15	6
3	17	12	7	5	12	9	8	8	7	9	34	25	19	16	16	18	31	11	14	15	10	9	14	18	14
4	97	75	37	18	14	7	4	5	4	3	3	5	10	29	22	28	37	30	11	7	5	4	3	3	19
5	2	4	4	1	2	4	4	6	8	7	9	8	8	9	4	8	8	5	7	9	10	19	7	7	7
6	6	6	7	6	3	3	4	8	7	6	5	6	7	8	16	22	21	19	7	8	7	6	6	8	8
7	7	9	8	8	8	8	6	8	15	8	9	12	21	22	8	9	23	28	33	23	16	11	14	25	14
8	22	18	11	8	10	12	14	13	15	15	13	12	12	16	18	30	26	41	19	15	11	8	7	7	16
9	8	9	9	9	9	9	9	10	11	11	12	12	12	11	10	14	12	9	9	9	9	8	8	7	10
10	7	5	5	5	5	5	6	7	8	8	8	9	8	7	7	7	7	6	5	4	5	7	9	7	7
11	19	15	21	26	20	9	14	6	26	60	19	39	64	42	31	25	43	44	48	47	42	37	33	32	32
12	31	32	28	32	27	28	41	27	26	33	28	46	37	31	28	3	3	3	6	6	7	6	5	5	22
13	4	4	3	3	4	4	4	6	5	5	6	8	12	8	31	18	5	5	6	6	29	40	61	7	12
14	5	6	4	4	4	5	6	5	5	5	5	4	4	3	4	3	3	2	2	3	2	2	2	3	4
15	2	2	2	2	1	4	19	37	42	54	57	43	34	10	10	19	33	35	32	33	38	90	70	30	29
16	25	23	16	37	123	73	68	104	76	37	77	44	36	43	40	29	26	56	46	52	25	43	58	30	49
17	26	45	71	51	36	31	34	25	42	85	69	11	11	5	25	23	4	8	18	16	22	11	22	15	29
18	4	2	2	2	2	3	2	2	2	2	2	2	2	1	2	1	2	2	2	2	2	3	3	3	2
19	3	3	3	4	3	3	4	5	2	2	3	3	2	2	3	4	3	2	1	0	1	1	1	0	2
20	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	2	3	2	0
21	5	6	8	8	7	13	29	24	39	69	44	80	58	29	5	13	22	8	4	8	6	5	5	7	21
22	8	8	11	12	11	9	9	7	11	58	52	55	67	72	69	78	63	14	5	4	10	4	12	5	27
23	4	4	2	1	3	13	8	16	35	35	16	11	26	29	16	37	25	16	15	23	18	24	22	22	18
24	12	19	10	14	12	22	35	25	26	39	25	34	37	22	24	36	26	20	34	28	15	3	2	0	22
25	0	0	0	0	0	16	15	9	1	0	0	0	0	0	0	1	0	1	3	14	27	16	10	5	
26	8	4	5	10	9	6	4	37	65	71	69	48	57	16	1	1	0	1	0	0	0	0	0	2	17
27	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
28	1	0	0	1	1	0	1	0	1	0	0	1	1	3	11	32	21	4	2	6	5	10	7	3	5

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL		
9	8	14	8	37	53	71	77	0	-	123	0	-	49	3	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : POK FU LAM
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	M	12	11	11	11	12	15	22	19	20	23	23	24	30	30	34	38	47	44	29	33	38	29	25
2	20	10	8	8	10	16	16	30	40	44	46	34	32	33	34	32	33	46	70	69	62	55	56	52	36
3	54	36	19	11	22	18	28	48	49	45	59	46	37	27	27	33	59	45	49	61	95	101	99	93	48
4	100	102	84	56	39	13	15	26	36	55	44	59	64	75	69	76	93	109	113	82	74	71	68	69	66
5	52	50	37	23	22	26	32	50	61	63	69	62	49	45	45	50	57	76	84	90	69	68	49	50	53
6	53	39	34	30	29	26	36	64	52	55	51	48	52	36	46	63	66	72	79	75	89	79	63	35	53
7	27	28	16	13	14	13	16	31	50	55	56	58	57	47	27	41	86	110	128	137	96	72	73	80	55
8	66	42	26	19	17	14	17	36	34	34	28	31	30	33	39	47	45	81	71	38	25	26	22	20	35
9	16	13	11	11	10	12	16	32	36	35	31	28	25	30	31	42	47	58	63	43	36	24	20	17	29
10	18	17	11	10	10	11	16	39	40	21	23	23	19	32	32	28	34	41	40	80	115	102	80	75	38
11	67	57	58	56	39	31	46	62	106	87	41	60	66	64	54	76	123	135	147	168	179	166	143	110	89
12	102	76	71	97	89	98	113	109	111	118	113	105	86	60	50	22	23	19	32	27	30	25	27	29	68
13	27	17	13	11	12	12	11	24	33	43	33	40	48	31	50	46	30	38	66	37	97	110	129	22	41
14	19	17	9	9	7	6	9	14	22	26	30	22	18	19	22	26	19	16	17	14	9	6	6	7	15
15	9	M	5	3	2	10	41	79	95	97	91	90	104	97	108	118	122	122	121	119	116	124	120	109	83
16	101	100	78	79	109	88	96	107	79	79	109	84	82	80	82	74	79	102	116	114	105	98	97	78	92
17	78	91	84	77	79	71	72	66	71	95	71	39	36	24	52	54	37	62	77	78	88	57	72	69	67
18	24	12	6	6	6	7	9	13	21	18	19	27	19	18	15	14	14	19	21	16	16	14	13	10	15
19	7	5	4	4	4	4	5	9	7	8	8	8	10	9	8	12	12	13	15	11	9	10	10	6	8
20	6	4	2	2	3	1	2	5	6	5	4	4	5	5	4	5	7	14	10	5	9	21	36	20	8
21	25	23	33	33	26	30	55	60	64	71	64	76	68	55	27	56	81	46	52	85	87	83	80	78	57
22	69	60	64	62	58	56	52	46	45	61	59	62	63	65	67	69	68	62	44	44	63	36	74	56	59
23	61	41	14	22	29	45	33	56	54	54	41	36	47	58	44	65	57	62	67	67	73	70	67	50	51
24	50	52	40	40	36	44	56	56	52	53	49	53	52	53	51	67	65	69	82	74	51	35	10	5	50
25	4	4	3	1	2	36	39	27	10	8	8	9	10	8	17	22	20	28	49	50	63	53	61	60	25
26	43	29	30	42	40	32	32	45	52	52	54	56	54	37	11	10	12	17	13	10	8	6	5	8	29
27	5	7	7	4	3	6	11	12	14	13	12	10	8	12	13	16	17	21	19	11	10	11	11	10	11
28	6	4	4	4	3	3	5	9	20	27	19	18	18	21	34	59	65	70	74	83	83	77	45	65	34

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
31	38	44	38	89	109	121	131	1	-	179	8	-	92	3	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	5	7	8	9	12	14	17	17	18	15	4	0	0	0	1	4	4	8	10	14	19	23	22	10	
2	21	21	22	24	25	28	31	30	27	23	6	0	0	2	5	3	4	2	0	2	2	1	1	1	12	
3	2	3	2	2	2	2	3	3	9	9	7	11	5	8	7	4	3	4	4	4	7	13	7	8	5	
4	5	5	4	4	4	4	6	4	2	6	5	5	7	6	14	24	27	23	22	10	7	12	7	3	9	
5	2	5	2	4	2	4	4	6	9	18	19	11	8	21	11	15	8	2	5	8	11	10	9	7	8	
6	6	7	7	6	5	6	6	5	6	4	4	2	4	4	12	5	5	9	8	10	10	8	8	7	6	
7	7	8	7	8	9	8	7	6	5	2	2	4	7	11	6	19	22	28	30	43	32	17	16	17	13	
8	18	19	12	10	11	15	18	21	15	12	16	18	18	21	60	27	12	9	8	7	8	9	7	6	16	
9	8	10	9	10	10	10	10	10	11	8	7	6	7	10	10	10	8	5	5	9	10	8	9	7	9	
10	7	7	6	6	7	7	7	9	8	4	1	2	7	8	6	5	8	4	1	7	8	7	8	8	6	
11	8	7	5	5	4	4	4	4	28	10	10	38	40	58	38	22	31	41	45	42	36	28	19	33	23	
12	25	26	22	27	27	24	25	25	26	86	81	89	54	11	9	6	4	6	3	5	5	7	6	3	25	
13	3	5	3	5	4	4	5	6	5	2	6	8	8	8	6	4	4	4	1	1	4	3	1	5	4	
14	4	3	5	4	6	8	7	6	5	9	8	7	7	7	7	3	3	5	3	4	4	4	4	3	5	
15	2	3	2	2	2	2	1	2	3	3	7	51	73	31	38	35	35	102	64	68	85	78	85	57	35	
16	58	91	181	199	189	92	84	94	80	98	61	47	34	53	49	51	66	85	81	66	47	143	102	83	89	
17	215	118	98	83	57	46	37	20	59	98	32	6	6	6	5	4	1	1	1	1	5	2	1	5	38	
18	4	5	6	4	2	6	3	4	7	4	25	16	1	0	5	4	5	4	4	6	5	5	6	2	6	
19	1	2	1	1	2	2	3	3	0	0	2	1	2	1	1	1	2	0	0	0	0	0	0	0	1	
20	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	
21	1	0	0	0	0	0	0	0	0	5	21	5	1	0	0	0	11	7	3	0	0	0	0	1	2	
22	4	3	12	3	16	6	9	15	24	88	45	52	27	4	5	1	0	0	1	1	1	0	1	3	13	
23	2	10	5	5	4	2	4	1	3	3	3	4	5	3	1	4	1	2	2	3	4	3	2	1	3	
24	1	0	0	1	0	0	1	7	3	1	4	2	1	8	3	5	20	2	0	0	0	0	1	1	3	
25	1	2	2	1	0	1	1	0	2	1	1	2	2	2	1	0	0	1	0	0	0	1	1	0	1	
26	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0
27	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	2	0	
28	2	2	1	3	3	1	2	2	1	2	2	7	5	5	6	4	1	1	2	2	4	4	4	55	5	

