

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**

**July – September 2020**

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 (July to September 2020)
Date	24 December 2020
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 July to September 2020.

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 fully available in the reporting period.

### Malfunction/Outage Records of Pollution Control Equipment

There were no major outages of the Pollution Control Equipment during the reporting period.

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(12)	01/01/2019	31/12/2020	HK Electric	17/12/2018
WPCO discharge licence for	WT00027218-2017	24/02/2017	31/12/2021	HK Electric	24/02/2017

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
Ash Lagoon					

### **Implementation Status of Environmental Mitigation Measures**

Environmental mitigation measures were implemented in the reporting period.

### **Environmental Complaints / Feedback Cases**

During the reporting period, there were four environmental feedback cases regarding the operation of Lamma Power Station (LPS) as detailed in Section 4.6. All the reported issues were satisfactorily addressed.

### **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 July to September 2020.

### 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 fully available in the reporting period.

### 1.4 Malfunction/Outage Records of Pollution Control Equipment

Equipment	Period	Cause	Actions Taken
L4 FGD	01:40 on 11/07/2020 to 01:42 on 11/07/2020	Routine Dampers Exercise	EPD was informed on 13/07/2020
L4 FGD	02:26 on 18/07/2020 to 01:22 on 18/07/2020	Routine Dampers Exercise	EPD was informed on 27/07/2020
L4 FGD	01:49 on 02/08/2020 to 01:58 on 02/08/2020	Routine Dampers Exercise	EPD was informed on 31/08/2020
L5 FGD	02:14 on 04/07/2020 to 02:19 on 04/07/2020	Routine Dampers Exercise	EPD was informed on 13/07/2020
L5 FGD	01:43 on 11/07/2020 to 01:46 on 11/07/2020	Routine Dampers Exercise	EPD was informed on 13/07/2020
L5 FGD	02:31 on 18/07/2020 to 02:33 on 18/07/2020	Routine Dampers Exercise	EPD was informed on 27/07/2020
L5 FGD	01:26 on 08/08/2020 to 01:29 on 08/08/2020	Routine Dampers Exercise	EPD was informed on 31/08/2020
L5 FGD	04:56 on 15/08/2020 to 05:00 on 15/08/2020	Routine Dampers Exercise	EPD was informed on 31/08/2020
L5 FGD	03:03 on 12/09/2020 to 03:06 on 12/09/2020	Routine Dampers Exercise	EPD was informed on 29/09/2020
L5 FGD	03:59 on 19/09/2020 to 04:02 on 19/09/2020	Routine Dampers Exercise	EPD was informed on 29/09/2020
L5 FGD	01:46 on 26/09/2020 to 01:49 on 26/09/2020	Routine Dampers Exercise	EPD was informed on 29/09/2020