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
7	5	12	5	31	59	90	102	0	-	215	0	-	89	3	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	3	7	12	5	0	1	2	0	0	0	3	6	16	17	6	11	4
2	0	0	0	0	0	0	1	7	11	17	7	3	0	0	0	0	0	0	16	8	7	11	6	7	4
3	7	1	0	0	0	0	13	25	24	7	3	0	1	0	0	0	4	1	5	10	7	27	51	78	11
4	50	5	2	0	0	1	3	7	10	2	6	7	14	20	25	40	70	75	90	78	64	53	46	41	30
5	46	42	25	16	10	10	14	28	40	50	59	58	45	43	36	47	48	37	64	56	47	29	20	25	37
6	23	15	11	8	6	6	17	25	33	28	25	18	16	2	21	7	7	11	8	12	42	22	10	5	16
7	4	5	0	0	0	0	0	5	14	11	6	5	1	4	0	34	45	79	91	95	103	72	68	60	29
8	57	26	11	3	1	1	0	10	9	12	20	18	16	20	58	24	1	5	23	20	0	0	0	0	14
9	0	0	0	0	0	0	1	3	2	3	0	5	0	0	0	0	0	1	4	16	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	28	39	29	26	21	6
11	25	M	3	1	2	3	21	34	52	13	6	32	46	65	44	39	97	118	125	144	162	141	76	83	58
12	72	54	34	48	59	60	58	74	95	105	108	99	64	8	0	0	0	0	0	6	13	16	23	42	
13	21	10	1	0	0	2	2	2	2	6	4	2	2	0	0	0	0	1	4	11	5	0	0	1	3
14	1	1	0	0	0	0	0	0	0	1	1	1	0	0	2	0	0	0	4	7	3	4	3	0	1
15	0	0	0	0	0	0	0	0	0	1	15	80	90	85	94	95	101	111	108	105	111	114	115	118	56
16	110	118	127	124	115	95	95	87	91	92	62	60	60	73	71	79	83	97	98	84	112	105	95	100	93
17	103	95	79	61	63	70	68	38	56	67	52	14	7	1	0	0	4	4	3	5	0	0	1	33	
18	0	0	0	0	0	0	0	0	2	0	M	M	7	7	6	7	5	6	7	3	4	8	5	5	3
19	0	0	0	0	0	0	0	3	1	1	0	0	1	1	0	0	2	0	3	1	0	1	1	1	1
20	0	0	0	0	0	0	0	2	1	1	0	0	0	1	1	3	5	7	3	5	7	4	4	1	2
21	0	0	0	0	1	4	10	19	18	26	50	12	2	0	0	0	17	25	6	5	6	7	14	17	10
22	45	44	27	11	43	39	49	55	45	54	56	58	33	4	16	11	4	9	2	11	19	18	15	11	28
23	15	50	15	3	6	4	18	26	25	19	13	12	9	15	9	14	17	19	20	24	19	13	11	21	17
24	4	11	6	4	5	9	16	40	16	9	7	9	5	21	14	M	M	11	9	0	0	0	0	0	9
25	0	M	0	0	0	1	3	4	0	0	0	0	0	0	0	0	0	0	5	3	0	1	9	1	
26	1	0	0	0	1	0	0	6	6	3	1	0	0	1	0	0	0	0	0	0	0	0	0	5	1
27	1	11	0	0	0	0	3	2	2	2	0	1	1	1	2	8	5	1	2	5	1	1	1	5	2
28	1	0	0	0	0	0	0	2	5	5	4	3	6	7	6	6	7	7	8	40	46	38	35	83	13

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
11	5	19	5	65	95	111	118	0	-	162	1	-	93	4	99	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	3	4	3	3	5	9	12	11	14	9	7	7	4	5	5	4	6	7	8	6	9	6
2	13	5	5	6	8	8	8	6	7	10	11	7	8	6	4	5	6	5	4	6	5	5	6	5	7
3	5	3	4	5	4	4	4	4	5	11	12	6	6	8	9	8	8	12	5	5	4	4	4	4	6
4	5	6	6	5	3	4	5	5	6	5	5	4	4	6	6	8	8	8	10	7	7	6	5	2	6
5	2	2	1	2	2	2	2	2	2	4	2	3	4	4	4	4	4	4	4	5	4	5	4	4	3
6	5	5	4	4	2	3	3	3	6	9	10	9	11	16	12	9	11	8	7	8	9	8	9	8	7
7	8	7	7	8	8	10	6	5	7	9	7	6	8	10	10	9	13	10	9	14	7	9	12	13	9
8	18	19	13	9	9	10	12	12	12	13	12	12	12	11	11	11	13	15	26	11	10	7	11	7	12
9	7	7	8	7	7	8	8	10	16	22	22	15	12	10	10	10	9	8	9	6	8	7	6	8	10
10	7	7	6	5	5	8	6	7	7	7	7	8	M	M	M	5	5	6	5	8	8	6	7	10	7
11	9	7	6	8	7	10	9	7	13	17	12	13	12	9	11	14	20	26	31	32	27	29	35	34	17
12	34	39	28	28	24	24	19	23	21	18	18	28	21	23	14	5	4	5	6	7	9	11	12	13	18
13	10	8	11	10	11	11	9	8	10	13	10	12	11	9	6	4	4	5	6	11	8	8	7	8	9
14	8	8	5	6	6	10	6	12	10	6	8	9	6	5	8	5	5	6	7	6	6	5	4	3	7
15	4	4	3	3	2	3	4	4	5	7	8	10	14	10	6	6	6	7	7	7	7	9	15	19	7
16	18	13	14	10	8	7	6	8	11	17	29	35	38	26	26	27	22	19	13	11	11	12	11	13	17
17	11	9	8	7	6	8	9	9	12	26	30	14	9	10	10	12	3	3	2	3	5	5	3	6	9
18	5	4	3	3	3	3	3	2	4	6	4	4	3	3	6	3	3	4	4	5	5	6	5	3	4
19	3	3	3	4	4	3	3	5	4	3	3	3	2	2	3	4	5	2	2	1	1	1	1	1	3
20	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2	1	3	2	3	1	1	1	1	2
21	0	1	2	2	1	1	1	1	6	9	11	16	18	14	11	9	10	8	9	11	9	8	7	5	7
22	5	4	6	10	8	6	6	6	8	8	14	13	13	11	6	5	2	2	7	3	2	1	1	2	6
23	1	3	3	2	4	2	2	2	5	8	5	7	5	6	4	4	2	6	4	4	6	5	6	5	4
24	2	3	2	2	2	4	7	5	10	6	5	7	6	9	8	4	3	10	5	3	6	2	2	2	5
25	1	1	1	2	2	2	2	2	2	2	3	4	7	2	1	1	2	2	3	3	7	3	5	3	
26	5	3	4	4	3	3	4	5	8	6	8	10	12	8	3	10	14	3	4	5	6	11	6	7	6
27	6	8	6	3	2	1	1	1	1	2	1	1	1	2	3	2	1	1	0	0	0	1	1	1	2
28	0	1	0	1	1	1	1	0	1	2	1	1	2	1	1	2	5	5	4	3	4	3	3	8	2

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----									-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
5	6	7	6	13	19	28	31	0	-	39	2	-	18	2	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: FEBRUARY