## 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.

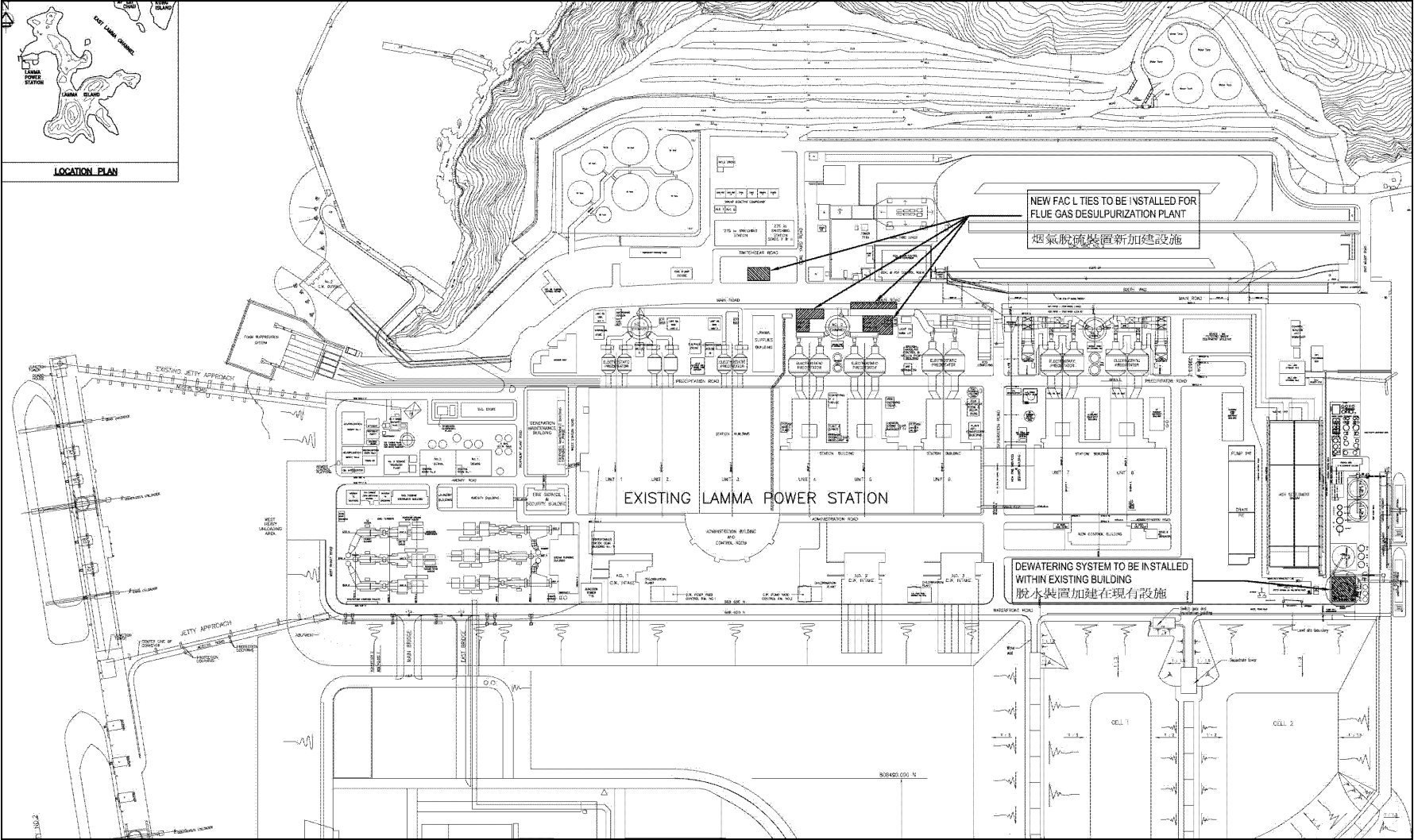


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

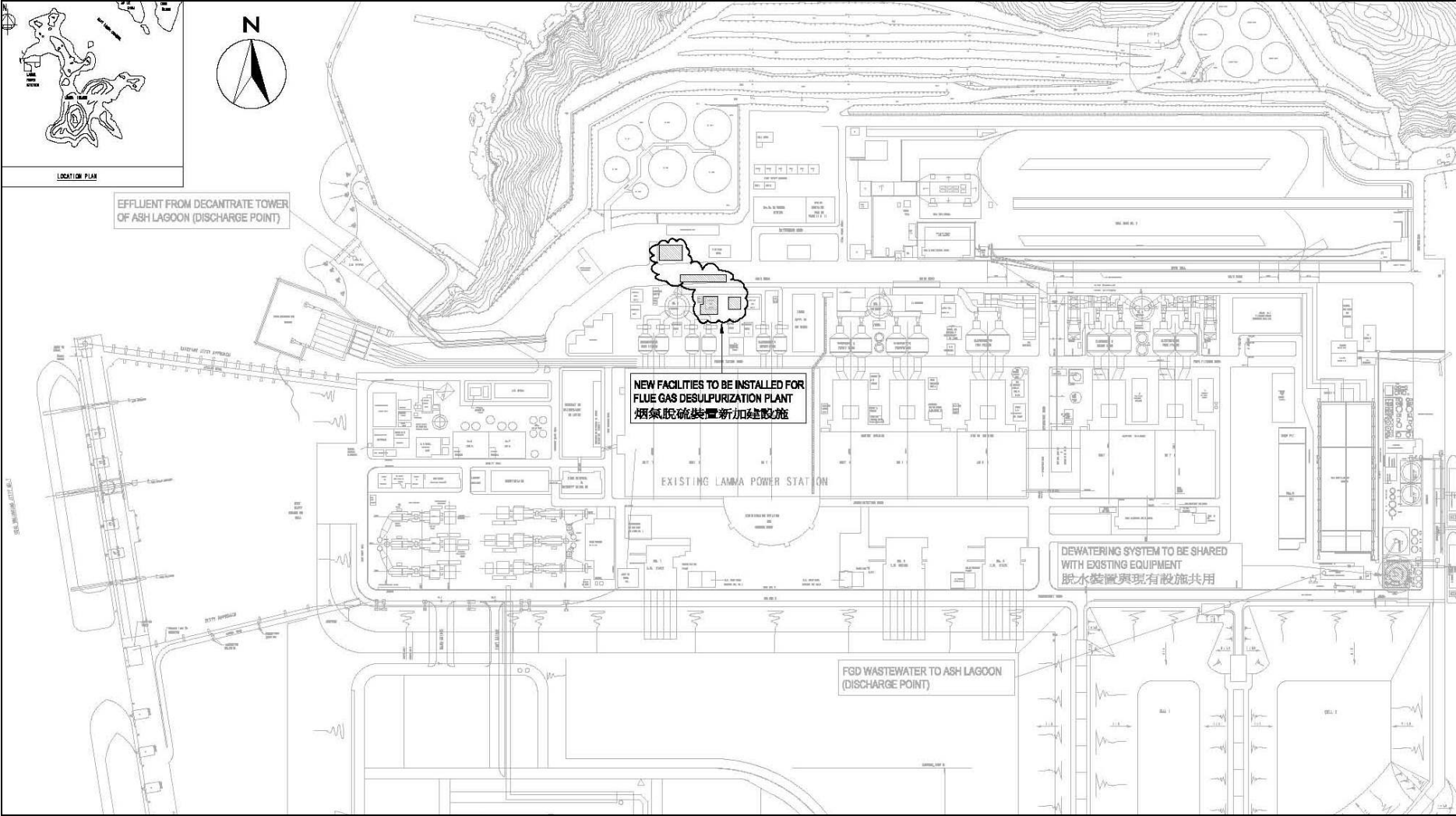


Figure 1.1b Location of New Facilities for L2 FGD Plant

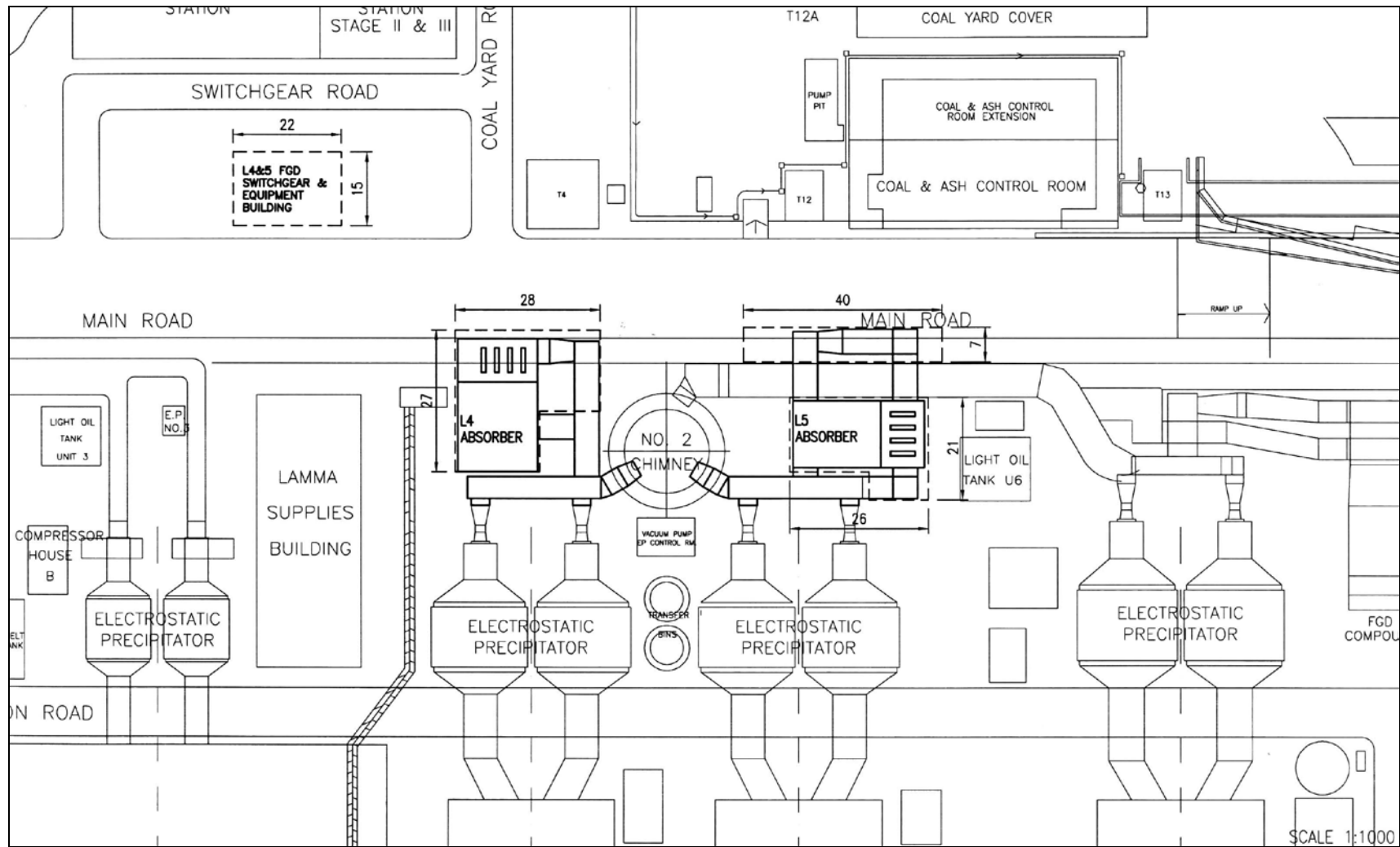


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

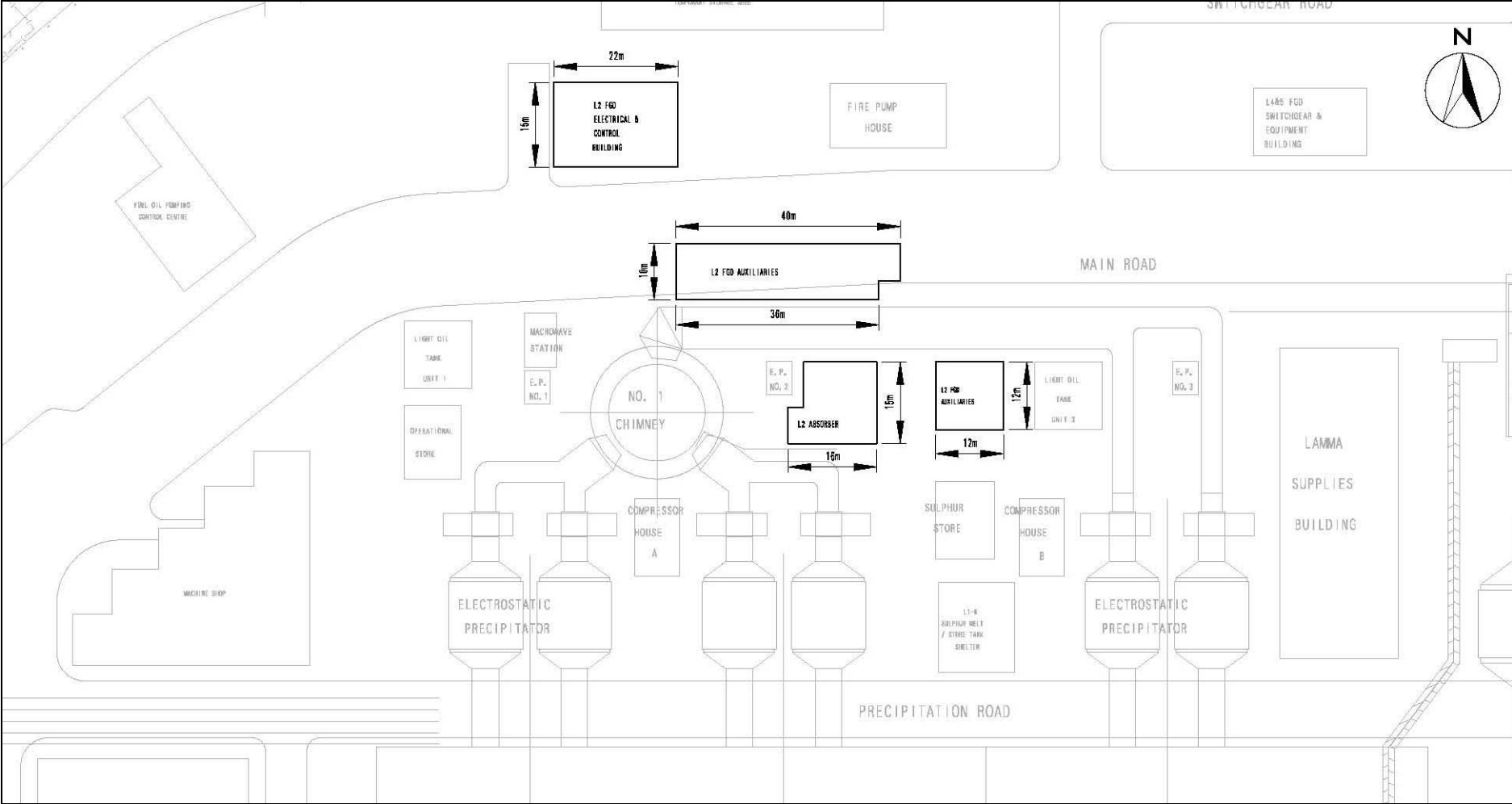


Figure 1.2b General Arrangement of L2 FGD Plant

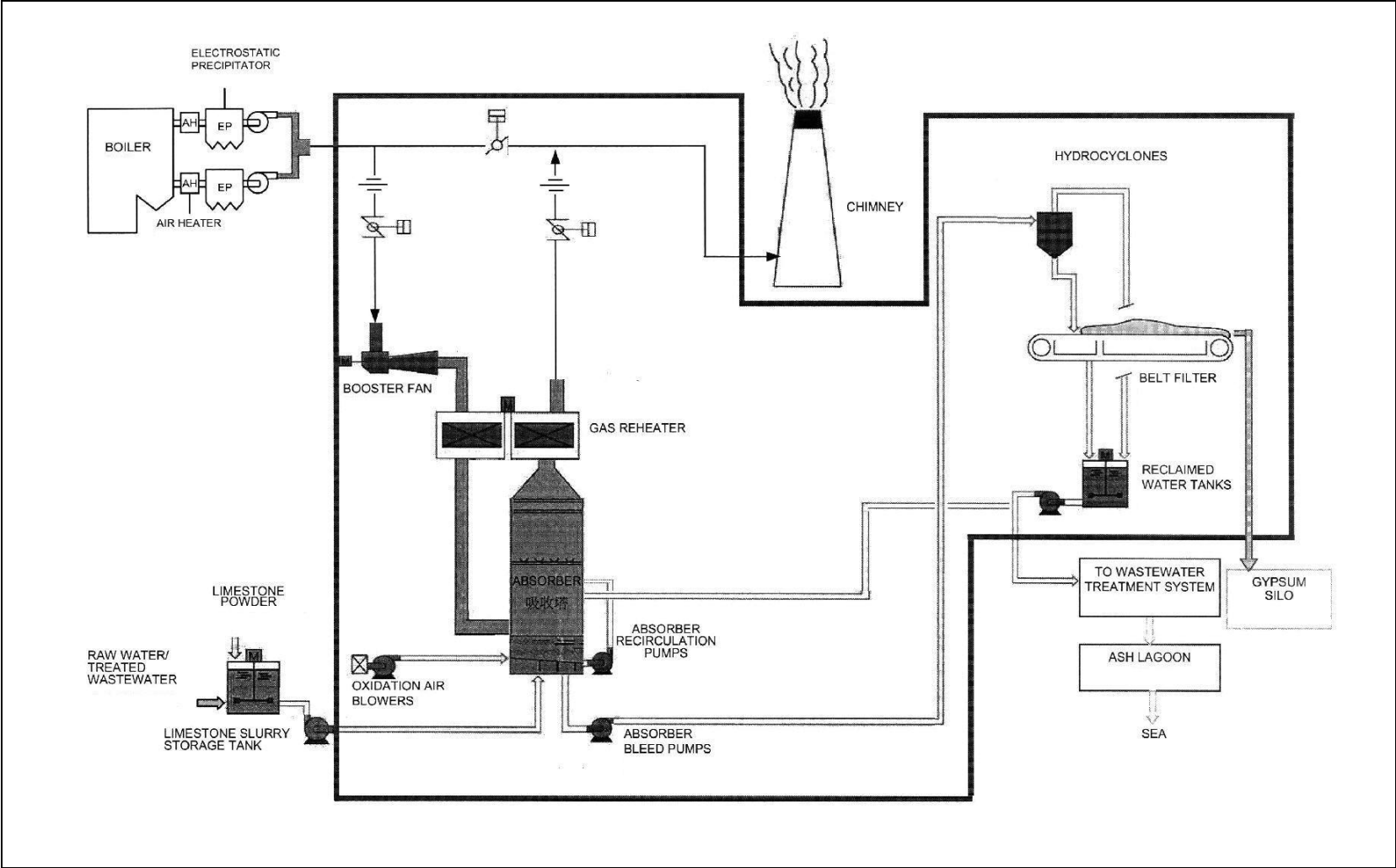


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

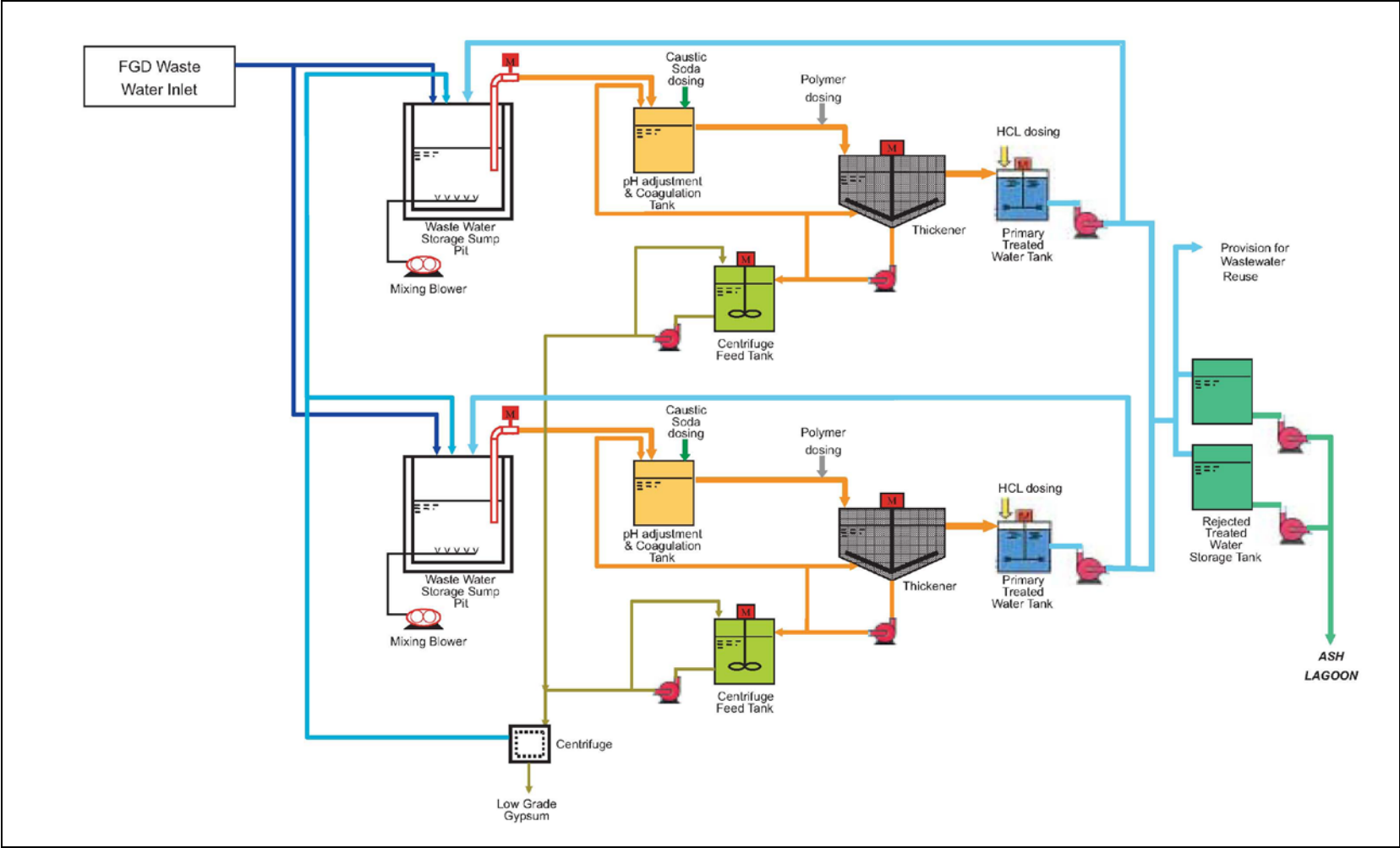


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

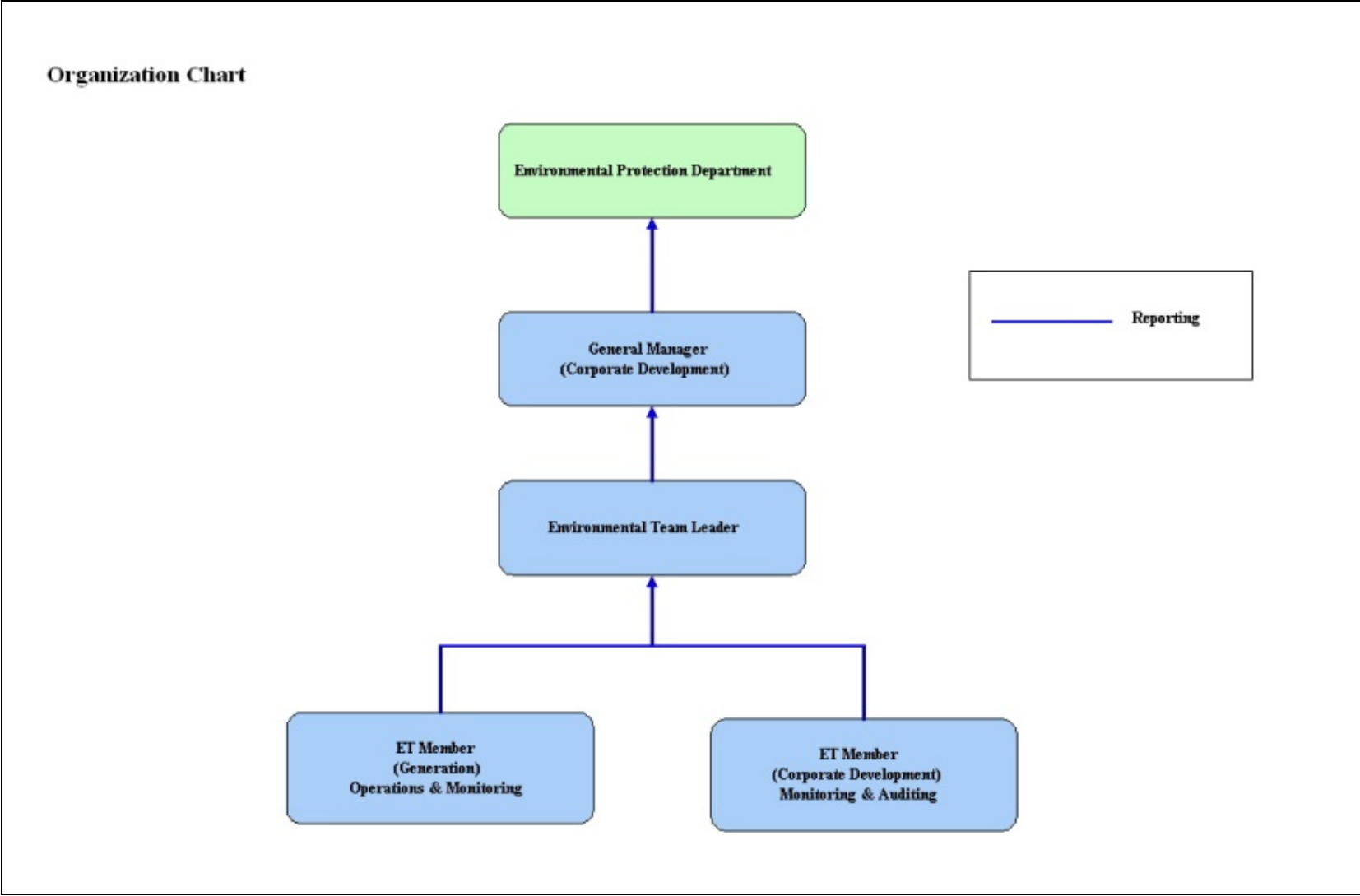


Figure 1.5 Organization Structure at Operational Phase of the Projects

## 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. Total Suspended Particulate (TSP) monitoring at East Gate and Reservoir area of Lamma Power Station is no longer required under the current SP Licence L-7-002(12) commencing from January 2019. It is agreed with EPD that the results of continuous Respirable Suspended Particulate (RSP) monitoring at Lamma Power Station would be reported. 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. Those parameters have to be checked against the Action/Limit Levels are 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 <sub>2</sub>	Continuous
	NO <sub>x</sub> expressed as NO <sub>2</sub> (For L4 and L5 only)	Continuous
Fugitive Dust (Coal, PFA, Limestone, gypsum)	Respirable Suspended Particulate	Continuous
Chimney emissions	Ambient air	Continuous at existing ambient air monitoring stations
	SO <sub>2</sub>	
	NO <sub>2</sub>	

### 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.	01/07/20-30/09/20	N.A.	0	No PM stack sampling tests were conducted in the reporting period.
2	Continuous monitoring of opacity, NOx, SO2 and CO2 in the flue gas at the chimney stacks	01/07/20-30/09/20	0	0	
3	Ambient SO2 & NOx monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and Cheung Chau.	01/07/20-30/09/20	0	0	
Water					
1	pH in WWTP Effluent	01/07/20-30/09/20	0	0	
2	Suspended Solids in WWTP Effluent	01/07/20-30/09/20	0	0	

Item	Parameter Monitored	Monitoring Period	No. of Exceedances In		Event/Action Plan Implementation Status and Results
			Action Level	Limit Level	
3	Iron in WWTP Effluent	01/07/20-30/09/20	0	0	
4	Barium in WWTP Effluent	01/07/20-30/09/20	0	0	
5	Mercury in WWTP Effluent	01/07/20-30/09/20	0	0	
6	Cadmium in WWTP Effluent	01/07/20-30/09/20	0	0	
7	Cyanide in WWTP Effluent	01/07/20-30/09/20	0	0	
8	Total Phosphorus in WWTP Effluent	01/07/20-30/09/20	0	0	
9	Total Nitrogen in WWTP Effluent	01/07/20-30/09/20	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
July 2020	6026.09 MT	49.78 MT
August 2020	1,508.69 MT	43.58 MT
September 2020	4,521.95 MT	43.47 MT

### **4.3 Status of Environmental Licensing and Permitting**

All permits/licenses obtained as of September 2020 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(12)	01/01/2019	31/12/2020	Valid
WPCO discharge licence for Ash Lagoon	WT00027218-2017	24/02/2017	31/12/2021	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 were four environmental feedback cases regarding the operation of Lamma Power Station (LPS) as listed in Table 4.4. All the reported issues were satisfactorily addressed.