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	12	10	11	12	11	11	22	39	53	40	46	32	35	36	14	15	15	17	22	20	28	28	60	25
2	54	13	12	12	19	25	36	17	31	54	43	16	17	13	9	10	12	10	10	19	31	35	41	40	24
3	46	30	18	16	15	17	26	18	16	38	34	13	10	13	14	18	24	25	17	21	74	77	41	54	28
4	54	33	25	14	8	10	14	13	18	17	12	17	20	48	49	29	32	46	77	56	47	56	53	33	33
5	35	24	19	15	15	16	17	24	30	40	38	40	38	37	37	43	47	64	49	45	36	36	37	29	34
6	29	25	18	17	14	17	21	28	41	61	58	60	55	51	49	48	43	27	21	36	38	46	35	18	36
7	24	17	16	18	21	30	19	17	22	32	25	22	28	17	17	19	22	35	46	83	64	53	62	53	32
8	55	50	37	18	12	13	15	18	21	31	25	29	28	31	34	31	29	25	45	76	25	16	23	19	29
9	19	22	17	14	11	18	24	23	28	33	28	29	21	12	14	17	16	16	18	13	18	15	14	20	19
10	22	21	23	14	17	32	12	11	9	8	9	10	M	M	M	8	7	12	9	17	15	10	11	21	14
11	16	M	29	41	21	66	65	53	79	58	19	18	16	14	30	65	84	97	117	158	113	100	126	121	65
12	117	113	107	100	94	89	80	82	68	60	70	78	71	43	28	15	12	14	15	17	21	33	66	92	62
13	71	67	80	59	58	37	20	17	21	40	27	27	37	21	12	8	10	8	9	14	14	38	57	38	33
14	51	34	14	18	15	23	12	35	23	14	17	22	13	15	56	16	21	22	34	20	38	58	23	11	25
15	22	31	22	10	10	21	42	42	62	82	89	84	101	98	86	84	96	101	105	103	103	99	111	110	71
16	104	97	103	86	80	82	74	78	84	88	85	78	64	48	51	46	50	55	56	66	81	90	77	65	75
17	68	70	52	54	62	60	68	68	64	67	60	37	28	43	27	25	11	13	10	19	25	17	15	40	42
18	31	23	16	16	13	10	13	12	18	26	23	21	16	23	27	16	9	20	20	41	30	32	33	19	21
19	21	18	25	23	26	17	14	24	17	16	16	11	11	15	21	21	24	16	14	18	16	15	20	19	18
20	17	21	12	14	16	19	21	20	20	21	17	16	19	13	16	16	20	51	24	26	14	13	14	19	19
21	8	29	30	16	18	21	26	37	70	71	72	70	59	75	61	67	69	71	59	40	36	57	65	59	49
22	59	63	53	55	55	45	51	57	54	52	72	63	42	32	32	30	12	16	44	23	43	19	43	50	44
23	33	60	55	37	42	24	27	23	57	63	34	32	25	46	32	41	27	68	67	52	67	63	68	63	46
24	22	45	46	32	26	40	50	43	63	19	14	45	47	63	56	28	21	71	37	32	49	31	16	12	38
25	8	M	10	8	19	36	20	14	13	15	15	30	33	16	8	17	17	34	65	32	69	62	23	75	28
26	55	28	54	46	34	39	45	48	51	20	16	37	38	23	10	20	32	14	15	26	39	44	36	34	34
27	41	49	32	13	9	7	9	10	9	13	10	8	9	12	14	11	9	10	8	6	8	8	12	11	14
28	9	12	10	13	21	24	17	12	22	21	20	20	21	22	17	43	68	82	90	87	85	69	75	82	39

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
28	27	36	27	71	86	103	112	6	-	158	14	-	75	2	99	0	

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	0	0	0	3	2	1	1	1	1	2	4	3	3	5	6	4	2	1	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
4	9	6	3	3	3	4	2	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	1	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	3	7	7	6	9	9	7	5	2	1	1	1	2	1	3
10	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	0	0	0	0	0	1	0	0	0
11	0	1	0	0	1	1	1	1	1	1	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0
12	0	1	1	2	1	1	1	0	5	4	0	2	2	2	1	2	0	0	0	0	0	0	0	0	1
13	0	1	0	0	0	0	0	0	0	0	0	1	2	1	0	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	2	0	0	1	1	0	1	0	0	0
20	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	2	3	3	1
21	12	2	6	3	4	3	3	2	5	7	11	13	6	5	4	6	7	6	8	7	13	8	3	2	6
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	2	2	2	3	3	2	2	3	5	4	2	2	2	4	4	5	5	4	2	2	1	2	3
24	1	2	2	1	1	1	1	2	2	2	3	3	2	1	2	2	2	1	0	0	0	0	0	1	1
25	1	1	1	1	1	2	2	2	3	4	3	3	3	3	4	4	3	2	2	4	3	2	2	1	2
26	1	1	1	1	1	2	1	1	2	2	3	2	1	1	2	2	2	2	1	1	1	1	0	1	1
27	1	1	1	0	0	0	0	0	0	1	2	3	5	7	7	5	4	6	10	15	8	9	11	17	5
28	16	4	2	2	1	2	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	2
29	0	0	0	0	0	0	0	0	0	0	0	1	1	5	2	0	0	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----									RANGE-----		STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL		
2	0	1	0	3	5	8	11	0	-	17	0	-	6	2	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	3	2	25	46	31	21	4	40	38	34	30	22	37	46	57	46	55	85	109	82	36	25	19	38
2	14	4	0	1	0	0	1	6	9	18	15	18	7	13	18	21	14	12	4	7	7	9	0	5	8
3	1	1	0	0	0	1	0	3	22	32	28	26	10	11	11	12	12	14	11	13	21	11	4	59	13
4	81	75	68	64	64	48	29	14	24	23	15	13	10	17	22	27	16	15	10	5	1	3	3	1	27
5	0	0	0	0	0	0	0	0	3	4	8	M	3	27	22	31	29	32	5	6	7	8	5	13	9
6	10	2	0	0	0	0	0	8	19	27	17	13	21	37	40	34	38	47	43	23	18	17	18	12	19
7	10	7	3	0	0	0	1	8	19	23	12	16	6	20	41	35	33	13	1	1	3	0	0	0	11
8	0	0	0	0	0	0	0	0	0	1	1	5	5	0	10	4	1	14	6	3	0	0	0	0	2
9	0	0	0	0	0	3	2	0	15	32	56	56	59	59	62	53	54	40	16	5	5	2	2	2	22
10	0	0	0	0	0	0	0	0	1	1	1	0	0	3	6	7	11	15	9	7	5	4	0	1	3
11	0	0	0	0	0	0	0	5	10	19	26	24	18	30	41	35	52	57	36	30	24	18	14	17	19
12	18	29	21	15	5	8	17	25	45	48	29	54	49	47	43	43	23	28	23	17	17	6	7	2	26
13	0	1	0	0	0	0	0	10	23	48	46	37	33	44	47	46	52	33	12	13	36	1	0	0	20
14	0	0	0	0	0	0	0	13	26	35	21	11	35	42	23	20	9	20	2	0	0	0	0	0	11
15	0	0	0	0	0	0	0	0	0	1	2	4	3	4	5	5	9	6	2	4	0	0	0	0	2
16	0	0	0	0	0	0	0	0	5	7	12	12	8	9	13	12	14	8	5	3	1	0	0	0	5
17	0	0	0	0	0	0	0	1	10	10	2	M	1	0	2	0	5	2	2	2	1	1	1	0	2
18	1	0	0	0	0	0	3	0	5	1	2	1	1	1	0	4	6	4	2	4	3	2	0	1	2
19	0	0	0	0	0	0	1	2	11	17	8	M	7	1	1	5	1	3	3	5	1	9	1	3	3
20	1	0	26	3	20	13	6	0	1	17	20	5	3	4	8	12	11	18	16	13	31	58	69	13	15
21	43	9	37	14	46	44	48	32	39	49	60	56	46	44	48	48	44	51	105	71	117	97	67	43	52
22	21	2	0	1	0	0	0	0	4	1	0	0	1	3	12	17	14	10	4	1	0	0	0	0	4
23	0	0	0	0	0	0	0	7	19	26	30	41	24	27	26	48	65	51	50	39	25	16	14	7	21
24	0	0	0	0	0	0	1	9	13	27	19	8	6	3	6	10	6	13	3	1	0	0	0	0	5
25	0	0	0	0	0	0	4	13	27	32	23	49	51	54	47	45	48	30	19	11	6	2	8	1	20
26	0	0	1	0	0	0	3	11	33	45	31	34	24	35	39	60	69	83	92	64	71	63	42	19	34
27	14	8	5	1	0	3	10	15	30	38	58	68	77	83	81	61	58	64	100	124	116	115	110	127	57
28	78	4	8	21	10	39	6	2	15	13	16	16	22	25	31	23	3	8	13	4	0	M	0	0	16
29	2	7	0	0	0	0	0	0	1	2	0	12	13	9	8	12	11	6	9	0	3	0	0	4	4
30	0	0	0	0	0	0	0	0	3	3	10	7	9	5	11	9	8	7	5	4	2	3	0	0	4
31	0	0	0	0	0	0	3	4	4	7	5	2	3	1	2	2	3	6	6	8	6	3	0	1	3