Table 4.4 Environmental Complaint(s) / Feedback Cases(s) Received

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions / Actions Taken	Conclusion / Status
<i>Reference:</i> LFB20200701	The resident reported that there was loud motor noise from LPS. After an investigation, it was	The resident's concern was settled and the

<p><i>Received:</i>                  On 02/07/2020 (pm)                  from a Lamma resident</p> <p><i>Concerned:</i>                  Recently</p>	<p>suspected that the issue was due to the operation of an ash barge and actions were taken immediately to reduce the noise. A visit was paid to the enquirer's home on 03/07/2020 to verify the noise source and the enquirer was satisfied with the follow-up actions. The ash barge would not be allowed to offtake ash from LPS until its noise problem is rectified.</p>	<p>case was closed.</p>
<p><i>Reference:</i>                  LFB20200801</p> <p><i>Received:</i>                  On 12/08/2020 (am)                  from a Lamma resident</p> <p><i>Concerned:</i>                  As received</p>	<p>The resident heard some loud noise apparently coming from the direction of LPS. The resident knew that HK Electric had a dredging project and asked if the noise was generated from the dredging activities. There was no dredging work on that morning and nothing abnormal was identified at LPS. The resident was advised of the findings and was satisfied.</p>	<p>Nothing abnormal was identified. A reply was made to the enquirer and the case was closed.</p>
<p><i>Reference:</i>                  LFB20200901</p> <p><i>Received:</i>                  On 03/09/2020 (pm)                  from EPD</p> <p><i>Concerned:</i>                  On 01/09/2020</p>	<p>EPD received a report from a public member on discharge (with oil) from LPS. Comprehensive checks of the plant operations, activities and records were immediately carried out. No abnormal operation/activity that could have led to the reported incident was identified. EPD was advised of the findings accordingly.</p>	<p>Nothing abnormal was identified. A reply was made to the EPD and the case was closed.</p>
<p><i>Reference:</i>                  LFB20200902</p> <p><i>Received:</i>                  On 11/09/2020 (am)                  from a gentleman</p> <p><i>Concerned:</i>                  As received</p>	<p>The gentleman reported that the chimney of LPS was emitting black smoke. After an investigation, no abnormal operation/activity that could have caused any excessive smoke emission during the concerned period was found. The relevant emission data was also checked normal. The enquirer accepted the explanation.</p>	<p>Nothing abnormal was identified. A reply was made to the enquirer and the case was closed.</p>

Table 4.5 Outstanding Environmental Complaint(s) / Feedback Case(s) 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 planned in the coming 3 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 July to September 2020. 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.

During the reporting period, there were four environmental feedback cases regarding the operation of Lamma Power Station (LPS) as detailed in Section 4.6. All the reported issues were satisfactorily addressed.

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	once/year	50 mg/Nm <sup>3</sup>	-	50	ET Leader informs Generation Division at action level. Maintenance initiated. Temporary load shift until pollution control equipment repaired and reinstated. Report to EPD.
	Particulate (Opacity)	continuous	40% (bihourly)	35	40	
	SO <sub>2</sub>	continuous	200 mg/Nm <sup>3</sup> (1h)	190	200	
	NO <sub>x</sub> expressed as NO <sub>2</sub> (For L4 and L5 only)	continuous	615 mg/Nm <sup>3</sup> (1h)	585	615	
Chimney emissions	Ambient air SO <sub>2</sub>	Continuous at existing ambient air monitoring stations	800 (µg/m <sup>3</sup> ) (1h)	-	800	ET to review data on post-hoc basis and check for possible power station contribution.
	NO <sub>2</sub>		300 (µg/m <sup>3</sup> ) (1h)	-	300	

## 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.  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.
	Suspended Solids	Daily	30 mg/L	25	30	
	Iron	Monthly	4 mg/L	3.6	4	
	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 Respirable Suspended Particulate Monitoring at Lamma Power Station

Date: Third Quarter of 2020 (July – September)

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/07/2020	9	11
02/07/2020	##	##
03/07/2020	11	22
04/07/2020	12	22
05/07/2020	13	19
06/07/2020	14	19
07/07/2020	15	34
08/07/2020	15	46
09/07/2020	15	38
10/07/2020	16	27
11/07/2020	13	25
12/07/2020	12	10
13/07/2020	11	17
14/07/2020	11	35
15/07/2020	10	25
16/07/2020	13	22
17/07/2020	16	19
18/07/2020	12	15
19/07/2020	11	21
20/07/2020	11	6
21/07/2020	11	10
22/07/2020	11	11
23/07/2020	9	11
24/07/2020	10	15
25/07/2020	9	15
26/07/2020	11	20
27/07/2020	14	19
28/07/2020	20	7
29/07/2020	10	11
30/07/2020	12	11
31/07/2020	17	16

Remark: ## - No valid daily average of RSP due to equipment fault

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/08/2020	13	15
02/08/2020	10	21
03/08/2020	8	10
04/08/2020	8	16
05/08/2020	9	16
06/08/2020	10	36
07/08/2020	11	25
08/08/2020	10	18
09/08/2020	9	13
10/08/2020	8	14
11/08/2020	10	22
12/08/2020	11	9
13/08/2020	11	23
14/08/2020	10	17
15/08/2020	16	11
16/08/2020	10	14
17/08/2020	11	12
18/08/2020	14	19
19/08/2020	10	24
20/08/2020	11	20
21/08/2020	20	23
22/08/2020	21	35
23/08/2020	15	23
24/08/2020	15	33
25/08/2020	14	36
26/08/2020	14	26
27/08/2020	15	24
28/08/2020	17	26
29/08/2020	22	36
30/08/2020	27	33
31/08/2020	14	18

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/09/2020	23	41
02/09/2020	24	53
03/09/2020	22	47
04/09/2020	16	26
05/09/2020	13	14
06/09/2020	10	18
07/09/2020	9	19
08/09/2020	9	18
09/09/2020	9	18
10/09/2020	9	20
11/09/2020	7	14
12/09/2020	10	17
13/09/2020	10	20
14/09/2020	11	19
15/09/2020	8	21
16/09/2020	8	23
17/09/2020	8	29
18/09/2020	8	30
19/09/2020	7	20
20/09/2020	8	20
21/09/2020	7	15
22/09/2020	12	25
23/09/2020	11	22
24/09/2020	10	20
25/09/2020	13	22
26/09/2020	14	28
27/09/2020	11	28
28/09/2020	11	20
29/09/2020	10	23
30/09/2020	11	20

## 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) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/7/2020	30	313	12
2/7/2020	45	302	13
3/7/2020	55	309	12
4/7/2020	30	309	13
5/7/2020	13	367	13
6/7/2020	18	330	13
7/7/2020	19	369	14
8/7/2020	27	344	13
9/7/2020	42	307	12
10/7/2020	21	365	12
11/7/2020	17	326	12
12/7/2020	18	335	13
13/7/2020	13	395	13
14/7/2020	21	365	14
15/7/2020	14	306	12
16/7/2020	14	287	12
17/7/2020	15	293	13
18/7/2020	21	324	13
19/7/2020	17	319	13
20/7/2020	16	291	12
21/7/2020	19	268	13
22/7/2020	21	308	13
23/7/2020	15	276	12
24/7/2020	15	293	12
25/7/2020	16	305	12
26/7/2020	*	*	*
27/7/2020	16	304	13
28/7/2020	19	282	13
29/7/2020	23	313	13
30/7/2020	22	366	13
31/7/2020	22	338	13

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/8/2020	35	312	12
2/8/2020	20	323	12
3/8/2020	29	359	13
4/8/2020	31	413	13
5/8/2020	21	383	13
6/8/2020	17	310	12
7/8/2020	17	310	12
8/8/2020	30	321	12
9/8/2020	22	299	11
10/8/2020	27	357	12
11/8/2020	24	317	12
12/8/2020	17	398	12
13/8/2020	19	306	11
14/8/2020	19	323	12
15/8/2020	16	324	12
16/8/2020	20	298	11
17/8/2020	19	325	12
18/8/2020	19	311	11
19/8/2020	21	298	12
20/8/2020	18	291	12
21/8/2020	27	355	12
22/8/2020	16	301	12
23/8/2020	55	322	12
24/8/2020	50	370	12
25/8/2020	25	317	12
26/8/2020	20	304	12
27/8/2020	23	312	12
28/8/2020	17	294	12
29/8/2020	*	*	*
30/8/2020	*	*	*
31/8/2020	18	348	12

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/9/2020	25	300	12
2/9/2020	29	390	12
3/9/2020	26	369	12
4/9/2020	28	353	12
5/9/2020	20	275	12
6/9/2020	35	383	12
7/9/2020	34	309	12
8/9/2020	40	290	12
9/9/2020	52	337	13
10/9/2020	51	341	12
11/9/2020	36	315	12
12/9/2020	35	326	12
13/9/2020	39	338	12
14/9/2020	36	353	11
15/9/2020	34	411	12
16/9/2020	44	395	12
17/9/2020	31	430	12
18/9/2020	26	376	12
19/9/2020	25	384	13
20/9/2020	23	311	12
21/9/2020	24	309	11
22/9/2020	24	305	12
23/9/2020	21	380	13
24/9/2020	22	389	12
25/9/2020	25	315	12
26/9/2020	31	370	11
27/9/2020	30	353	11
28/9/2020	59	375	12
29/9/2020	25	305	11
30/9/2020	25	415	13

Note: # - Hourly average value. Expressed as at 0°C, 101.325kPa, dry and corrected to 12% CO<sub>2</sub> condition.

\* - Unit L5 was not on load

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

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/7/2020	*	*	*
2/7/2020	51	281	9
3/7/2020	33	354	9
4/7/2020	85	357	9
5/7/2020	21	283	8
6/7/2020	16	305	11
7/7/2020	24	363	12
8/7/2020	18	321	10
9/7/2020	59	332	12
10/7/2020	57	346	11
11/7/2020	47	303	12
12/7/2020	40	266	11
13/7/2020	34	316	11
14/7/2020	38	319	11
15/7/2020	43	322	10
16/7/2020	42	317	9
17/7/2020	35	292	10
18/7/2020	46	293	12
19/7/2020	21	219	12
20/7/2020	26	259	11
21/7/2020	37	312	12
22/7/2020	46	317	11
23/7/2020	27	222	12
24/7/2020	25	275	9
25/7/2020	33	331	9
26/7/2020	36	221	10
27/7/2020	22	246	11
28/7/2020	22	354	11
29/7/2020	42	297	11
30/7/2020	35	335	12
31/7/2020	22	276	11

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/8/2020	23	324	11
2/8/2020	20	325	12
3/8/2020	41	312	11
4/8/2020	24	368	15
5/8/2020	*	*	*
6/8/2020	28	281	12
7/8/2020	141	334	18
8/8/2020	25	292	11
9/8/2020	47	299	12
10/8/2020	51	370	20
11/8/2020	36	310	13
12/8/2020	21	319	11
13/8/2020	24	306	11
14/8/2020	29	304	15
15/8/2020	32	371	12
16/8/2020	*	*	*
17/8/2020	29	281	12
18/8/2020	30	296	11
19/8/2020	21	328	9
20/8/2020	23	324	11
21/8/2020	*	*	*
22/8/2020	*	*	*
23/8/2020	30	238	18
24/8/2020	63	344	15
25/8/2020	40	347	15
26/8/2020	38	380	12
27/8/2020	34	296	12
28/8/2020	31	314	14
29/8/2020	24	320	17
30/8/2020	45	285	16
31/8/2020	35	321	14

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/9/2020	33	333	15
2/9/2020	27	330	14
3/9/2020	43	325	14
4/9/2020	18	343	13
5/9/2020	19	300	11
6/9/2020	80	391	15
7/9/2020	88	377	9
8/9/2020	49	299	13
9/9/2020	114	328	7
10/9/2020	*	*	*
11/9/2020	52	249	8
12/9/2020	58	372	13
13/9/2020	43	414	12
14/9/2020	25	347	10
15/9/2020	61	285	11
16/9/2020	32	348	8
17/9/2020	63	303	10
18/9/2020	*	*	*
19/9/2020	*	*	*
20/9/2020	*	*	*
21/9/2020	68	317	12
22/9/2020	35	308	8
23/9/2020	42	293	9
24/9/2020	21	282	9
25/9/2020	19	336	9
26/9/2020	31	326	9
27/9/2020	18	308	10
28/9/2020	19	297	9
29/9/2020	*	*	*
30/9/2020	*	*	*

Note: # - Hourly average value. Expressed as at 0°C, 101.325kPa, dry and corrected to 12% CO<sub>2</sub> condition.

\* - Unit L4 was not on load.

### B.2.3 Monthly Summary of Stack SO<sub>2</sub> for Unit L2

Date	Daily Maximum	
	SO <sub>2</sub> concentration (mg/Nm <sup>3</sup> ) <sup>#</sup>	Opacity (%)
1/7/2020	*	*
2/7/2020	*	*
3/7/2020	*	*
4/7/2020	*	*
5/7/2020	*	*
6/7/2020	49	19
7/7/2020	52	21
8/7/2020	32	19
9/7/2020	59	20
10/7/2020	61	19
11/7/2020	42	19
12/7/2020	*	*
13/7/2020	45	18
14/7/2020	50	18
15/7/2020	*	*
16/7/2020	*	*
17/7/2020	38	18
18/7/2020	*	*
19/7/2020	*	*
20/7/2020	*	*
21/7/2020	*	*
22/7/2020	*	*
23/7/2020	*	*
24/7/2020	31	18
25/7/2020	*	*
26/7/2020	*	*
27/7/2020	*	*
28/7/2020	*	*
29/7/2020	*	*
30/7/2020	*	*
31/7/2020	46	25

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/8/2020	*	*
2/8/2020	*	*
3/8/2020	*	*
4/8/2020	*	*
5/8/2020	*	*
6/8/2020	31	21
7/8/2020	35	17
8/8/2020	*	*
9/8/2020	*	*
10/8/2020	*	*
11/8/2020	*	*
12/8/2020	*	*
13/8/2020	*	*
14/8/2020	31	16
15/8/2020	*	*
16/8/2020	*	*
17/8/2020	*	*
18/8/2020	*	*
19/8/2020	*	*
20/8/2020	*	*
21/8/2020	34	18
22/8/2020	*	*
23/8/2020	*	*
24/8/2020	*	*
25/8/2020	*	*
26/8/2020	*	*
27/8/2020	*	*
28/8/2020	31	18
29/8/2020	*	*
30/8/2020	*	*
31/8/2020	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/9/2020	*	*
2/9/2020	*	*
3/9/2020	37	16
4/9/2020	*	*
5/9/2020	*	*
6/9/2020	*	*
7/9/2020	*	*
8/9/2020	*	*
9/9/2020	*	*
10/9/2020	34	19
11/9/2020	*	*
12/9/2020	*	*
13/9/2020	*	*
14/9/2020	*	*
15/9/2020	*	*
16/9/2020	*	*
17/9/2020	*	*
18/9/2020	48	21
19/9/2020	*	*
20/9/2020	*	*
21/9/2020	*	*
22/9/2020	*	*
23/9/2020	*	*
24/9/2020	*	*
25/9/2020	42	17
26/9/2020	*	*
27/9/2020	*	*
28/9/2020	*	*
29/9/2020	47	18
30/9/2020	51	17

Note: # - Hourly average value. Expressed as at 0°C, 101.325kPa, dry and corrected to 12% CO<sub>2</sub> condition.