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
11	6	15	6	46	59	81	103	0	-	127	2	-	57	4	99	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: MARCH

YEAR : 2015

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	2	1	0	0	0	0	0	7	4	2	2	11	22	40	16	22	16	23	14	11	5	4	2	9
2	2	2	1	1	1	1	1	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3	1	0	1	1	1	1	1	2	2	3	3	2	2	2	2	4	2	2	2	2	1	2	2	11	2
4	12	11	9	6	5	15	18	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
7	0	1	0	0	0	1	1	1	1	2	1	1	0	1	0	1	1	1	1	0	1	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	1	1	1	0	1	1	0	0
9	0	0	0	0	0	1	0	0	12	28	35	49	43	46	28	D	D	18	9	7	5	10	10	0	14
10	0	0	0	1	0	0	0	1	1	2	2	1	1	1	1	0	2	2	0	0	0	1	0	2	1
11	3	3	3	3	4	4	3	4	3	2	1	1	2	2	2	2	3	4	3	1	0	0	2	3	2
12	1	0	1	0	1	0	1	2	2	2	1	1	1	1	1	1	1	3	0	1	1	1	0	4	1
13	4	3	2	3	3	2	2	3	2	2	4	3	4	4	5	4	3	4	3	2	3	5	4	3	3
14	2	2	1	1	1	2	2	3	2	2	4	3	3	2	2	2	2	1	2	4	5	3	2	2	2
15	2	3	5	3	3	1	5	4	3	4	3	4	2	2	2	1	2	1	1	1	1	0	1	1	2
16	1	0	1	0	0	1	1	1	2	1	1	2	2	2	2	3	2	3	2	1	1	1	3	3	2
17	0	0	0	1	1	1	0	2	1	0	2	2	0	1	0	0	0	0	0	0	0	2	1	3	1
18	2	1	2	1	2	1	2	3	3	3	2	3	2	2	4	5	4	3	5	4	4	4	3	3	3
19	4	2	3	3	2	2	1	4	5	2	2	2	2	3	3	7	7	5	5	5	9	10	6	7	4
20	4	4	5	3	2	2	1	1	1	1	3	2	1	2	3	2	3	7	4	3	2	3	3	2	3
21	1	1	1	9	20	33	20	18	13	11	7	8	3	2	3	2	1	2	1	2	2	2	2	1	7
22	0	1	1	1	1	0	1	0	0	0	0	0	1	0	0	0	1	1	0	1	2	1	2	2	1
23	3	4	3	4	5	5	5	5	4	5	5	5	5	6	6	7	7	8	6	5	5	6	6	5	5
24	4	6	4	4	4	3	4	5	4	4	3	3	3	3	3	4	3	2	4	2	1	2	1	2	3
25	3	2	2	2	3	4	5	6	5	5	4	5	5	5	6	6	4	5	7	7	4	3	3	3	4
26	3	3	5	5	6	5	4	6	5	3	4	3	3	3	3	3	4	3	3	3	3	5	4	1	4
27	2	1	1	0	0	0	0	0	5	15	13	27	19	22	28	42	50	23	18	44	56	45	64	33	21
28	28	29	29	18	16	5	4	3	2	2	0	3	3	3	2	2	4	5	5	4	3	3	4	3	8
29	2	2	3	2	1	1	1	0	2	5	5	4	3	4	3	2	2	7	4	8	5	5	4	4	3
30	4	1	1	2	1	2	3	2	2	1	1	1	2	2	1	1	1	1	7	2	1	3	7	3	2
31	3	3	4	3	3	3	2	3	4	2	2	3	3	2	1	2	3	7	7	8	5	2	2	1	3

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
3	2	4	2	7	15	28	43	0	-	64	0	-	21	2	100	0

NOTES:

1. FLAGS FOR INVALID DATA :
 - D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: MARCH

YEAR : 2015

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	17	21	17	24	7	9	16	28	26	22	25	33	43	60	49	55	68	81	68	48	16	12	9	32
2	8	4	3	2	3	4	6	8	5	5	6	8	4	4	4	4	5	3	2	3	3	4	4	4	4
3	4	2	2	2	2	2	4	8	8	8	8	9	11	8	11	16	10	15	13	14	23	17	16	49	11
4	66	63	54	48	44	41	37	10	6	6	2	0	0	1	2	2	3	4	3	3	4	4	4	2	17
5	2	2	2	2	2	1	3	3	5	5	3	2	3	2	3	2	1	1	2	4	4	4	4	5	3
6	5	3	3	2	3	3	3	4	4	6	6	5	6	4	4	7	5	3	3	4	5	6	10	7	5
7	8	9	8	8	6	7	9	9	9	8	8	9	7	5	6	6	6	3	2	3	2	2	2	3	6
8	3	2	1	3	2	2	2	2	3	2	3	5	4	6	5	5	7	9	5	5	5	7	4	3	4
9	3	1	1	1	4	10	10	21	41	54	M	M	49	51	49	D	D	39	20	17	12	18	12	7	21
10	6	5	5	5	5	4	6	8	7	8	9	7	7	7	8	M	9	8	7	7	6	7	6	4	7
11	7	M	6	5	7	6	7	10	8	7	7	7	7	5	7	12	12	20	14	10	10	9	9	8	9
12	11	11	11	10	3	2	6	18	29	26	15	14	19	8	9	9	14	16	4	7	6	6	6	7	11
13	4	5	2	2	1	1	3	5	5	4	5	5	6	6	9	7	7	6	3	2	3	6	5	4	4
14	4	2	1	1	2	3	4	6	7	10	10	10	10	9	8	8	7	4	5	9	9	5	5	3	6
15	0	2	3	3	3	1	7	10	10	13	13	16	12	15	14	12	14	11	10	10	6	4	5	11	9
16	11	5	1	1	2	2	6	6	9	7	9	8	8	7	9	11	12	13	12	8	6	4	8	15	8
17	5	3	4	5	6	5	7	13	10	9	11	10	6	7	8	8	8	13	6	8	4	9	9	5	7
18	2	8	2	3	2	1	6	11	11	10	8	8	3	2	8	10	8	4	5	4	5	4	4	4	6
19	3	0	1	2	6	11	13	17	10	11	9	8	4	6	2	9	13	12	15	9	18	18	13	8	9
20	3	2	5	2	2	4	8	12	10	6	5	3	1	1	5	4	16	15	10	7	4	7	10	11	6
21	9	13	25	27	33	41	37	33	28	26	29	37	20	7	12	13	12	16	12	12	8	5	1	3	19
22	2	3	2	4	1	2	5	5	5	6	7	6	9	6	6	7	6	8	8	5	6	3	3	4	5
23	3	3	1	1	2	2	3	3	6	6	5	10	11	6	7	7	9	14	8	9	11	12	11	9	7
24	8	9	8	7	6	7	9	13	9	7	6	6	6	7	9	9	9	7	10	7	5	5	4	4	7
25	5	M	3	4	5	5	7	12	11	10	9	7	10	9	15	12	11	12	11	11	9	8	9	8	9
26	8	8	8	7	8	8	8	21	20	13	12	11	11	13	14	20	23	24	28	24	18	22	20	12	15
27	9	10	8	6	7	11	13	13	27	46	42	50	49	48	58	70	83	77	72	78	85	90	88	85	47
28	81	82	84	70	63	14	8	6	3	5	M	1	2	2	4	4	12	12	13	3	2	1	3	4	21
29	4	4	5	4	4	2	3	6	11	14	10	6	8	7	7	8	10	20	15	20	11	12	9	9	9
30	6	0	0	2	1	0	6	12	14	9	8	8	8	6	5	11	12	15	23	7	4	4	12	5	7
31	4	3	5	2	4	4	9	18	13	10	7	8	8	6	7	9	11	19	26	27	13	5	7	8	10

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
7	7	11	7	21	42	68	81	0	-	90	3	-	47	2	99	0

NOTES:

1. FLAGS FOR INVALID DATA :
 - D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	5	5	9	6	2	2	10	6	4	5	14	14	27	10	11	14	16	15	14	7	3	3	9
2	2	2	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
3	0	0	3	3	2	5	1	1	1	1	1	1	1	1	1	1	1	1	2	6	4	11	7	16	3
4	14	11	6	7	10	19	19	24	13	4	2	2	2	2	1	1	M	2	1	1	1	1	0	1	6
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	3	2	1	2	2	1
6	3	8	15	8	7	5	3	2	2	2	1	1	3	8	6	2	4	24	25	25	13	8	9	7	8
7	4	4	2	2	2	3	2	2	2	8	13	16	15	7	13	8	15	11	6	1	1	1	1	1	6
8	0	0	0	0	0	0	0	0	0	0	1	4	17	3	5	18	24	24	19	13	27	15	31	17	9
9	12	14	11	7	4	4	12	24	26	36	36	28	13	24	25	28	16	23	19	22	22	21	8	4	18
10	2	2	2	2	2	2	2	3	3	4	5	4	3	4	5	5	4	3	2	2	2	2	2	2	3
11	4	4	4	3	3	3	3	3	3	5	3	2	2	3	3	3	2	2	3	1	2	1	1	2	3
12	3	1	3	3	6	7	10	5	7	21	10	9	25	25	26	M	M	5	4	3	3	3	3	2	8
13	3	4	3	2	3	2	2	4	7	3	9	20	17	19	11	12	12	6	13	16	13	18	10	3	9
14	5	6	3	2	1	1	1	1	1	2	1	2	4	6	3	2	3	3	1	1	4	4	5	6	3
15	4	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	4	13	2
16	26	30	19	22	15	6	4	5	7	19	21	10	4	3	5	5	2	2	2	2	1	2	1	2	9
17	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2	1
18	2	2	2	2	1	1	2	2	3	4	4	5	2	4	7	7	6	3	3	3	3	3	2	3	3
19	3	2	3	7	5	3	2	2	4	17	4	2	4	5	7	13	5	4	3	3	3	13	8	6	5
20	5	5	5	3	2	2	3	3	11	11	16	7	7	14	13	4	4	3	4	4	2	3	4	5	6
21	8	10	9	9	15	25	15	24	24	28	34	14	7	5	6	17	20	22	24	14	12	14	8	16	16
22	15	11	5	3	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4
23	5	5	4	5	6	7	6	6	5	6	7	18	21	14	31	11	6	7	10	8	6	6	6	7	9
24	4	5	5	4	4	5	5	6	6	5	5	5	5	6	6	6	5	3	3	3	3	3	3	3	5
25	3	4	4	4	4	5	5	6	8	10	8	7	15	9	7	7	6	5	6	8	7	5	4	3	6
26	3	4	4	4	5	5	13	6	7	4	3	6	3	4	23	37	30	46	21	16	19	14	18	13	13
27	7	7	5	4	5	5	5	21	15	14	20	19	22	36	25	20	16	9	26	26	22	27	28	19	17
28	18	21	25	22	21	17	20	16	10	7	8	8	11	7	5	7	5	6	5	6	5	4	4	5	11
29	12	7	5	12	9	22	8	11	18	19	6	6	13	10	9	8	4	5	4	3	5	4	4	3	9
30	3	3	3	3	3	3	3	3	5	5	5	8	4	3	11	3	1	2	2	2	2	2	2	2	3
31	1	3	3	2	1	2	2	17	14	8	3	4	2	2	2	1	1	3	2	3	3	2	2	2	4

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
4	4	7	4	18	24	27	31	0	-	46	1	-	18	3	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: MARCH

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	17	28	27	39	27	13	25	25	26	25	21	26	27	41	40	47	47	61	71	78	42	24	20	34
2	14	5	0	0	0	0	6	11	12	18	7	5	4	6	4	6	8	7	4	1	0	0	0	1	5
3	0	0	6	4	2	11	5	4	8	13	11	7	7	10	14	12	12	27	45	69	62	69	75	48	22
4	40	35	31	29	29	28	27	34	31	21	12	5	6	9	14	19	M	14	12	6	1	1	1	2	18
5	0	0	0	0	0	0	1	2	6	8	7	4	2	3	8	12	14	36	30	37	8	13	9	26	9
6	27	37	43	23	18	12	15	26	25	30	24	16	24	38	45	48	52	61	65	64	64	53	47	36	37
7	22	21	9	8	5	11	15	20	27	30	36	32	31	26	37	42	55	56	44	9	7	3	0	1	23
8	0	0	0	0	0	0	0	3	4	3	4	14	35	12	20	49	59	67	67	67	74	63	72	66	28
9	53	55	46	31	24	27	42	57	51	57	48	40	32	46	42	53	48	73	85	81	85	61	11	7	48
10	1	0	0	0	0	0	4	5	8	25	21	39	7	15	29	34	28	17	15	10	8	8	5	6	12
11	4	M	1	0	0	2	7	13	21	55	27	26	13	28	44	55	41	47	50	47	33	26	18	21	25
12	19	21	22	17	19	18	36	31	42	54	45	35	41	35	38	45	42	39	35	33	24	13	15	7	30
13	2	2	0	0	0	4	21	35	47	51	49	52	48	51	46	45	59	52	80	88	78	70	40	4	39
14	17	35	5	0	0	0	1	3	16	25	27	22	26	54	51	27	35	22	6	4	16	17	18	52	20
15	31	2	3	0	0	0	0	3	2	5	5	6	6	9	12	11	13	9	9	4	1	6	37	51	9
16	53	45	43	41	33	9	32	43	42	40	38	25	10	23	54	48	16	20	25	13	13	16	4	6	29
17	2	0	0	0	0	0	3	12	19	13	8	7	5	7	9	10	16	16	18	8	8	6	6	9	8
18	4	0	0	0	0	0	7	9	18	46	36	49	6	36	45	46	51	17	17	11	11	6	6	9	18
19	5	1	6	6	4	3	16	35	35	26	8	2	4	14	8	16	21	23	21	15	13	31	23	11	14
20	8	11	11	0	2	7	20	33	26	15	13	3	6	7	11	3	7	15	26	50	32	40	47	48	18
21	44	41	38	40	35	40	35	40	35	31	35	33	33	20	21	27	27	40	48	34	50	60	33	67	38
22	57	49	4	0	0	0	2	2	4	4	2	2	3	2	8	15	7	11	10	4	1	0	0	1	8
23	0	0	0	0	0	0	2	15	23	31	26	45	46	35	55	46	58	48	45	40	44	34	20	8	26
24	3	2	2	0	0	2	7	13	15	31	15	30	6	44	45	64	33	21	11	7	4	2	0	1	15
25	0	M	0	0	0	1	8	17	47	42	44	28	39	70	34	41	35	25	20	13	12	7	7	9	22
26	6	5	5	3	4	7	24	25	33	41	27	30	23	33	66	73	58	76	69	51	55	60	79	77	39
27	66	53	54	51	51	45	47	57	58	58	60	57	64	65	63	68	69	60	97	96	94	83	85	74	66
28	78	73	64	54	58	54	54	45	30	24	34	23	25	13	17	65	26	28	27	38	38	37	48	31	41
29	68	28	19	31	29	52	20	38	42	37	14	9	15	9	8	13	10	19	20	12	11	8	6	10	22
30	3	1	0	0	0	0	7	14	71	53	36	18	8	13	18	9	6	15	23	27	36	17	15	15	17
31	9	26	17	1	3	12	23	45	40	27	12	13	8	4	4	4	11	23	26	29	21	21	12	21	17

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
18	19	24	19	55	66	76	82	0	-	97	5	-	66	3	100	0	