\* - Unit L2 was not on load.

#### **B.2.4 Summary of Annual Stack Particulate Sampling**

No annual stack particulate samplings were conducted in the period July 2020 to September 2020.

### **B.3 Ambient SO<sub>2</sub> and NO<sub>2</sub> monitoring Data at Southern District and Cheung Chau**

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

STATION : VICTORIA PEAK  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	2	0
3	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
4	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0
5	0	0	0	0	0	0	0	0	0	1	1	3	2	1	1	1	0	0	0	0	0	0	0	1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0
7	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	2	1	0	1	1	1	2	2	1	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	2	0
9	0	0	0	0	0	0	0	1	2	1	0	0	0	1	1	2	1	1	0	0	0	0	0	1	0
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
11	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	0	0	0	0	1	0
12	0	0	0	0	0	0	0	0	0	1	0	2	5	2	2	4	3	2	2	0	1	1	M	0	1
13	1	0	0	0	0	0	1	1	1	2	0	0	2	3	2	3	3	5	1	0	1	1	1	2	1
14	1	1	1	1	0	1	1	4	5	5	11	6	2	2	3	2	2	2	1	0	1	1	1	2	2
15	1	1	1	1	1	0	1	0	1	1	2	2	3	1	1	1	1	1	1	2	1	2	1	2	1
16	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	1	2	3	2	1	1	1	1	1	1
17	0	1	1	0	1	1	1	1	1	5	2	2	1	2	1	3	2	3	1	1	1	1	0	2	1
18	1	0	0	0	0	1	0	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	1	2	1
19	1	0	1	1	1	0	0	1	1	1	1	0	1	1	1	2	0	1	1	1	1	1	1	2	1
20	1	0	1	0	0	0	0	1	1	1	1	1	1	2	4	2	1	1	1	1	1	2	1	2	1
21	1	1	1	1	0	0	0	0	0	1	1	0	0	1	1	2	1	1	1	0	0	0	0	2	1
22	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	1	0	0	2	1
23	0	0	1	1	1	1	0	1	1	1	1	2	2	2	2	2	3	2	2	1	0	1	1	2	1
24	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	3	3	3	2	1	1	2	9	1	2
25	1	1	0	1	1	0	0	0	1	4	3	2	3	3	4	2	1	2	2	2	2	2	2	3	2
26	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	2	1	1	2	1
27	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	3	1	1	1	1	1	1	1	2	1
28	1	1	1	1	1	0	1	1	1	1	0	0	0	3	10	4	2	2	1	1	1	1	1	2	2
29	1	1	1	1	1	1	1	1	1	1	9	5	3	3	4	3	2	2	1	2	2	1	1	2	2
30	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1
31	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	M	1	1	1	0	0	0	0	2	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		
1	1	1	1	2	3	4	5	0	-	11	0	-	2	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: JULY

STATION : VICTORIA PEAK  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	14	10	6	8	6	8	6	8	10	5	10	7	6	4	7	7	5	7	5	3	5	6	9	6	7
2	4	4	4	6	4	8	10	11	10	7	12	6	4	9	7	8	9	7	10	13	11	18	8	18	9
3	13	14	7	12	11	14	10	11	15	11	11	9	5	6	8	6	5	9	9	6	6	5	5	15	9
4	17	15	18	12	10	16	4	14	12	6	9	5	6	5	5	3	6	9	11	11	8	11	10	9	10
5	9	6	8	9	10	5	10	6	7	7	8	22	15	7	9	7	7	6	12	10	8	11	8	7	9
6	5	3	2	3	5	3	5	8	8	11	11	11	8	8	6	11	15	8	8	10	8	7	8	8	8
7	6	5	2	5	5	6	11	8	8	18	15	6	12	11	7	15	12	12	22	23	18	33	25	8	12
8	7	M	18	13	13	12	12	5	5	4	5	7	4	5	3	7	10	16	5	7	4	5	21	15	9
9	7	13	3	4	2	15	22	19	28	18	3	5	4	8	14	21	9	12	8	7	6	7	11	6	11
10	6	13	4	6	3	3	5	6	7	6	5	4	4	3	5	4	5	7	10	9	7	7	8	10	6
11	9	5	5	5	4	10	5	8	5	10	5	3	7	13	6	5	8	8	13	14	12	13	9	10	8
12	5	3	7	5	2	1	2	6	4	8	3	15	22	13	13	14	14	9	15	14	16	19	14	14	10
13	11	4	5	4	6	9	12	9	9	12	3	3	15	17	13	13	13	21	13	12	15	15	12	9	11
14	7	9	5	7	7	6	5	8	9	14	19	17	9	7	9	9	11	11	10	15	18	10	6	12	10
15	7	7	4	5	6	5	9	11	8	5	4	8	7	6	4	3	6	5	6	24	14	13	5	13	8
16	9	6	8	8	4	5	11	7	6	4	4	4	3	2	3	4	8	14	10	7	6	5	5	8	6
17	6	9	7	11	11	10	8	7	9	22	17	10	2	5	3	12	9	16	8	9	12	9	10	11	10
18	7	4	3	9	4	6	7	9	4	9	14	10	13	6	7	4	5	9	9	16	16	11	11	11	9
19	5	6	7	7	6	3	6	11	7	12	6	3	6	8	9	10	5	7	10	13	16	13	10	9	8
20	4	6	6	5	5	3	3	12	14	9	9	6	7	12	20	7	8	8	14	20	21	21	12	13	10
21	10	10	6	6	4	4	4	6	9	18	20	13	7	13	14	12	8	13	9	10	5	3	7	11	9
22	4	M	3	2	3	2	5	8	6	16	22	17	18	7	8	5	4	4	3	3	3	3	2	6	7
23	6	4	7	18	12	4	4	6	8	9	7	10	18	11	10	8	10	12	12	13	7	11	12	9	10
24	3	7	14	4	7	6	5	6	6	12	3	3	5	6	7	11	12	16	17	26	18	27	30	7	11
25	16	8	4	4	1	4	5	6	4	6	5	6	8	9	13	9	9	12	18	25	19	23	11	16	10
26	18	19	9	8	5	5	6	5	4	3	2	3	3	4	8	13	8	7	10	20	9	7	8	8	8
27	10	8	4	9	6	9	5	10	11	9	3	2	9	9	8	13	7	7	7	8	9	5	9	8	8
28	6	7	3	6	1	2	8	6	5	2	2	2	3	10	26	11	6	7	6	9	11	9	9	10	7
29	4	5	3	13	16	7	7	6	7	8	14	23	26	19	24	23	17	10	8	7	4	1	4	3	11
30	3	2	4	4	4	3	2	9	12	12	11	9	3	3	6	8	6	5	3	4	5	4	5	8	6
31	6	4	3	5	5	2	3	1	2	5	3	4	5	7	2	M	2	0	0	0	0	0	0	0	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	
7	8	9	8	15	18	22	25	0	-	33	3	-	12	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 : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2020

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

YEAR : 2020

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	9	7	10	9	8	7	10	4	5	5	8	8	6	6	6	6	11	12	13	11	10	7	8	8
2	7	6	8	6	6	10	11	6	12	6	8	5	3	8	5	7	5	9	10	8	10	19	14	12	8
3	9	6	6	6	7	8	8	9	8	8	4	13	4	6	7	7	4	10	12	4	4	3	7	11	7
4	13	15	14	13	16	11	5	9	11	7	7	11	7	6	7	14	16	19	14	15	9	10	34	22	13
5	11	13	17	19	17	17	16	14	14	13	6	13	13	14	8	12	13	18	29	26	19	21	17	12	16
6	14	16	17	10	21	19	18	18	17	17	16	13	10	8	9	11	16	16	27	31	19	21	23	24	17
7	23	25	21	24	30	24	22	18	19	17	16	13	11	10	9	13	18	13	24	30	21	12	29	26	20
8	27	M	17	15	24	27	24	15	16	7	7	7	6	11	12	10	11	14	20	15	11	11	27	21	15
9	21	23	12	10	9	14	19	14	15	15	14	16	8	11	14	15	20	24	26	24	27	28	24	26	18
10	27	27	20	20	23	23	21	20	19	15	8	11	12	13	8	12	11	15	14	15	20	19	20	19	17
11	13	14	20	16	9	8	20	20	12	14	13	13	10	9	9	10	9	10	15	17	20	24	25	22	15
12	21	16	17	25	9	12	13	15	13	10	7	6	12	10	8	11	9	8	13	17	22	15	27	25	14
13	19	26	14	15	26	13	16	19	17	19	18	14	10	10	10	12	11	12	16	21	24	27	23	17	17
14	11	14	12	14	14	20	15	8	8	9	18	17	15	12	15	21	19	18	14	20	20	13	16	12	15
15	17	19	14	14	10	7	10	9	6	5	11	16	17	13	13	11	13	11	9	17	21	20	35	32	15
16	31	31	34	29	10	9	13	18	12	8	10	13	11	7	10	11	12	17	17	21	27	15	25	31	18
17	28	31	8	10	19	16	13	10	8	9	12	7	10	12	7	9	10	12	16	25	18	15	19	18	14
18	19	19	19	19	15	11	14	12	10	9	11	14	10	8	12	7	9	16	19	15	28	20	17	10	14
19	13	26	31	18	15	10	11	14	8	10	14	17	11	11	12	11	13	16	22	18	17	23	24	22	16
20	25	17	12	13	17	23	24	28	22	18	17	12	M	12	12	11	9	16	22	21	19	14	13	12	17
21	13	11	12	12	8	5	6	6	7	22	10	6	5	5	7	4	4	5	8	11	16	13	9	8	9
22	10	M	10	7	5	5	9	8	9	11	8	5	5	3	4	4	4	5	5	7	13	11	9	9	7
23	13	8	12	14	21	20	18	11	4	8	16	17	14	10	7	7	8	11	21	32	27	31	34	31	16
24	27	14	21	26	20	21	21	14	11	15	24	21	17	20	13	19	15	22	34	29	26	26	23	22	21
25	17	11	9	14	28	29	21	18	14	14	8	15	20	19	17	14	19	20	28	28	22	17	23	23	19
26	13	15	17	11	13	14	19	17	10	11	7	8	13	18	18	17	13	12	23	19	20	24	31	28	16
27	26	12	12	8	9	13	20	20	14	11	6	5	14	5	10	10	17	17	21	30	30	27	26	27	16
28	26	19	24	17	23	22	7	11	13	9	15	19	15	7	10	8	6	15	19	25	24	25	26	27	17
29	33	29	27	30	32	27	18	6	9	10	17	17	14	15	13	13	9	11	10	10	6	6	11	5	16
30	7	5	6	6	5	2	2	3	4	4	3	2	1	1	6	3	6	5	4	3	3	4	6	6	4
31	6	4	4	4	5	2	2	1	2	2	4	2	2	1	1	3	2	2	2	4	2	3	2	2	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	
12	13	14	13	25	27	31	32	1	-	35	3	-	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  
MONTH: JULY

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	0	1	1	0	0	1	1	1	0	1	0	1	1	1	1	1	0	0	0	0	0	0	1
2	0	0	0	0	1	1	0	1	0	0	1	M	0	0	1	0	1	1	0	0	0	1	0	2	0
3	1	1	1	0	1	1	1	0	1	0	0	1	1	0	0	1	0	0	1	0	0	0	1	1	1
4	0	1	2	2	1	0	1	3	0	0	1	1	1	1	0	1	0	1	1	0	1	1	0	1	1
5	0	1	1	2	0	0	2	0	1	0	0	4	1	1	0	1	1	1	1	1	1	1	1	1	1
6	1	1	0	0	1	2	1	0	1	1	0	1	0	0	0	1	1	1	1	0	0	1	0	1	1
7	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	2	0	2	1	1
8	1	1	1	1	0	1	1	1	0	1	0	1	1	0	0	M	M	0	0	1	0	0	3	2	1
9	1	1	1	1	1	1	1	1	3	1	0	1	1	1	1	3	1	2	0	0	0	1	1	1	1
10	1	1	1	0	1	1	2	0	1	0	0	1	1	0	0	0	0	0	1	1	0	1	1	2	1
11	1	1	1	1	0	1	1	1	0	1	2	0	1	0	0	0	1	0	1	1	1	1	0	1	1
12	1	1	1	1	0	0	1	0	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	2	0	1	1	1	1	0	1	1	0	0	1	1	2	2	1
14	1	2	1	1	1	1	1	3	4	2	3	2	2	2	2	2	2	2	1	1	1	1	0	2	2
15	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	0	1	1	1	1	1	1	1	2	1
16	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	2	2	1	1	1	1	2	1
17	1	2	1	2	1	1	0	1	0	3	2	2	1	2	1	3	2	2	2	1	1	1	1	2	1
18	1	1	1	1	1	1	0	1	1	2	1	0	5	1	1	1	1	1	1	1	1	0	0	2	1
19	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	2	1
20	1	1	1	1	1	0	0	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
21	1	1	0	1	1	1	1	2	4	3	4	1	1	2	2	1	1	1	0	0	0	0	0	1	1
22	0	1	1	0	0	0	0	0	1	1	5	2	2	2	2	0	0	0	0	0	1	1	0	1	1
23	0	0	1	2	2	1	1	1	1	2	2	3	2	3	1	3	1	1	1	1	1	2	1	2	1
24	1	1	1	1	1	0	1	1	1	2	0	1	1	2	3	2	2	2	2	1	2	1	0	2	1
25	1	1	1	1	1	1	1	0	0	2	4	3	2	2	3	1	2	1	2	2	1	1	1	2	2
26	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
27	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	3	1
28	0	1	0	1	0	1	1	1	1	1	0	1	1	2	2	1	1	1	1	1	1	1	1	3	1
29	1	1	1	2	1	1	1	0	1	2	1	2	2	3	4	2	1	1	1	1	0	0	0	1	1
30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	0
31	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	1	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		
1	1	1	1	2	2	3	4	0	-	5	0	-	2	1	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: JULY

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	5	3	4	4	6	5	11	10	4	8	4	6	5	9	8	6	9	6	3	5	6	7	4	6
2	3	3	3	6	4	7	16	15	9	11	14	M	6	9	10	7	9	11	9	14	13	18	9	19	10
3	16	16	12	11	9	13	17	14	17	11	14	16	4	5	8	11	9	15	17	6	9	4	4	14	11
4	16	14	20	12	10	16	9	13	12	7	10	13	9	5	5	6	7	16	13	13	14	17	15	14	12
5	13	10	10	13	10	6	13	11	11	9	5	17	10	7	10	8	13	9	14	15	14	14	11	7	11
6	11	5	4	6	9	10	11	11	16	15	11	15	9	7	9	11	17	14	10	12	12	12	13	12	11
7	9	9	4	9	9	11	17	12	9	13	11	11	7	8	8	9	12	10	22	19	19	19	26	9	12
8	12	M	11	14	10	14	15	8	9	8	9	10	7	8	5	M	M	12	7	12	7	8	19	15	10
9	9	16	7	6	4	8	13	18	22	14	6	9	6	6	12	23	16	15	13	10	10	10	14	7	11
10	8	10	9	10	6	6	10	11	11	10	6	6	8	5	5	6	7	7	13	12	11	14	15	14	9
11	11	7	6	5	7	12	11	14	10	15	8	6	8	5	4	6	9	9	13	19	17	15	9	10	10
12	12	10	15	10	6	6	8	11	12	10	6	12	16	7	13	8	10	11	14	10	12	19	12	14	11
13	16	7	10	9	6	13	14	12	11	11	7	6	9	12	9	8	12	11	12	12	17	17	17	9	11
14	7	11	8	6	10	9	10	11	13	13	13	16	14	11	18	21	19	16	13	13	12	12	8	15	12
15	11	9	6	4	6	5	11	12	11	12	14	13	8	9	8	7	12	10	10	18	13	9	8	14	10
16	13	8	11	9	6	10	12	13	10	7	7	7	6	6	8	11	13	15	14	9	9	8	10	8	10
17	11	16	9	13	10	10	10	11	8	15	15	12	6	8	8	17	18	18	17	14	14	16	15	9	13
18	11	8	6	11	5	10	9	9	9	9	11	6	13	8	8	5	11	10	13	17	17	12	13	10	10
19	9	9	12	9	8	7	12	12	10	9	10	8	7	9	10	7	7	13	13	18	18	17	18	12	11
20	10	9	9	8	7	8	11	17	14	13	10	8	9	7	10	14	11	7	15	15	20	15	12	12	11
21	10	8	6	9	11	12	12	16	20	19	26	18	10	16	20	9	9	13	14	10	8	7	7	9	12
22	6	M	3	3	3	5	9	10	15	13	23	19	23	14	18	9	8	9	11	6	6	6	5	7	10
23	6	7	13	20	15	11	13	11	10	12	14	18	15	21	14	8	8	8	14	18	12	21	15	14	13
24	14	15	16	6	11	7	9	10	8	13	5	11	9	16	23	15	13	19	23	20	17	19	21	13	14
25	13	11	9	8	3	8	7	8	7	9	14	12	12	7	13	11	12	13	16	21	16	10	11	11	11
26	13	11	12	11	8	9	8	6	6	8	7	5	7	6	7	10	13	9	11	13	16	17	13	12	10
27	12	12	9	10	6	12	16	14	11	10	5	4	9	8	10	8	12	10	12	14	14	12	14	15	11
28	11	11	6	10	8	8	12	9	8	7	5	4	6	13	11	9	12	12	14	14	15	15	19	16	11
29	15	11	9	16	15	9	8	7	8	13	15	19	20	25	28	22	11	19	11	8	7	4	5	3	13
30	3	2	3	3	3	3	2	4	15	9	7	7	4	4	7	12	10	6	5	5	5	4	5	5	6
31	4	3	3	3	4	2	5	2	2	4	3	4	3	3	2	3	3	4	3	3	3	2	2	2	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		
9	10	11	10	16	19	21	23	2	-	28	3	-	14	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: JULY

STATION : POK FU LAM  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	3	2	1	1	1	1	0	1	1	0	1	0	1	1	1	1	0	1	0	0	0	0	0	11	1
2	2	1	1	1	0	0	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	11	1
3	3	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1
4	3	2	1	1	1	1	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1
5	3	1	1	1	1	0	1	0	0	1	1	2	2	1	1	1	1	0	0	0	0	0	0	11	1
6	3	2	1	1	1	1	1	1	2	1	1	1	0	1	1	1	0	1	0	0	0	0	1	12	1
7	3	2	1	1	1	1	1	1	3	2	1	1	1	0	1	1	1	0	0	0	1	0	1	12	2
8	3	2	1	2	1	1	1	1	1	0	1	1	1	1	0	0	1	0	0	0	0	0	1	13	1
9	4	2	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	0	0	1	1	12	2
10	4	3	2	2	2	2	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	12	1
11	3	1	1	1	0	1	0	0	1	1	1	0	1	1	0	1	1	0	0	0	0	0	0	12	1
12	3	2	1	1	1	0	0	1	2	1	0	2	2	1	2	2	2	2	1	0	0	1	1	13	2
13	4	2	2	1	1	1	1	2	2	2	1	0	1	1	0	1	2	1	1	1	1	1	2	13	2
14	4	3	2	2	2	2	2	6	8	5	6	3	2	3	2	2	3	2	1	1	1	1	1	14	3
15	4	3	2	2	1	1	2	2	2	2	3	3	1	2	1	1	2	2	1	2	2	1	1	13	2
16	5	3	3	2	2	1	2	2	2	2	2	2	1	1	1	2	3	1	2	1	1	1	1	12	2
17	4	3	2	2	1	2	1	1	2	4	3	3	2	2	1	2	2	2	2	1	1	1	1	12	2
18	4	2	1	2	1	1	1	2	2	2	2	0	1	1	1	1	2	2	1	2	1	1	1	12	2
19	3	2	2	2	2	2	1	2	2	2	1	1	0	1	1	1	1	2	1	1	1	0	1	12	2
20	3	2	2	2	1	1	1	1	3	2	1	2	2	1	2	1	1	1	1	1	1	1	1	12	2
21	3	2	2	1	1	1	1	1	5	5	5	2	1	1	2	1	1	1	0	0	0	0	0	13	2
22	4	2	2	1	1	1	1	1	1	1	7	4	7	2	2	1	1	1	1	1	1	1	0	13	2
23	4	2	2	2	2	2	1	2	2	4	4	6	3	3	3	4	2	2	1	2	1	1	1	14	3
24	5	3	3	2	2	2	1	1	2	3	1	3	3	3	3	3	4	3	2	2	1	2	1	13	3
25	4	3	3	2	1	2	1	2	2	5	5	4	6	6	3	4	3	3	2	2	2	1	2	12	3
26	4	3	3	3	3	2	2	2	2	2	2	3	3	2	2	3	3	3	3	3	2	2	2	15	3
27	5	5	3	3	2	2	2	2	3	3	1	3	2	2	2	3	3	1	1	1	1	1	2	14	3
28	5	3	2	3	2	1	2	3	2	2	2	1	1	3	3	2	2	2	2	1	2	2	2	14	3
29	5	3	3	4	3	2	2	2	2	3	4	6	3	4	6	4	3	2	2	1	1	1	0	13	3
30	4	3	2	2	2	2	2	1	1	1	2	1	1	1	2	2	2	1	1	1	1	1	1	13	2
31	5	3	3	3	3	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	13	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	
2	1	2	1	4	6	12	13	0	-	15	1	-	3	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: JULY

STATION : POK FU LAM  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	15	10	5	9	6	11	7	13	12	5	10	7	6	7	12	10	7	10	7	5	7	8	7	6	8
2	5	5	6	8	5	12	21	17	13	8	14	9	6	11	9	9	9	11	15	9	11	19	8	23	11
3	18	18	13	15	14	21	19	15	14	13	13	16	7	6	11	11	12	13	12	4	4	2	4	17	12
4	21	14	22	16	14	20	8	19	15	7	11	13	8	3	9	6	8	14	16	18	12	20	17	15	14
5	14	11	13	18	10	9	15	11	7	12	8	16	14	8	9	9	12	10	15	16	13	13	13	8	12
6	15	7	5	8	11	15	19	19	23	22	12	10	10	7	13	11	12	21	16	20	13	14	20	16	14
7	11	12	5	10	13	17	30	18	17	15	13	14	8	7	10	13	18	11	22	25	21	19	37	14	16
8	17	27	16	24	12	16	19	15	15	16	17	12	11	17	7	6	8	11	16	19	12	14	27	28	16
9	17	19	13	12	7	9	10	11	9	10	11	13	8	6	12	7	10	10	19	14	18	16	23	12	12
10	13	20	13	16	18	16	15	13	11	13	5	8	10	7	6	8	8	10	14	14	12	13	13	15	12
11	12	8	7	7	9	11	11	12	7	12	7	9	11	5	4	4	7	7	11	22	19	16	9	11	10
12	12	M	15	11	5	6	9	12	18	7	4	15	17	13	13	16	10	11	13	13	15	25	15	17	13
13	13	7	12	10	5	14	16	14	11	8	6	6	12	10	7	6	11	8	16	17	24	25	26	16	13
14	12	15	12	15	9	16	13	17	18	18	18	18	18	19	18	17	21	22	19	26	18	16	12	31	17
15	18	21	11	12	12	11	21	19	18	15	14	15	15	12	9	7	12	12	23	18	26	19	10	22	16
16	22	21	15	18	22	19	20	16	13	13	11	9	10	9	9	13	13	11	16	14	16	13	11	10	14
17	14	28	12	16	17	10	11	16	9	18	12	11	11	8	8	9	11	16	19	18	16	18	15	12	14
18	13	9	8	16	10	16	15	18	13	8	8	5	6	7	7	7	12	15	21	30	18	14	16	11	13
19	10	14	16	18	21	20	18	19	17	13	13	9	7	10	8	6	6	12	13	17	20	18	22	12	14
20	8	12	10	10	9	14	11	19	20	13	7	12	12	4	9	12	7	9	17	20	20	17	12	12	12
21	10	10	8	10	8	11	9	16	30	27	27	18	7	12	16	9	8	11	15	9	5	3	4	10	12
22	6	3	2	2	5	3	8	10	16	12	29	29	32	8	14	8	8	9	6	5	5	4	3	6	10
23	6	7	13	27	19	11	9	10	16	16	16	21	21	24	24	15	15	11	15	24	15	21	14	15	16
24	17	25	18	7	19	9	10	7	11	10	5	19	13	16	17	12	14	22	25	32	23	23	25	17	17
25	17	16	12	8	5	12	9	10	11	12	17	16	22	17	12	16	15	20	20	29	20	16	20	13	15
26	16	M	17	27	22	18	14	11	7	11	8	8	10	7	7	12	9	17	27	28	25	24	17	16	16
27	16	23	12	14	8	17	17	20	14	9	4	7	5	8	10	11	12	8	14	13	14	11	14	18	12
28	17	16	6	13	6	11	14	13	9	7	5	5	6	13	12	6	8	14	18	9	18	14	21	21	12
29	12	16	16	27	24	11	16	12	10	14	17	27	28	27	28	22	32	12	6	7	6	3	6	4	16
30	4	4	4	4	4	3	2	7	8	10	7	8	4	3	6	15	8	5	6	13	10	8	8	8	7
31	6	3	3	4	5	3	4	3	5	8	7	8	7	7	4	5	5	5	1	1	1	1	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		
11	12	13	12	21	24	28	30	1	-	37	4	-	17	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: JULY

STATION : AP LEI CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	0	0	0	0	0	1	1	1	1	2	1	0	1	1	1	0	0	0	0	0	0	1	1
2	0	0	0	0	0	1	0	1	0	0	1	1	1	1	1	1	1	2	1	0	0	1	0	3	1
3	1	1	2	1	2	1	1	1	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	2	1
4	1	3	3	3	2	3	2	4	3	2	3	1	1	1	1	1	1	1	1	0	2	1	2	2	
5	1	1	1	1	1	0	1	0	2	3	1	2	2	1	1	0	1	1	1	1	1	1	1	1	1
6	1	0	0	0	1	0	0	0	2	0	1	2	M	M	M	M	3	1	0	1	0	0	0	2	1
7	1	0	0	1	0	1	2	4	3	2	1	1	0	1	1	1	0	1	1	1	2	1	4	1	1
8	1	1	0	1	1	0	0	0	1	0	1	1	0	1	0	0	1	0	0	0	0	0	1	1	0
9	1	0	1	0	0	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	1	2	1	1
10	1	1	0	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1	2	3	1
11	1	0	0	0	1	0	0	0	1	2	0	0	0	1	0	1	1	1	1	1	0	1	0	2	1
12	1	0	1	1	0	0	0	0	3	3	2	2	2	2	1	2	0	1	0	0	1	2	0	3	1
13	3	0	0	1	1	3	3	3	5	3	6	2	2	2	1	1	2	1	0	0	2	1	1	2	2
14	1	1	1	0	0	0	0	4	7	6	4	4	4	4	4	2	3	2	1	0	0	0	1	3	2
15	1	1	0	0	0	0	0	0	1	1	3	5	3	1	1	2	1	1	1	0	0	0	0	3	1
16	2	1	1	0	0	1	1	2	3	3	2	2	1	2	1	M	1	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	1	0	0	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	0	0	0	0	0	0	0	1	0	0
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	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
21	0	0	0	0	0	0	0	0	5	2	3	1	2	5	3	2	2	2	1	1	1	2	1	1	1
22	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	1	0	0	1	0	0	1	0
23	0	0	3	5	6	2	2	2	4	6	6	6	5	4	3	5	3	3	3	1	2	4	4	2	3
24	1	1	2	1	1	1	1	1	4	4	2	7	2	2	2	1	2	2	2	1	1	1	2	2	2
25	1	1	1	2	2	2	1	1	1	4	5	5	6	4	2	2	1	1	3	2	1	1	1	3	2
26	2	3	1	0	1	1	3	0	1	2	1	2	3	2	1	2	2	1	2	1	2	3	1	2	2
27	1	2	1	0	0	0	1	1	1	2	2	1	1	0	1	2	2	1	1	0	1	0	1	2	1
28	0	0	1	1	0	2	1	3	2	2	3	2	1	2	3	1	1	3	1	0	1	0	1	5	2
29	3	2	4	4	3	1	0	2	1	3	1	6	4	8	6	3	0	1	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0
31	0	0	0	1	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	1	1	1	3	4	5	6	0	-	8	0	-	3	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: JULY