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	4	6	7	2	1	2	9	6	2	3	8	10	19	7	11	11	21	17	13	5	2	2	7
2	4	3	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	1	3	4	3	1	0	1	1	0	1	0	0	1	1	1	1	1	3	7	18	18	25	4
4	18	11	6	9	16	25	28	24	8	3	4	3	2	2	1	1	1	2	1	0	0	0	0	1	7
5	1	0	0	0	0	0	1	1	0	0	0	2	1	0	1	1	2	1	2	1	4	1	2	0	1
6	2	7	5	3	2	1	1	2	4	6	1	1	2	4	1	1	0	12	13	1	1	0	0	0	3
7	0	0	0	0	0	0	0	1	2	9	4	2	9	13	10	5	25	9	4	1	0	0	0	1	4
8	0	0	0	1	0	1	0	0	1	1	1	15	18	9	11	18	24	28	12	7	7	6	8	9	7
9	12	21	17	5	2	3	5	22	38	38	34	36	16	19	35	20	14	19	22	16	17	21	7	3	18
10	2	2	2	2	2	2	2	3	3	4	5	3	3	3	3	3	3	2	2	2	2	2	2	3	3
11	3	4	4	3	3	4	4	4	3	3	2	2	2	2	2	2	2	2	1	1	5	2	3	4	3
12	3	1	2	3	4	4	8	4	7	13	9	15	19	31	50	24	5	3	3	1	2	2	2	2	9
13	2	4	4	3	2	6	4	6	4	16	11	16	23	18	12	22	7	7	7	6	7	7	7	2	8
14	5	6	4	4	5	4	2	2	1	1	9	8	19	25	6	2	8	5	5	2	28	32	14	9	9
15	4	17	11	2	3	3	2	2	1	2	2	2	1	1	1	1	1	1	1	2	2	8	11	12	4
16	15	22	19	37	19	5	3	19	19	38	43	40	5	1	1	1	2	1	1	2	3	27	1	2	14
17	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	0	1	1	1	1	0	1
18	0	1	0	0	0	0	0	0	0	0	0	0	1	1	4	3	1	1	1	1	1	1	1	2	1
19	1	2	4	6	3	1	1	1	9	29	7	1	7	4	5	10	3	3	2	1	2	13	9	4	5
20	2	6	4	2	2	3	1	2	13	27	19	5	7	2	6	2	2	2	3	2	2	4	5	19	6
21	12	11	13	14	16	32	19	23	21	22	29	13	9	14	7	11	16	31	26	12	8	14	13	17	17
22	16	11	2	2	1	1	2	1	1	1	1	2	2	2	2	1	2	3	3	3	3	2	3	3	3
23	4	5	5	5	6	7	6	5	5	6	32	35	29	28	41	41	9	6	9	8	13	11	7	6	14
24	4	5	5	4	4	5	4	5	5	4	3	4	5	4	5	5	4	2	2	3	3	2	3	2	4
25	2	3	3	3	3	4	4	5	6	6	5	4	8	5	5	5	4	5	6	6	4	3	4	5	5
26	3	3	4	4	4	5	10	6	4	4	3	3	3	4	28	36	44	47	27	25	20	21	14	8	14
27	3	3	7	4	3	1	9	12	16	12	12	21	18	26	20	19	7	11	22	32	32	17	22	19	15
28	20	22	25	21	17	18	34	58	59	16	15	14	17	15	8	5	4	5	5	4	4	4	5	38	18
29	18	11	6	5	9	18	3	3	32	31	17	11	13	18	5	9	3	4	5	2	4	4	3	1	10
30	1	0	0	1	1	0	0	0	0	1	1	9	3	3	10	4	0	1	1	1	4	1	0	1	2
31	1	2	2	1	1	1	2	21	34	12	8	3	2	2	2	2	1	3	2	3	2	2	2	1	5

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
4	3	7	3	19	28	36	41	0	-	59	1	-	18	3	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : POK FU LAM
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	M	37	46	50	33	28	36	37	42	41	34	39	38	55	47	59	66	88	94	98	53	25	32	48
2	33	21	7	8	6	7	12	21	29	35	19	15	16	15	15	17	22	17	12	11	10	13	6	11	16
3	8	7	10	15	14	14	12	17	30	21	15	12	11	14	12	16	17	26	29	46	80	93	85	67	28
4	54	48	45	44	45	41	44	49	44	33	29	22	26	30	28	35	34	35	30	23	13	13	13	12	33
5	8	6	5	5	6	5	7	10	15	13	13	16	11	12	14	31	40	50	39	40	47	31	29	19	20
6	32	38	27	23	17	12	19	34	38	44	36	30	34	44	47	50	43	69	71	51	46	43	36	32	38
7	29	22	17	14	10	11	13	28	33	39	36	30	35	46	52	53	68	75	65	38	25	7	5	7	32
8	6	5	3	3	4	6	5	10	13	15	22	36	45	35	41	55	69	80	81	86	83	78	76	72	39
9	60	72	66	28	21	30	36	54	66	72	62	59	43	59	67	60	57	88	97	94	96	80	23	18	59
10	12	10	9	8	7	8	10	13	18	17	17	13	17	26	27	34	32	38	31	26	22	25	18	17	19
11	15	13	12	9	8	10	15	24	28	34	34	35	34	35	41	50	46	37	46	41	43	36	36	27	30
12	35	37	32	27	16	20	41	42	52	60	60	55	57	54	53	55	50	46	46	37	27	30	30	24	41
13	18	14	17	7	6	15	20	31	39	73	61	58	65	60	65	82	74	86	97	95	77	70	72	33	51
14	57	58	23	23	17	18	23	25	25	23	57	63	77	81	31	26	80	49	48	36	88	78	48	76	47
15	49	M	44	5	17	13	7	8	8	15	8	9	8	11	16	18	15	13	13	31	24	47	70	75	23
16	70	59	61	63	51	19	18	57	63	71	65	59	20	16	15	18	27	24	23	24	26	54	12	7	38
17	6	3	2	3	2	2	5	11	14	12	11	9	7	7	8	10	12	13	13	9	7	6	6	6	8
18	4	2	2	2	2	2	8	11	15	15	10	10	8	7	14	16	14	14	12	8	9	8	6	8	9
19	4	9	15	12	8	3	5	22	46	48	30	15	18	16	17	24	22	24	15	14	15	42	35	21	20
20	15	25	20	5	11	25	26	42	43	42	36	20	24	9	15	16	21	31	37	34	56	73	70	73	32
21	66	62	61	57	60	54	55	46	48	50	52	47	51	54	51	40	37	56	64	46	47	83	71	83	56
22	76	62	12	9	7	7	10	13	15	16	11	11	12	14	21	24	25	28	28	17	14	9	8	9	19
23	7	8	5	4	6	9	10	23	36	46	75	81	62	67	73	83	59	26	32	50	67	60	36	17	39
24	14	11	11	10	8	10	15	26	31	33	26	20	19	23	29	32	33	32	27	20	14	12	10	9	20
25	10	9	7	9	9	9	15	29	31	43	43	44	60	43	44	44	48	46	39	35	23	19	21	18	29
26	15	11	11	9	9	11	27	30	30	41	36	28	31	39	81	94	98	94	90	87	70	85	91	86	50
27	61	70	74	66	53	41	62	64	70	73	75	75	78	77	80	85	73	93	114	128	130	103	103	99	81
28	97	94	82	66	63	69	73	73	68	44	47	46	41	30	22	20	23	31	32	41	43	44	58	99	54
29	105	M	23	15	29	43	4	12	63	57	38	24	20	23	8	17	15	17	20	8	11	8	4	6	25
30	4	2	0	3	5	0	4	12	18	21	15	24	14	12	19	17	14	24	30	29	52	23	14	11	15
31	4	8	8	1	2	3	19	56	55	42	30	16	13	11	11	12	15	25	23	26	23	15	8	10	18

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
24	27	33	27	72	83	94	99	0	-	130	8	-	81	2	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	7	17	13	12	13	1	9	10	7	7	11	18	18	21	8	12	10	16	14	12	5	3	1	11
2	0	0	0	0	0	0	1	1	0	3	1	2	1	0	0	0	0	0	0	1	1	0	2	1	
3	1	2	1	2	1	1	1	1	2	5	3	4	5	3	1	2	2	3	0	0	1	2	1	17	3
4	15	14	8	4	8	11	15	10	3	1	1	1	0	1	2	0	2	1	0	0	0	0	0	1	4
5	1	2	0	1	1	0	0	1	0	0	0	0	1	4	0	1	2	0	0	0	1	1	2	2	1
6	1	0	0	2	2	1	0	1	0	1	2	3	1	2	1	1	0	0	0	0	1	2	3	1	1
7	0	0	0	1	0	1	1	2	3	1	3	1	2	1	4	3	0	0	1	1	1	0	3	1	
8	3	2	4	3	1	2	2	6	4	3	5	4	7	3	5	4	4	1	1	2	6	4	19	10	4
9	35	5	11	14	12	24	33	28	32	67	45	49	41	25	4	4	10	24	13	13	11	9	7	3	22
10	5	4	4	3	3	3	3	3	1	0	0	0	1	1	4	5	3	5	5	5	4	5	4	3	3
11	3	3	3	5	6	6	3	4	3	0	0	0	0	0	0	1	2	3	3	2	1	1	1	1	2
12	2	4	8	7	4	8	7	6	6	4	3	15	13	2	1	3	1	4	3	3	2	2	1	1	5
13	4	5	3	3	3	3	1	1	0	0	1	1	0	0	2	3	4	4	4	3	3	4	2	2	2
14	2	1	1	2	2	2	3	2	1	1	0	0	0	0	0	1	0	1	3	3	3	2	2	1	1
15	0	0	1	0	0	0	0	2	1	0	0	0	0	0	1	0	4	1	1	4	1	0	0	1	1
16	1	3	0	1	0	0	1	0	0	0	0	6	10	10	0	5	0	0	2	3	1	1	1	1	2
17	1	0	0	0	1	1	0	1	0	0	15	9	13	1	0	0	1	5	10	9	6	5	4	2	4
18	3	1	1	0	0	2	3	1	1	0	0	M	0	0	1	11	10	6	8	7	6	6	4	4	3
19	7	4	12	10	13	2	1	0	0	0	0	0	0	0	3	8	4	9	12	16	17	27	17	8	7
20	14	14	5	5	0	7	3	1	0	0	0	0	0	18	0	1	3	4	11	11	7	4	5	7	5
21	15	33	15	13	44	38	19	25	32	54	8	1	0	0	1	9	19	11	13	8	9	4	2	1	16
22	2	2	3	5	3	3	5	3	2	1	0	0	0	0	0	0	0	4	7	8	6	4	4	4	3
23	5	6	5	5	6	7	5	5	4	3	0	0	0	0	0	1	4	14	21	15	11	10	9	7	6
24	6	8	6	5	4	4	4	4	3	1	3	13	2	0	0	0	0	5	12	9	6	3	2	3	4
25	4	4	3	6	5	3	3	5	4	3	2	3	6	4	1	1	4	5	8	9	7	4	3	3	4
26	4	3	4	3	4	4	3	2	1	0	0	0	0	0	2	38	15	23	13	11	6	9	25	6	7
27	22	18	11	2	6	13	3	8	19	29	42	13	33	49	38	33	11	9	44	61	70	66	48	36	29
28	38	33	38	32	47	66	12	6	2	0	0	0	0	0	0	0	0	4	14	19	12	8	6	4	14
29	5	4	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	4	8	16	14	7	4	1	3
30	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	3	9	11	7	4	3	1	2
31	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3	15	0	4	12	8	3	2	1	2