STATION : AP LEI CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	14	10	9	11	10	12	9	20	10	5	11	8	9	6	9	7	6	10	12	10	10	11	8	11	10	
2	7	8	12	14	11	19	14	16	10	12	13	11	10	13	12	12	12	16	18	12	14	23	8	27	14	
3	22	20	19	19	23	20	16	14	12	13	15	14	6	11	13	11	11	10	10	3	11	5	6	17	13	
4	18	31	28	22	22	25	14	18	18	12	16	10	9	9	11	13	9	13	16	16	16	20	15	14	16	
5	15	16	20	17	13	10	18	6	12	15	10	11	13	8	12	10	13	8	14	13	11	14	13	6	12	
6	13	7	7	7	10	8	7	12	16	13	17	19	13	10	12	19	20	15	9	15	12	10	13	11	12	
7	14	13	10	18	9	17	22	24	21	17	13	12	9	9	11	15	13	17	25	29	25	18	30	10	17	
8	12	M	11	16	17	12	12	15	19	17	21	19	15	15	12	10	10	13	15	16	12	14	19	11	14	
9	16	16	15	9	8	9	14	13	14	14	16	13	12	10	14	16	14	13	11	9	10	13	16	11	13	
10	16	16	15	12	16	11	12	11	13	10	8	8	9	7	7	8	10	12	16	14	14	19	26	20	13	
11	16	10	15	10	12	18	12	16	13	16	9	15	14	11	9	9	11	16	15	19	14	23	13	16	14	
12	13	17	23	17	13	11	8	13	24	13	12	12	15	16	12	17	12	13	16	14	23	22	19	22	16	
13	34	10	18	23	14	27	27	21	19	15	21	16	19	18	16	14	19	16	16	17	29	28	21	16	20	
14	13	14	12	9	10	13	17	12	18	17	19	24	26	24	29	28	23	24	19	20	20	15	18	20	19	
15	16	11	8	7	8	8	11	10	14	11	16	26	19	15	17	18	16	16	15	20	19	11	12	23	14	
16	19	11	14	11	12	17	17	20	18	15	14	14	11	10	11	M	M	7	14	9	7	5	4	2	12	
17	11	16	11	3	2	6	13	10	4	8	8	8	4	4	6	5	3	4	12	6	10	8	10	8	8	
18	7	5	1	6	1	2	7	7	10	7	6	4	6	7	4	3	8	11	10	21	11	5	14	3	7	
19	0	5	5	3	2	6	8	10	3	6	2	2	1	3	7	1	1	4	4	12	15	16	14	11	6	
20	0	5	4	5	3	3	10	24	12	11	9	7	7	10	12	8	11	11	9	21	17	13	4	5	9	
21	3	4	2	11	13	4	5	18	31	20	19	2	1	11	6	2	0	0	0	0	3	6	2	4	7	
22	0	M	0	0	0	0	3	15	17	17	8	10	11	1	1	0	0	2	0	0	0	1	0	1	4	
23	0	4	18	30	32	12	11	10	14	16	17	18	13	13	11	12	11	13	24	21	22	30	27	16	16	
24	9	7	28	12	20	9	11	13	13	14	13	25	16	15	20	15	14	20	21	16	23	14	25	19	16	
25	7	9	11	16	13	19	17	13	12	15	18	18	23	11	13	14	14	17	21	17	12	8	12	13	14	
26	6	9	7	6	9	14	18	6	7	13	8	9	12	8	5	6	8	7	16	12	15	23	7	4	10	
27	9	13	5	2	2	3	8	9	4	8	5	6	4	1	7	6	7	7	7	4	9	3	9	10	6	
28	3	8	2	4	1	13	5	12	10	7	9	7	4	5	12	4	6	17	14	13	15	8	21	25	9	
29	16	12	19	25	24	7	5	13	9	12	10	18	12	24	15	7	0	3	1	0	0	0	0	0	10	
30	0	0	0	0	0	0	2	5	3	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
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	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		
11	11	11	11	20	23	27	29	0	-	34	0	-	20	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: JULY

STATION : CHEUNG CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	4	3
2	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	2	3	2	2	2	2	2	3	2
3	1	2	2	2	2	2	2	2	2	2	1	1	2	2	1	2	2	2	2	2	1	1	1	2	2
4	1	2	2	1	2	1	1	1	2	1	2	2	2	1	2	2	2	2	2	2	2	1	1	3	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	1	3	2
7	2	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
8	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	4	3
9	3	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	4	4	4	3	3	3	3	5	3
10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3
11	3	3	3	3	3	2	2	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	2	3	3
12	2	2	2	2	3	3	2	2	3	2	2	3	3	3	3	3	3	3	3	2	2	2	2	4	3
13	2	2	2	3	3	2	2	2	2	2	2	2	M	M	M	1	3	3	3	3	3	3	3	5	2
14	3	3	3	4	3	3	3	3	3	4	3	3	4	4	4	4	4	4	4	4	4	4	3	5	4
15	4	4	4	4	4	4	4	4	4	3	3	3	4	4	4	4	5	4	4	4	4	4	4	5	4
16	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4
17	4	3	3	4	3	3	3	3	3	3	4	3	3	4	4	4	4	4	4	2	3	3	3	5	3
18	4	4	3	3	3	4	4	3	3	4	3	3	4	4	4	5	4	4	4	4	4	4	3	5	4
19	4	4	4	4	3	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3	5	4
20	4	3	4	4	4	4	3	3	3	3	3	3	4	4	4	4	3	4	4	4	3	3	3	5	4
21	4	4	4	4	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4	3	3	3	3	5	4
22	3	4	4	4	4	4	3	4	4	4	4	4	4	4	5	5	5	4	4	5	4	4	4	5	4
23	4	4	4	4	4	4	4	5	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	5	4
24	4	4	4	4	4	5	5	4	4	4	3	4	4	4	4	5	5	5	4	5	4	4	4	5	4
25	4	4	5	4	4	4	5	5	4	4	5	4	4	5	5	5	5	5	5	5	4	4	4	6	5
26	4	5	5	5	5	5	5	5	4	4	4	4	5	4	5	5	5	6	6	5	5	5	5	6	5
27	5	5	5	5	5	5	5	5	4	4	5	5	5	5	4	5	6	5	5	5	5	5	5	6	5
28	4	5	4	4	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	4	4	4	6	5
29	5	5	5	5	5	5	5	6	5	4	5	5	5	5	5	5	5	6	5	5	5	5	5	6	5
30	5	5	5	5	5	5	5	4	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	6	5
31	6	5	5	5	5	5	5	4	5	5	5	5	5	5	6	5	5	6	6	5	5	5	5	6	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	
3	4	3	4	5	5	6	6	1	-	6	2	-	5	1	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: JULY

STATION : CHEUNG CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	9	8	9	10	8	7	8	1	6	9	9	12	5	5	2	5	3	4	8	12	11	7	6	11	7
2	11	5	5	3	4	3	5	2	2	3	3	3	1	2	2	3	3	5	2	4	6	16	7	8	5
3	11	10	5	5	8	3	4	6	1	8	2	4	3	3	1	3	7	6	11	13	14	13	16	9	7
4	12	14	18	9	10	11	9	5	4	4	3	2	3	4	2	3	4	7	5	6	8	5	8	8	7
5	6	9	18	12	10	13	13	9	3	4	4	4	7	5	3	3	3	5	6	10	10	7	11	11	8
6	11	4	7	6	6	4	7	5	3	4	5	2	1	1	2	1	2	2	7	12	18	10	14	16	6
7	9	5	7	16	12	10	13	12	10	10	8	4	5	3	5	8	4	6	11	24	14	26	26	13	11
8	12	M	17	17	10	11	14	15	9	8	7	4	6	5	7	5	5	3	4	15	14	15	15	19	10
9	14	15	9	7	13	16	8	4	3	6	8	6	5	3	4	3	5	6	6	5	8	8	10	13	8
10	5	11	7	10	5	9	10	8	7	6	5	5	3	2	2	3	4	5	9	7	12	11	9	13	7
11	11	9	9	9	8	10	6	6	6	3	4	4	6	4	2	1	2	2	4	5	5	7	9	13	6
12	9	9	11	9	8	5	13	8	5	5	5	2	2	2	1	1	2	0	2	3	4	3	8	5	5
13	6	4	2	1	3	9	7	8	5	4	2	2	M	M	M	M	1	2	2	4	0	1	3	5	4
14	7	5	3	5	2	0	4	4	5	6	6	1	3	4	2	5	6	7	3	9	16	25	13	11	6
15	6	5	5	5	6	5	10	6	3	6	8	8	8	6	5	5	8	12	10	7	9	12	24	13	8
16	10	15	16	12	17	21	15	16	15	16	13	9	9	7	6	5	5	5	7	9	9	5	11	11	11
17	11	12	10	13	12	11	14	13	4	7	4	9	4	2	1	3	3	4	3	5	6	4	8	11	7
18	9	7	6	6	10	14	16	10	6	8	5	3	3	2	1	1	3	5	5	5	7	7	8	14	7
19	10	8	13	12	14	17	14	46	21	11	7	5	6	3	3	3	5	5	12	12	14	12	13	11	12
20	10	20	15	13	16	7	21	17	9	7	8	5	2	1	2	1	4	7	9	20	32	28	43	42	14
21	51	50	46	45	50	50	50	41	30	24	11	6	17	6	13	18	16	27	34	50	50	45	36	50	34
22	41	M	30	31	25	27	27	33	29	30	33	30	24	29	25	20	25	37	33	60	20	36	44	41	32
23	43	28	16	28	29	35	31	35	32	20	12	12	8	7	4	3	5	11	22	21	40	35	35	26	22
24	22	24	28	42	36	45	42	31	31	8	5	4	9	8	2	4	4	13	13	9	29	30	25	17	20
25	15	26	20	8	11	35	28	30	19	9	10	4	4	10	3	1	4	15	15	20	15	22	29	18	15
26	22	30	114	72	25	23	13	10	6	6	5	7	4	6	4	4	1	5	9	5	22	17	25	20	19
27	12	17	17	4	9	15	5	6	1	2	4	4	1	7	3	2	1	0	3	10	9	9	13	18	7
28	20	11	9	8	5	19	18	7	9	3	1	0	0	2	0	0	0	0	2	9	9	13	15	16	7
29	11	12	18	18	14	19	26	22	3	3	2	5	6	8	2	1	5	11	21	6	7	5	7	1	10
30	3	3	3	12	22	20	12	15	18	22	15	11	2	1	0	0	6	3	0	7	8	14	8	30	10
31	14	6	4	36	15	3	1	7	4	13	13	12	6	3	7	2	6	13	2	0	0	0	1	4	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		
8	8	11	8	25	33	45	50	0	-	114	4	-	34	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: AUGUST

STATION : VICTORIA PEAK  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
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	2	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	
4	0	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0	1	1	0	0	0	0	0	2	0	
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	5	2	0		
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	2	0	
7	1	0	0	0	0	0	0	0	1	1	1	1	0	1	1	2	1	1	1	0	1	1	1	2	1		
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	1	
9	1	1	1	1	1	1	1	1	2	1	1	1	3	3	3	3	3	3	2	1	1	1	1	1	2	2	
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7	3	3	2	2	2	1	1	3	2		
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	
12	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
13	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	0	0	1	1	1	1	0	0	
14	1	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	2	1	2	1	1	1	1	2	1	
16	1	1	0	0	1	1	0	1	1	1	1	1	0	1	1	1	2	2	1	1	1	1	1	1	3	1	
17	1	1	1	1	1	1	1	1	1	1	1	12	1	1	1	1	1	1	1	1	1	1	1	1	3	2	
18	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	
19	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1	1	1	1	0	1	1	1	2	1	
20	1	1	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	
21	1	1	1	1	1	1	1	1	1	0	1	2	3	4	3	3	3	5	4	3	2	2	2	3	2		
22	2	1	2	1	2	2	6	5	3	6	5	5	6	6	6	4	3	4	3	1	1	3	3	3	3		
23	1	1	1	1	1	1	2	6	6	4	3	3	3	3	3	4	5	8	5	3	4	3	2	3	3		
24	3	2	2	2	1	1	1	2	4	3	7	4	3	2	3	3	3	2	2	2	2	2	2	3	3		
25	2	2	1	1	1	1	1	2	2	2	2	2	3	3	3	2	2	2	2	2	1	1	1	3	2		
26	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	3	3	3	2	1	M	2	2		
27	1	2	2	1	1	1	1	1	2	4	4	3	3	3	2	3	3	2	2	2	2	1	1	3	2		
28	2	1	1	1	1	1	1	1	1	2	2	3	3	5	5	2	2	3	3	2	2	1	1	2	2		
29	2	2	1	1	1	2	1	2	2	4	6	3	4	5	4	4	6	4	2	3	2	3	2	3	3		
30	2	2	2	2	2	4	5	4	4	3	5	5	3	4	1	1	2	3	3	2	2	2	2	3	3		
31	1	1	1	1	1	1	1	1	1	1	2	3	2	2	3	2	2	3	4	2	2	2	2	2	3	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	
2	1	1	1	3	4	5	6	0	-	12	0	-	3	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: AUGUST

STATION : VICTORIA PEAK  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	1	0
2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	0	1	1	0	2	0
3	0	1	0	0	0	1	3	6	8	10	7	6	12	11	20	7	2	4	3	0	0	2	1	3	4
4	1	1	0	0	0	0	4	17	17	12	6	9	4	4	3	4	2	7	6	6	6	3	1	4	5
5	9	M	6	1	5	1	5	3	10	10	6	2	4	3	2	1	6	5	19	10	1	0	0	1	5
6	0	0	0	0	0	0	0	1	2	2	1	2	1	2	1	1	2	4	2	0	1	0	0	1	1
7	0	0	0	0	0	0	0	0	3	3	1	0	0	0	1	0	2	6	6	3	1	0	0	2	1
8	0	1	0	0	0	0	0	1	3	2	2	5	2	2	2	1	2	2	2	6	9	5	11	8	3
9	5	3	3	2	3	0	2	6	5	3	0	3	10	7	9	14	8	5	12	11	19	10	13	10	7
10	6	1	2	0	1	2	6	5	2	0	1	0	0	3	4	25	14	18	12	18	14	5	3	5	6
11	3	4	2	1	7	2	3	3	3	7	2	1	2	5	5	8	5	4	5	7	3	3	3	3	4
12	0	1	2	0	1	1	0	9	8	9	5	2	2	5	7	5	9	10	8	3	1	2	3	1	4
13	0	0	0	0	3	0	1	4	5	5	2	3	3	3	3	1	1	2	2	2	2	6	1	2	2
14	0	0	0	0	1	0	2	7	5	5	2	3	4	2	5	3	3	5	5	6	9	11	11	20	5
15	10	5	7	4	2	2	7	11	6	4	3	4	2	3	5	7	13	11	12	23	11	8	5	5	7
16	4	1	1	1	0	0	1	1	1	3	4	1	0	0	0	0	0	0	0	2	2	1	6	1	1
17	3	1	0	0	0	2	0	0	1	5	6	5	4	3	2	7	9	3	6	11	2	0	9	8	4
18	4	1	13	12	20	5	9	22	23	22	18	12	6	2	10	6	4	6	8	5	3	1	1	1	9
19	0	M	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	8	6	2	1	1	1	1	1
20	1	0	0	0	1	0	0	2	2	5	6	1	0	0	2	9	3	6	4	0	4	5	0	3	2
21	0	0	0	0	0	0	4	14	13	16	20	21	27	29	14	11	12	32	35	9	8	4	0	1	11
22	0	0	0	1	9	27	57	27	30	45	43	37	33	25	23	13	13	20	19	4	0	25	18	5	20
23	5	2	1	0	2	1	3	9	15	14	14	14	15	19	16	21	23	31	34	27	32	18	9	9	14
24	13	1	5	1	1	2	2	2	9	7	12	10	6	7	6	5	10	9	7	16	7	6	4	6	6
25	4	5	1	1	0	2	5	10	8	5	2	3	3	7	5	4	2	3	6	4	3	3	11	7	4
26	5	1	3	6	2	1	4	3	3	5	12	10	6	10	10	4	11	16	21	22	9	3	6	6	7
27	8	18	7	3	6	0	1	11	20	23	29	23	26	25	15	15	21	18	11	15	7	4	5	13	14
28	7	3	2	0	0	0	0	2	12	22	32	30	37	41	34	18	16	22	24	22	25	13	10	8	16
29	9	10	4	2	1	7	9	12	16	46	58	36	35	26	26	24	26	17	20	21	25	22	8	13	20
30	3	2	2	0	5	15	22	28	36	19	36	32	20	20	11	13	20	21	5	4	3	1	1	2	13
31	3	2	1	0	0	1	4	10	7	7	7	14	14	18	15	18	17	21	26	19	6	2	2	2	9