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
4	2	6	2	14	24	38	49	0	-	70	1	-	29	3	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	51	53	52	54	53	36	19	28	36	35	37	35	35	38	52	43	55	56	73	75	56	15	12	10	42	
2	13	8	1	1	0	0	3	5	5	8	6	6	3	1	3	4	10	9	8	10	11	11	5	6	6	
3	5	2	0	0	0	2	2	2	3	1	1	0	0	0	0	0	0	2	0	0	1	0	0	0	67	4
4	63	56	46	42	42	40	41	26	17	12	10	5	6	7	9	10	10	12	10	9	7	6	5	5	21	
5	3	2	1	0	0	1	1	3	4	4	4	6	3	2	4	9	21	17	15	16	12	8	9	17	7	
6	10	6	4	4	4	5	10	19	16	11	15	10	11	19	39	38	40	51	47	33	29	26	22	21	20	
7	17	12	10	6	4	7	13	19	15	11	19	19	9	9	15	15	17	22	17	4	3	1	2	5	11	
8	2	1	0	0	0	0	1	1	3	4	7	7	8	4	4	5	7	11	26	42	58	51	71	59	16	
9	69	28	68	69	57	59	62	48	55	66	54	65	41	51	34	39	34	45	35	87	49	16	6	6	48	
10	2	1	0	0	0	0	0	0	1	0	4	0	1	0	1	2	3	5	4	4	4	3	0	2	2	
11	2	M	2	0	1	2	3	5	3	10	11	12	6	9	25	19	31	36	37	28	21	14	18	12	13	
12	20	31	24	24	12	20	28	44	45	50	36	41	34	26	19	28	31	31	20	10	9	7	9	6	25	
13	3	5	3	0	1	1	8	20	23	27	22	21	15	11	15	17	20	21	19	18	26	15	16	11	14	
14	8	4	0	0	0	0	9	18	22	26	25	36	5	3	3	5	15	5	17	21	18	7	13	13	11	
15	19	1	3	1	1	1	3	6	5	7	4	5	3	4	4	1	2	4	3	5	7	2	9	31	5	
16	24	25	14	21	1	4	1	11	8	7	6	6	4	3	4	4	6	8	7	7	6	5	2	14	8	
17	4	1	1	3	3	2	4	6	5	5	8	3	0	0	0	4	2	1	1	0	0	0	1	3	2	
18	0	0	0	0	0	0	1	1	1	1	0	M	0	0	0	1	2	1	6	1	3	2	1	4	1	
19	3	3	6	5	10	0	0	0	3	2	0	0	0	0	3	8	3	4	3	7	10	32	13	5	5	
20	14	23	10	4	0	7	2	27	5	1	4	4	1	10	1	1	0	1	3	0	2	9	41	24	8	
21	37	47	45	44	53	47	49	50	48	50	38	36	36	16	9	12	23	33	21	27	20	15	28	10	33	
22	7	3	1	2	0	0	1	1	0	2	1	4	3	3	5	8	7	9	1	0	1	0	0	1	3	
23	0	0	0	0	0	0	0	5	7	14	9	21	19	12	23	16	15	17	18	16	25	19	14	14	11	
24	6	4	5	2	1	2	2	5	6	6	6	0	0	0	0	2	2	4	1	1	0	0	0	0	2	
25	0	M	0	0	0	1	5	9	12	14	7	16	10	22	18	15	15	8	6	3	1	6	0	8		
26	0	1	2	0	0	0	6	12	21	14	13	13	7	8	27	76	45	57	46	36	51	41	68	37	24	
27	55	59	44	4	30	44	28	42	54	57	58	48	71	67	75	77	79	85	94	94	93	93	83	82	63	
28	85	78	77	70	76	73	30	8	1	0	1	5	0	0	0	0	1	4	11	3	13	3	16	0	23	
29	0	5	0	1	0	0	1	9	6	6	0	0	0	0	0	0	0	4	1	1	1	0	0	0	1	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	4	18	0	0	0	0	0	0	0	0	0	3	4	14	5	0	0	0	2	

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
9	6	14	6	45	57	75	83	0	-	94	0	-	63	4	100	0

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	2	1	1	3	2	1	1	2	4	2	2	2	2	2	2	3	4	5	4	4	6	5	3	3
2	3	3	4	3	1	3	3	3	3	2	3	2	2	2	3	2	2	1	1	2	1	1	2	2	2
3	1	0	1	3	2	2	1	2	2	3	2	3	3	3	2	4	3	3	2	2	6	3	3	4	3
4	3	3	2	2	1	2	1	2	3	3	3	3	3	3	2	2	3	2	2	2	3	4	2	1	2
5	2	2	2	1	2	2	1	2	1	1	1	2	2	1	1	2	2	1	1	1	1	2	2	2	2
6	1	1	2	1	1	1	2	2	1	2	3	3	3	3	3	2	2	3	3	3	4	4	4	2	2
7	3	3	2	2	2	1	2	2	2	5	11	6	7	7	5	4	3	3	2	2	1	1	1	0	3
8	0	0	0	0	1	1	3	2	5	6	8	9	4	3	1	1	2	5	9	8	8	9	12	9	4
9	8	7	10	10	11	17	18	17	13	13	11	8	16	19	19	21	14	10	18	15	12	12	9	6	13
10	4	3	4	4	3	3	4	3	3	4	4	3	3	2	2	4	4	5	4	4	2	3	4	3	3
11	4	6	4	4	4	4	4	4	3	5	4	4	3	3	3	3	6	3	2	5	5	4	2	3	4
12	3	1	1	1	1	1	1	1	1	2	3	5	5	4	5	6	8	6	3	2	3	2	2	2	3
13	2	3	5	5	3	4	3	4	4	5	6	8	7	5	6	4	6	4	5	4	4	8	7	8	5
14	7	6	4	3	3	2	3	3	6	8	7	7	7	8	7	6	5	5	5	9	8	8	7	6	6
15	4	3	4	4	4	4	3	4	3	4	5	7	5	5	4	3	3	2	2	3	4	7	9	12	5
16	13	10	10	13	10	9	8	7	7	12	12	9	8	4	3	3	3	3	3	3	3	3	2	5	7
17	7	4	3	2	3	3	2	2	3	4	5	6	7	7	6	4	2	2	1	1	2	3	3	4	4
18	4	3	3	3	2	2	2	2	3	3	3	7	10	16	18	17	13	15	13	8	8	8	8	10	8
19	10	8	7	7	9	6	7	6	6	13	11	6	5	17	21	23	29	29	20	14	13	13	10	6	12
20	6	7	3	2	2	3	6	4	7	8	13	15	9	10	11	15	15	10	8	4	3	5	4	3	7
21	2	1	1	1	1	2	1	2	4	5	5	21	14	14	12	10	10	5	5	5	3	4	4	5	6
22	3	4	5	4	3	3	2	3	2	4	4	4	3	3	3	4	5	4	2	4	8	6	4	4	4
23	3	4	9	7	5	6	7	7	7	8	18	16	14	16	11	7	7	8	8	5	4	3	4	5	8
24	3	4	5	4	3	3	4	4	8	7	7	5	5	3	3	3	4	3	4	8	4	3	2	4	4
25	6	4	5	4	4	4	4	4	12	7	6	4	4	7	8	7	6	5	5	8	6	5	4	5	6
26	4	3	3	4	4	5	5	7	13	11	5	4	5	4	5	9	8	4	5	5	3	2	2	4	5
27	4	2	2	2	2	3	2	2	2	2	3	M	3	D	D	6	4	4	3	4	5	5	4	5	3
28	6	5	5	4	4	5	26	24	8	6	5	8	9	4	4	3	5	5	6	5	4	3	3	3	7
29	3	2	2	3	4	5	7	13	13	18	13	8	11	20	34	23	34	30	24	7	7	5	7	4	12
30	4	3	3	2	2	3	2	3	4	5	4	4	4	3	4	2	1	2	4	3	1	4	4	5	3
31	3	3	3	3	6	3	5	6	12	15	9	12	3	3	4	5	5	9	8	8	5	4	2	4	6