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	3	7	3	19	25	33	37	0	-	58	0	-	20	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 : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: AUGUST

YEAR : 2020

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

YEAR : 2020

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	3	1	1	3	4	3	2	2	2	2	1	1	2	2	2	8	6	7	6	4	3	4	3	3
2	3	3	1	4	2	2	3	4	9	4	4	4	3	3	4	3	6	4	4	4	4	2	2	3	4
3	3	3	2	3	4	3	5	10	7	8	8	10	7	8	6	7	4	4	2	3	4	11	11	5	6
4	9	6	9	11	17	8	8	19	9	8	6	6	5	6	7	9	4	9	13	6	9	7	11	10	9
5	10	M	6	9	10	6	6	7	7	8	7	5	3	3	3	5	5	7	8	13	8	5	5	1	6
6	1	1	2	3	3	3	5	8	5	4	3	2	3	2	2	2	5	3	5	6	10	3	6	7	4
7	6	5	2	2	2	4	4	4	4	3	3	2	3	2	2	2	2	3	6	6	6	6	10	9	4
8	7	9	4	4	7	6	5	6	4	5	6	3	2	2	3	3	3	9	7	13	11	7	11	8	6
9	8	7	8	13	13	18	11	2	3	4	11	15	8	11	15	10	12	11	10	12	23	13	14	15	11
10	14	8	10	7	8	13	12	14	8	9	8	8	8	10	9	7	8	15	11	22	12	14	16	13	11
11	14	7	6	7	7	14	9	10	7	8	5	5	4	6	12	10	6	6	7	10	8	7	10	8	8
12	3	4	2	2	2	7	11	9	10	7	6	3	4	3	3	4	7	10	8	10	6	8	8	4	6
13	4	6	4	2	9	4	3	6	8	7	3	5	4	5	2	4	6	6	7	8	11	9	4	3	5
14	3	6	4	5	5	3	7	7	6	4	5	4	4	2	4	3	8	7	10	9	12	9	10	11	6
15	12	7	11	7	5	9	7	5	7	8	7	8	4	4	4	6	7	9	10	14	12	12	9	16	8
16	8	6	7	3	3	2	3	4	5	4	5	3	3	3	2	3	3	5	5	6	7	4	5	11	5
17	5	3	2	1	2	4	2	3	1	3	3	4	2	3	8	4	6	11	10	12	6	4	4	4	4
18	2	0	2	1	2	9	6	8	11	9	2	4	2	4	3	4	2	2	1	1	1	1	1	1	3
19	1	M	4	3	2	1	2	2	2	5	3	3	3	4	5	5	6	10	10	8	7	8	8	9	5
20	7	4	5	4	5	4	4	5	4	4	4	3	2	2	2	5	6	7	7	8	5	7	6	8	5
21	4	3	3	5	3	3	5	9	7	7	8	5	5	5	5	5	5	10	11	20	15	7	7	6	7
22	6	5	3	7	5	4	8	18	25	36	43	41	31	24	21	11	8	21	38	34	35	32	16	13	20
23	8	9	4	6	10	11	13	5	2	9	13	4	4	4	7	15	22	28	28	28	28	23	29	26	14
24	26	30	28	24	25	13	14	8	8	24	25	22	12	18	16	14	19	19	16	20	18	16	10	14	18
25	10	10	9	5	8	4	14	19	19	16	8	10	10	12	11	12	7	6	7	9	11	13	17	21	11
26	12	12	10	8	17	10	17	18	8	12	14	9	6	8	7	5	6	9	10	13	15	10	8	3	10
27	2	9	7	4	8	13	10	15	21	21	20	31	39	34	22	19	23	19	22	18	21	6	14	13	17
28	10	10	9	6	7	13	7	12	14	23	38	41	26	17	28	16	15	15	17	37	24	15	13	10	18
29	13	11	14	10	8	5	30	32	22	26	48	57	31	18	17	20	15	17	21	15	18	14	13	14	20
30	11	10	9	7	8	9	9	17	15	14	15	13	9	10	12	12	10	13	10	7	8	6	7	4	10
31	4	3	4	5	3	2	6	7	5	4	3	3	4	4	5	3	5	10	21	20	12	10	7	5	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		
7	7	9	7	18	24	31	38	0	-	57	3	-	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: AUGUST

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	0	1	0	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0	1	0	0	2	0
2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0
3	1	0	0	0	1	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0
4	0	0	0	0	0	0	1	2	4	2	0	0	1	1	0	1	1	0	1	1	0	0	1	1	1
5	0	1	0	1	1	0	0	1	0	2	1	0	0	0	0	1	1	0	0	1	0	0	1	0	0
6	1	0	0	1	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0
7	0	0	1	0	0	1	0	0	1	1	0	0	1	0	1	0	1	0	0	0	1	0	0	1	0
8	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1	1	0	1	0	0	1	1	1	2	1
9	1	1	1	1	0	1	0	0	1	1	1	1	3	2	3	3	2	1	1	1	0	1	2	3	1
10	1	1	1	1	0	1	1	2	1	1	1	1	1	1	0	2	3	1	1	1	1	1	1	1	1
11	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	1	1	0	1	0	1	1
12	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	1	0	1	1	0
13	0	1	0	1	1	0	1	0	0	1	1	0	0	1	0	0	1	0	0	1	0	0	1	1	0
14	0	1	0	0	0	0	0	1	1	0	1	1	2	1	1	0	1	1	0	0	1	1	0	3	1
15	1	1	0	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	1
16	2	0	0	1	0	1	0	1	1	2	2	1	0	0	0	0	0	1	1	0	0	0	0	1	1
17	1	0	0	1	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0
18	1	1	0	1	1	0	1	0	2	1	0	1	1	1	0	0	1	0	1	0	0	1	0	2	1
19	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	1	0	1	0	0	0	0
21	1	0	0	1	1	0	1	1	2	3	3	3	2	4	2	1	3	3	1	1	2	1	1	3	2
22	0	1	1	0	1	2	3	3	6	7	3	2	5	3	3	2	1	4	3	2	2	3	2	2	3
23	1	2	2	0	1	1	0	1	0	0	2	2	2	2	2	3	3	4	3	2	1	1	2	3	2
24	2	2	0	1	1	0	1	1	2	2	3	2	1	3	2	2	1	1	1	1	1	1	1	2	1
25	1	1	1	1	0	0	1	2	3	2	1	2	2	3	1	2	1	0	1	1	1	1	1	2	1
26	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	2	1	1	1	0	0	1	1
27	0	1	1	0	1	1	1	2	3	2	1	1	2	3	1	1	2	1	1	2	1	0	1	2	1
28	1	1	1	0	0	0	1	0	1	1	3	2	3	4	2	2	2	2	1	1	1	1	0	2	1
29	0	1	1	0	0	1	1	0	2	2	4	2	3	3	3	2	2	1	2	1	1	1	1	3	2
30	0	1	1	1	1	1	2	1	2	3	4	2	1	3	0	1	1	2	1	1	1	1	1	1	1
31	0	1	0	0	1	1	0	1	0	0	1	1	1	1	3	2	2	2	2	1	0	1	1	3	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	
1	1	1	1	2	3	3	4	0	-	7	0	-	3	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: AUGUST

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	1	1	1	1	2	3	2	2	2	3	2	2	2	2	5	5	6	5	4	3	3	3	3	3
2	3	2	2	2	1	2	3	4	4	4	3	3	3	3	3	3	3	3	3	7	4	3	3	3	3
3	4	5	2	1	4	12	9	14	13	11	9	9	12	11	14	10	12	11	7	5	5	5	5	6	8
4	5	6	5	4	5	4	11	18	21	19	11	7	9	8	8	10	10	12	11	11	9	8	10	9	10
5	13	M	11	5	7	6	10	12	17	15	15	9	10	8	6	7	8	10	11	10	9	7	6	4	9
6	4	7	10	8	3	2	3	5	6	6	4	6	5	5	5	4	4	4	4	3	4	3	2	3	5
7	2	2	2	1	1	3	3	4	4	5	6	6	6	5	9	7	7	6	6	5	5	3	3	6	4
8	5	4	2	1	3	3	4	5	7	7	7	6	5	5	7	7	9	11	9	8	7	6	10	8	6
9	7	6	12	5	8	5	6	5	6	3	6	8	13	9	12	16	11	8	11	15	14	12	22	21	10
10	15	10	8	6	7	8	11	11	7	7	6	8	4	9	12	17	23	14	13	12	9	10	7	9	10
11	10	11	6	5	10	6	7	9	8	11	7	5	6	9	11	13	12	12	21	15	8	9	9	7	9
12	5	7	6	4	5	5	9	14	17	19	11	11	8	11	11	10	10	14	10	7	7	6	6	7	9
13	4	5	8	6	7	4	5	8	10	10	8	12	7	9	7	8	7	8	10	7	7	8	6	5	7
14	4	4	3	4	4	5	10	8	10	7	13	7	9	7	10	9	8	13	7	11	15	15	18	21	9
15	13	9	13	9	6	11	15	14	10	12	6	10	8	9	8	8	11	19	19	16	9	14	10	8	11
16	9	6	5	5	3	5	5	10	14	20	19	10	6	6	4	3	3	4	3	3	4	4	4	7	7
17	5	3	2	2	2	11	6	3	4	5	5	6	11	10	9	12	10	6	10	10	12	10	9	17	8
18	17	12	10	16	21	9	10	17	17	14	13	11	7	5	7	9	5	5	6	6	5	4	3	4	10
19	3	M	4	2	2	3	4	5	5	6	5	5	6	6	9	9	7	10	9	8	7	6	6	4	6
20	4	2	3	3	3	3	5	5	6	5	5	5	5	5	6	5	4	7	7	6	10	9	7	7	5
21	5	3	2	6	11	8	6	14	29	31	19	33	26	31	15	8	31	35	27	24	15	11	7	15	17
22	8	5	4	5	8	23	34	22	32	33	25	28	36	24	15	17	10	33	35	37	35	39	25	19	23
23	15	24	17	18	15	9	5	5	10	9	11	14	21	23	20	24	28	22	20	19	13	13	19	22	17
24	16	11	11	7	7	7	10	10	15	16	21	17	12	22	16	14	18	20	13	17	11	11	12	13	14
25	9	11	7	6	5	7	11	20	18	13	10	13	12	21	9	12	9	14	12	10	10	12	14	15	12
26	11	10	7	12	8	6	14	12	12	11	10	12	12	13	19	11	11	17	13	21	15	7	8	9	12
27	6	9	11	12	8	6	14	20	26	17	22	34	31	27	16	24	21	26	22	19	12	9	17	13	18
28	15	8	9	6	7	5	8	10	15	24	27	38	34	40	24	16	21	19	21	33	18	12	11	16	18
29	14	11	11	8	7	13	12	21	20	35	51	33	26	23	24	18	18	15	24	15	28	22	14	16	20
30	11	8	7	4	8	11	18	29	30	33	38	27	16	21	16	19	49	40	10	8	7	7	6	6	18
31	5	5	4	4	5	12	9	11	10	7	7	10	13	14	17	17	26	36	39	25	18	12	11	24	14

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		
8	9	11	9	21	27	34	38	1	-	51	3	-	23	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: AUGUST

STATION : POK FU LAM  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	2	2	2	2	2	2	1	2	2	1	2	2	1	1	2	1	1	1	1	1	1	1	13	2
2	4	3	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	1	1	1	0	1	13	2
3	4	3	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	1	1	1	1	13	2
4	5	3	2	2	2	2	3	4	8	7	3	2	2	2	2	2	2	2	1	1	1	1	1	14	3
5	5	3	3	2	2	2	2	1	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	12	2
6	3	2	2	2	2	2	1	1	1	2	2	2	1	1	2	2	2	1	1	1	1	1	1	13	2
7	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	14	3
8	5	3	2	2	2	2	2	3	7	4	3	3	2	2	2	2	3	3	2	2	2	2	2	14	3
9	5	4	3	3	3	3	3	2	2	3	2	3	4	3	4	4	4	3	3	3	3	3	3	16	4
10	6	4	3	3	3	3	3	4	3	3	4	4	3	3	4	5	4	3	3	2	2	2	2	14	4
11	6	4	3	3	3	2	3	3	2	3	2	2	2	3	2	2	3	2	2	2	1	1	1	12	3
12	4	3	2	2	2	1	1	1	2	2	2	1	2	1	1	1	1	1	0	1	1	0	0	13	2
13	4	2	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	1	1	13	2
14	4	3	3	2	2	2	2	2	2	2	2	2	3	3	4	8	4	3	2	2	1	2	2	14	3
15	5	4	3	3	2	2	3	3	3	4	2	3	3	2	2	3	3	3	2	2	2	2	2	15	3
16	6	4	3	3	2	2	2	2	3	7	7	4	2	2	3	2	2	2	2	2	1	1	2	15	3
17	6	4	3	3	2	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	15	3
18	6	4	3	4	4	3	4	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	1	14	3
19	5	4	3	3	3	3	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	14	3
20	5	3	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	14	3
21	5	4	3	3	3	3	3	2	6	9	5	8	7	7	4	4	6	7	5	4	4	4	3	15	5
22	6	4	3	4	5	7	12	7	15	13	7	6	8	6	5	5	5	6	6	4	4	5	4	15	7
23	6	6	5	4	6	5	4	3	3	4	7	5	5	5	4	6	7	7	5	4	4	4	3	17	5
24	8	6	5	5	4	3	4	6	8	5	11	6	4	5	5	5	4	4	3	3	3	3	3	8	5
25	4	4	3	3	3	2	3	4	5	5	4	6	4	4	3	4	3	3	3	3	2	3	3	13	4
26	5	4	3	4	3	3	3	3	3	3	3	4	2	3	3	4	3	4	3	3	2	2	2	14	4
27	5	3	4	3	3	3	3	4	5	5	7	7	7	6	5	5	4	4	4	4	3	3	3	15	5
28	6	5	4	3	3	3	3	3	4	4	6	7	6	7	6	4	4	4	3	3	3	3	3	15	5
29	6	5	4	4	4	4	3	4	5	8	8	6	7	6	5	6	6	4	4	4	4	4	3	15	5
30	6	5	5	4	5	6	5	5	4	7	8	6	5	5	3	3	5	5	4	3	3	3	3	13	5
31	5	4	3	3	4	4	4	3	3	3	4	4	4	5	6	5	5	4	4	4	4	3	4	15	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		
3	3	4	3	6	8	14	15	0	-	17	2	-	7	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: AUGUST