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----			STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR			24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
4	4	5	4	10	14	19	24	0	-	34	2	-	13	2	100	0

- NOTES: 1. FLAGS FOR INVALID DATA :
- D: DYNAMIC CALIBRATION
 - T: TELEMETRY/DATALOGGR FAULT
 - M: MAINTENANCE OR ANALYZER FAULT
 - P: POWER FAILURE

THE HONGKONG ELECTRIC COMPANY, LTD.
AIR QUALITY DATA MONTHLY TIME SERIES REPORT
MONTH: MARCH

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2015
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	61	32	37	30	45	43	18	19	25	31	28	29	32	39	32	35	48	64	65	61	68	67	25	21	40
2	21	28	21	14	9	15	22	22	24	21	29	17	22	27	24	25	28	25	19	23	12	16	19	35	22
3	43	25	17	22	13	19	8	19	21	15	10	12	9	6	5	11	12	14	35	67	89	81	53	63	28
4	54	48	44	42	41	36	34	38	42	38	25	32	28	30	28	23	39	28	30	29	37	32	19	13	34
5	21	19	24	15	22	19	18	20	27	11	24	32	13	7	10	29	34	31	13	32	32	42	38	56	25
6	51	37	33	19	21	31	25	26	17	25	25	39	51	48	48	62	68	74	82	84	81	72	69	22	46
7	54	35	27	24	18	25	38	20	13	18	27	37	46	28	46	51	64	84	39	14	17	15	12	8	32
8	7	8	4	8	16	18	17	12	20	33	25	26	24	18	6	7	21	75	105	102	99	100	92	97	39
9	85	72	82	81	78	82	78	73	48	30	22	23	45	60	67	65	46	54	48	48	61	93	55	36	60
10	26	15	20	21	21	16	25	19	16	11	8	8	12	13	10	21	22	26	21	21	17	17	30	26	18
11	26	M	18	30	25	26	23	23	20	28	24	24	21	28	44	34	44	33	92	103	94	65	36	57	40
12	52	34	21	17	22	18	22	33	34	37	43	51	54	50	47	49	56	41	35	27	25	20	22	20	35
13	14	14	22	17	12	15	15	18	34	37	48	56	58	50	56	36	72	33	36	35	74	83	80	78	41
14	71	55	23	14	8	10	18	54	79	81	93	91	77	51	32	20	35	67	89	117	84	85	80	69	58
15	24	40	24	21	17	54	32	14	16	20	14	13	10	13	13	11	10	9	13	42	49	66	92	86	29
16	81	76	74	72	56	59	52	52	35	54	46	37	17	9	9	8	13	16	20	21	15	15	10	28	36
17	33	19	15	20	18	23	18	19	17	14	12	15	13	12	15	14	11	13	11	15	18	18	21	40	18
18	40	32	29	20	11	22	16	15	15	12	10	12	15	18	26	34	25	34	43	32	30	35	25	40	25
19	51	48	44	27	38	28	47	36	28	48	30	12	15	23	26	30	42	48	49	43	39	39	40	44	36
20	47	53	27	27	28	38	58	40	39	20	14	19	12	16	23	30	36	23	23	16	19	83	72	40	33
21	51	36	26	33	34	23	18	23	34	38	29	39	44	30	24	33	26	23	34	37	27	35	33	47	32
22	31	24	20	13	16	14	14	13	13	21	23	18	12	15	17	19	25	19	14	17	31	21	17	14	18
23	12	19	40	22	8	13	21	20	24	26	35	50	54	49	28	15	19	18	24	16	15	15	18	23	24
24	19	23	28	25	19	17	19	17	24	27	22	17	10	9	7	9	9	13	22	32	18	15	11	25	18
25	34	M	32	12	13	21	26	17	31	24	21	32	35	45	55	41	27	20	22	25	21	24	22	23	27
26	22	15	15	18	15	19	33	55	71	69	20	16	31	15	32	76	55	50	69	60	40	54	72	88	42
27	73	54	43	45	44	48	53	51	49	53	43	D	D	D	D	83	70	97	108	103	100	89	86	104	70
28	101	94	93	87	71	68	99	72	14	14	17	21	27	10	13	9	11	17	23	18	14	13	10	18	39
29	19	51	41	30	15	27	38	67	47	41	24	32	16	23	29	24	42	36	44	21	22	13	20	15	31
30	11	9	14	10	9	16	5	7	9	9	9	10	11	9	19	14	12	15	18	13	7	11	12	18	12
31	15	16	12	10	14	19	65	47	44	40	28	24	14	10	15	17	20	30	40	42	37	27	14	22	26

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
27	25	33	25	69	83	94	101	4	-	117	12	-	70	2	99	0	

NOTES: 1. FLAGS FOR INVALID DATA :
D: DYNAMIC CALIBRATION
T: TELEMETRY/DATALOGGR FAULT
M: MAINTENANCE OR ANALYZER FAULT
P: POWER FAILURE

Appendix C Summary Results on Water Quality Monitoring

LAMMA POWER STATION FGD WASTEWATER TREATMENT PLANT EFFLUENT DISCHARGE TO ASH LAGOON SUSPENDED SOLIDS AND PH

Period : January – March 2015

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
03/01/15	2*	14	12	13	8.2	7.9	8.1
10/01/15	3*	16	10	13	8.2	7.8	8.0
17/01/15	4*	18	12	15	8.3	7.8	8.0
24/01/15	5*	20	15	18	8.2	7.9	8.1
31/01/15	4*	18	11	14	8.1	8.0	8.1
07/02/15	5*	22	10	16	8.1	7.9	8.0
14/02/15	7	22	14	18	8.2	7.6	7.9
21/02/15	3*	16	12	15	8.1	8.1	8.1
28/02/15	4*	20	14	17	8.2	8.1	8.1
07/03/15	5*	20	12	17	8.2	8.0	8.1
14/03/15	4*	19	10	15	8.2	8.0	8.1
21/03/15	4*	16	11	13	8.2	8.1	8.1
28/03/15	6*	22	13	17	8.2	8.0	8.1

Remark :

* - No sampling for the remaining day(s) of the week / no sampling due to no discharge

LAMMA POWER STATION
FGD WASTEWATER TREATMENT PLANT
EFFLUENT DISCHARGE TO ASH LAGOON
TRACE METAL, TOTAL PHOSPHORUS
AND TOTAL NITROGEN ANALYSIS

Period : January – March 2015

Sampling date		6/1/2015	3/2/2015	5/3/2015
Barium,	ug/L	<150	<150	160
Mercury,	ug/L	<0.5	<0.5	<0.5
Cadmium,	ug/L	<1	<1	<1
Iron,	ug/L	<400	<400	<400
Total Phosphorous,	mg/L	<0.8	<0.8	<0.8
Total Nitrogen,	mg/L	78	45	105
Cyanide,	mg/L	<0.01	0.02	<0.01

Remark:

According to the WPCO Ash Lagoon Discharge Licence, contents at exact levels of trace metals below 1/10 th of the WPCO Licence permitted limits will not be reported. When the concentration of a metal exceeds 1/10 th of the limit, the exact value of the metal concentration will be reported.

Appendix D Summary of EMIS

EM&A Log Ref.	Mitigation Measures	Implementation Status
	GENERAL	
A1	No other process, except the Wet Limestone-Gypsum process used in the FGD plants of the coal-fired Units L6, L7 and L8 within the Lamma Power Station, shall be used in the FGD plants for the projects unless otherwise agreed by EPD.	Complied
	WATER QUALITY	
B1	All wastewater arising from the operation of the projects shall be collected and directed to the existing wastewater treatment plant within the Lamma Power Station for treatment.	Complied
B2	The operational plant effluent from the FGD plants should be reused as much as possible in order to minimise discharge to the WWTP.	Complied
B3	Maintenance of the WWTP should be performed regularly to ensure the effluent from the WWTP would not exceed the current requirements stipulated in the WPCO licence for Ash Lagoon.	Complied
	WASTE	
C1	No gypsum or sludge arising from the operation of the projects shall be disposed of anywhere. All gypsum and sludge shall be collected and reused.	Complied
	NOISE	
D1	Equipment including the Absorber Recirculation Pump, Oxidation Air Blower, Booster Fan and Booster Fan Motor of the FGD plants shall be acoustically insulated and the Gas-Gas Heater (untreated side) of the FGD plants shall be provided with reinforced lagging to reduce the noise impact.	Complied