STATION : POK FU LAM  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	0	0	1	2	2	1	1	0	0	0	1	0	1	2	4	4	3	2	2	1	2	1	1
2	1	0	0	2	0	1	2	3	3	2	1	1	1	1	3	3	4	5	4	5	5	5	3	2	2
3	3	6	1	1	7	26	9	16	20	15	28	17	13	14	21	35	34	10	5	5	5	6	4	4	13
4	4	7	4	3	2	5	25	39	38	29	17	10	12	7	7	11	12	9	12	9	11	8	4	5	12
5	13	12	9	6	10	6	11	12	17	19	13	5	6	4	3	5	6	11	9	18	13	2	2	2	9
6	9	12	9	3	1	1	3	4	5	3	2	8	5	4	3	3	3	3	3	2	3	2	2	2	4
7	1	1	0	1	1	2	2	4	3	4	5	4	3	5	4	4	4	4	6	9	7	4	4	5	4
8	4	4	1	1	2	2	3	10	20	14	8	8	6	6	6	8	8	10	8	5	6	6	12	7	7
9	8	M	12	6	9	5	4	5	3	3	3	5	11	5	9	8	7	7	17	15	20	13	22	20	9
10	9	11	9	6	5	11	18	16	8	6	7	11	7	10	16	18	18	16	18	18	13	13	7	7	12
11	11	12	7	6	15	11	10	12	11	15	6	2	6	11	14	16	12	12	23	15	7	10	7	6	11
12	4	7	5	3	4	3	4	22	18	22	10	8	8	10	9	9	9	11	7	5	4	5	4	3	8
13	2	2	7	6	5	1	4	8	10	6	7	14	5	8	5	11	6	6	5	7	7	8	4	4	6
14	1	2	2	4	5	6	9	8	12	10	9	7	5	6	7	9	8	15	6	10	15	13	21	24	9
15	13	10	19	12	8	10	12	12	11	8	6	10	7	9	5	10	12	15	18	20	11	13	8	9	11
16	8	5	5	4	3	6	3	9	16	31	33	23	8	2	2	3	2	2	4	2	5	7	5	8	8
17	7	4	2	1	1	15	3	2	5	6	4	6	12	8	8	10	12	4	8	6	7	22	17	16	8
18	31	30	14	34	38	16	37	41	33	19	16	30	9	5	12	15	11	11	10	9	7	5	5	3	18
19	1	0	1	1	1	2	3	4	5	5	3	3	4	4	7	7	5	10	9	8	7	5	4	6	4
20	5	3	3	4	5	4	4	6	6	7	5	3	3	4	4	7	6	7	6	3	7	9	6	8	5
21	3	2	2	3	5	14	11	14	40	45	32	48	48	41	18	14	48	43	46	27	12	9	6	5	22
22	4	3	3	30	48	58	71	42	55	57	36	26	29	23	18	18	19	36	44	35	29	33	17	10	31
23	11	M	18	15	37	17	10	11	6	12	17	12	21	15	13	21	27	27	26	27	20	17	18	29	19
24	21	18	18	11	9	8	15	15	22	17	27	20	16	22	18	13	14	13	16	23	15	16	17	29	17
25	15	16	15	12	10	14	15	22	22	19	15	20	21	26	15	14	12	13	15	17	20	21	21	20	17
26	13	17	15	24	10	12	23	13	15	12	11	9	8	16	13	13	13	18	12	21	10	10	16	9	14
27	9	8	11	10	10	7	14	27	34	27	39	46	42	37	19	27	21	25	31	22	13	8	20	18	22
28	16	11	10	6	8	9	15	10	30	32	44	48	40	41	30	21	28	26	27	36	28	14	18	18	24
29	17	17	15	15	21	34	29	33	38	65	53	26	30	24	25	26	25	14	19	17	21	15	10	16	25
30	10	12	16	9	37	30	23	30	37	38	37	31	19	25	16	28	57	51	12	10	8	7	6	5	23
31	7	4	4	4	29	36	30	16	10	10	9	14	21	27	25	21	39	25	32	35	16	8	8	16	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		
9	9	13	9	29	37	45	50	0	-	71	1	-	31	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: AUGUST

STATION : AP LEI CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0
4	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	2	1	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
9	0	0	1	1	3	1	0	1	1	3	3	7	3	2	5	4	2	1	0	1	1	0	0	8	2
10	2	2	0	0	0	1	1	4	1	3	2	2	1	2	1	3	5	2	1	2	0	0	0	1	2
11	1	0	0	0	0	0	1	1	0	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0
12	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
13	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
14	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	0	0	1	0	1	2	1
15	1	0	0	0	0	1	0	0	1	1	2	1	0	0	0	1	2	2	1	1	0	0	0	1	1
16	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
17	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
18	2	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	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
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
21	0	0	0	0	0	0	0	1	1	2	2	2	2	1	2	4	7	4	4	4	3	1	1	2	2
22	1	1	0	1	2	4	7	8	18	9	11	12	13	10	5	4	3	7	4	4	4	8	3	2	6
23	1	3	2	1	5	2	1	0	3	3	7	4	2	3	5	6	8	7	3	3	3	3	5	5	4
24	4	3	1	1	1	0	0	2	4	3	5	3	2	4	3	3	2	2	1	1	1	1	0	2	2
25	0	0	0	0	0	0	0	1	3	3	1	4	4	3	1	1	1	0	0	0	0	1	1	1	1
26	1	0	0	1	0	0	0	1	0	0	2	2	1	2	1	1	1	0	1	0	0	0	0	0	1
27	0	1	0	0	0	0	1	3	5	3	3	4	4	4	2	3	2	2	2	2	1	0	2	1	2
28	1	1	0	0	0	0	0	0	2	4	6	5	6	7	5	4	3	2	2	2	1	0	0	2	2
29	1	1	1	0	0	0	0	1	3	6	8	4	5	5	4	4	4	2	2	1	3	1	1	3	3
30	2	1	1	1	1	1	1	2	2	4	3	4	2	5	0	1	2	2	1	0	0	1	1	1	2
31	0	0	0	0	1	0	0	0	0	0	1	1	1	1	2	2	2	4	6	3	3	2	1	5	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	0	1	0	3	5	7	8	0	-	18	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: AUGUST

STATION : AP LEI CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2	2	0	0	1	0	1	11	5	1	0	5	2	3	0	2	1	0	0	0	0	0	0	0	2
4	0	0	2	0	3	3	28	29	15	3	1	0	0	1	0	1	0	0	2	2	1	0	8	5	4
5	11	M	9	0	3	1	3	3	14	10	10	0	0	0	0	1	1	10	11	8	6	0	0	0	4
6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	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	1	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	3	3	1
9	1	1	5	0	15	10	7	6	5	11	8	12	7	2	7	6	5	2	4	15	11	9	19	34	8
10	16	18	6	8	8	6	12	16	8	13	10	8	5	10	10	13	24	8	6	18	7	5	5	4	10
11	8	4	1	1	4	4	5	6	7	5	0	1	1	3	5	5	1	0	2	1	0	0	1	0	3
12	0	2	3	0	3	1	0	13	14	1	1	0	1	2	2	3	0	0	1	0	0	0	0	0	2
13	0	0	0	4	3	1	1	1	1	1	0	2	1	1	5	0	0	0	0	1	1	0	0	1	1
14	0	0	0	0	0	5	6	5	3	1	7	7	4	3	7	4	6	8	3	9	16	2	14	9	5
15	1	1	5	2	2	11	9	3	1	1	3	1	2	1	4	7	11	15	12	13	1	7	1	3	5
16	2	0	0	0	0	0	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
17	0	0	0	0	0	2	2	0	0	0	4	4	2	3	3	0	0	1	11	3	5	20	3		
18	35	43	19	24	21	38	21	26	22	14	7	6	2	0	8	5	1	1	1	0	0	0	0	0	12
19	0	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	3	2	2	2	7	1	1
20	0	0	0	0	0	1	0	2	1	2	0	0	0	0	0	0	1	0	0	8	2	0	3	1	
21	0	0	0	1	1	0	10	23	17	17	21	20	10	10	1	0	12	23	12	11	8	1	0	0	8
22	0	0	0	14	34	43	61	58	62	37	40	32	34	26	18	13	11	23	25	10	15	36	7	8	25
23	6	29	23	17	39	19	12	10	13	15	12	7	7	8	12	15	23	19	17	24	15	14	33	29	17
24	27	20	8	12	6	3	3	5	10	14	22	20	16	29	25	23	16	16	8	17	10	9	3	9	14
25	3	9	7	3	1	1	6	14	23	20	13	20	27	22	14	10	7	7	5	8	12	10	10	11	11
26	13	8	3	10	4	1	10	21	8	7	8	11	6	9	9	6	10	4	14	7	2	6	1	8	
27	0	14	8	9	1	1	15	21	30	24	29	42	43	39	25	24	19	27	33	28	17	1	27	4	20
28	12	6	1	9	16	8	9	22	43	66	68	43	31	34	19	14	18	20	35	30	13	1	2	10	22
29	5	9	11	8	2	7	7	15	28	51	63	27	19	13	11	8	10	10	18	11	18	7	9	10	16
30	9	10	4	0	2	5	10	17	6	21	18	23	12	20	9	9	10	11	1	0	0	0	0	0	8
31	0	0	0	0	13	5	4	10	2	0	0	0	0	0	3	2	6	16	27	11	10	3	0	14	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		
6	2	7	2	20	28	39	43	0	-	68	0	-	25	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: AUGUST

STATION : CHEUNG CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	5	5	6	5	5	5	5	5	5	6	6	5	6	6	6	5	5	5	5	5	5	5	5	5	6	5
2	5	6	5	5	5	5	5	5	6	6	5	5	6	6	5	6	6	6	5	5	5	5	5	5	7	5
3	5	5	5	6	6	6	6	6	5	5	5	6	6	6	6	6	6	6	6	6	6	5	5	5	7	6
4	6	6	6	5	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	5	5	5	5	5	6	6
5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	4	4	4	4	4	4	5	5
6	4	4	4	4	4	4	4	5	4	4	5	4	5	5	5	5	5	5	5	4	4	4	4	4	6	4
7	5	5	5	5	4	5	6	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	5	7	5
8	6	6	6	5	6	5	6	6	6	5	6	5	6	6	5	6	7	6	7	6	6	5	6	6	7	6
9	6	6	6	6	6	6	7	7	7	6	6	6	7	7	7	7	7	7	6	7	7	6	6	7	7	7
10	6	6	6	6	6	6	5	6	6	5	6	6	6	6	6	6	7	7	6	6	6	6	6	6	7	6
11	6	6	6	6	6	6	7	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	7	6
12	5	5	5	5	6	5	5	5	6	6	5	5	4	5	4	4	5	4	4	4	4	4	4	3	5	5
13	4	4	4	2	5	5	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4	6	4
14	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	5	5	5	5	5	6	5
15	6	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	5	5	5	5	5	5	6	5
16	5	5	5	5	5	5	5	5	5	6	5	5	5	6	6	6	6	6	5	5	5	5	5	5	6	5
17	5	6	6	6	5	6	5	6	6	5	5	5	4	5	6	5	6	5	5	6	5	5	5	5	6	5
18	6	6	6	6	5	6	6	5	6	6	6	6	6	6	6	7	6	6	7	6	6	7	6	8	6	
19	7	7	7	7	6	7	7	6	6	6	6	6	5	5	5	6	6	6	6	5	5	5	5	5	6	6
20	5	5	5	5	5	5	6	6	5	5	5	5	5	5	6	6	6	6	5	5	5	6	5	7	5	
21	5	6	6	6	6	6	6	6	6	6	7	6	6	M	M	1	1	4	3	3	3	3	3	2	6	5
22	3	3	4	4	3	3	3	4	4	4	3	3	4	4	3	4	5	4	4	4	3	3	3	3	5	4
23	5	4	3	4	3	4	5	4	4	4	4	3	4	5	5	5	5	5	4	4	4	4	4	4	5	4
24	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	6	5	5	5	4	4	4	4	6	4
25	4	5	5	5	5	5	4	5	5	4	5	5	5	5	6	6	6	5	5	5	5	5	5	5	6	5
26	5	5	5	6	5	5	5	5	5	6	6	5	6	6	6	6	5	6	5	6	5	5	5	5	6	5
27	6	6	5	6	6	5	6	6	6	6	6	7	6	6	7	7	6	6	6	6	6	5	5	7	6	
28	6	6	5	5	5	6	6	6	5	5	6	5	6	6	6	6	5	5	5	5	5	5	5	5	6	5
29	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	6	6	6	6	5	5	5	5	5	6	5
30	5	5	5	5	5	5	5	5	4	4	4	4	5	5	5	5	5	4	4	5	4	4	4	4	5	5
31	3	4	4	4	4	5	4	4	5	4	4	5	5	5	4	4	5	5	5	3	4	4	4	4	5	4

MONTHLY STATISTICS:														NO. OF TIMES			
GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	ABOVE LIMIT LEVEL			
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA						
5	5	5	5	6	7	7	7	1	-	8	4	-	7	1	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: AUGUST

STATION : CHEUNG CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	4	0	2	1
2	0	0	1	5	0	3	1	1	4	2	0	0	0	0	0	0	1	1	1	1	4	7	5	4	2
3	0	0	1	8	24	48	44	25	0	10	13	0	1	8	9	15	8	3	5	3	4	M	12	1	11
4	11	29	39	41	36	35	4	24	24	25	9	4	2	4	1	4	1	3	2	6	4	5	11	9	14
5	6	18	1	5	8	0	2	1	0	2	1	1	0	0	0	0	1	1	1	0	0	0	1	0	2
6	7	15	17	24	25	9	1	1	1	0	0	0	0	0	0	0	0	0	1	2	2	8	3	7	5
7	12	5	2	0	0	2	2	1	0	0	0	1	0	0	0	0	0	0	0	1	3	2	4	9	2
8	8	14	8	3	2	8	6	10	5	2	3	2	2	1	3	6	3	6	10	4	1	6	10	6	6
9	28	11	5	3	10	15	21	18	15	11	4	1	2	2	1	0	0	0	0	1	0	1	0	4	6
10	2	2	0	0	0	0	4	3	0	2	1	1	0	0	0	0	0	0	2	0	0	1	0	0	1
11	1	1	1	4	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1
12	0	0	0	0	0	0	3	11	17	15	4	2	0	0	0	0	0	0	0	2	0	0	0	1	2
13	1	3	1	0	0	0	4	5	0	0	0	0	0	1	0	0	3	2	11	16	6	0	4	1	2
14	2	4	11	8	6	0	3	0	1	0	1	1	0	0	0	0	0	0	1	0	1	1	3	1	2
15	0	0	1	1	1	1	1	1	0	0	13	0	0	0	0	0	1	0	0	1	0	0	3	6	1
16	6	6	0	1	0	0	2	2	8	16	11	3	0	0	0	0	0	0	1	0	0	3	2	3	3
17	9	3	1	0	2	1	17	13	8	0	0	0	0	2	8	5	3	3	16	5	3	20	24	29	7
18	46	47	35	22	17	42	44	35	23	39	46	32	22	4	9	31	5	3	21	23	16	26	23	9	26
19	1	M	0	0	0	0	1	0	0	0	0	0	1	0	0	2	3	7	15	25	11	10	8	27	5
20	27	17	10	12	14	11	11	13	9	1	0	0	0	0	0	0	0	1	23	12	36	37	51	45	14
21	43	45	42	58	47	59	58	50	31	38	32	22	13	M	M	17	23	28	4	18	34	31	22	25	34
22	38	34	24	15	21	44	18	36	37	17	2	8	4	5	11	10	4	10	6	4	3	19	33	26	18
23	12	28	18	41	19	14	31	21	21	12	7	1	7	4	6	0	1	3	3	7	15	12	11	6	13
24	0	3	2	2	3	15	18	12	11	4	3	2	7	6	2	2	0	0	0	0	0	9	5	3	5
25	1	1	2	0	0	1	1	7	5	1	0	5	0	0	0	0	0	0	0	1	2	2	7	1	2
26	2	29	17	2	5	5	33	8	11	7	9	0	1	0	0	0	0	0	0	0	8	22	17	7	7
27	2	1	0	0	1	4	13	5	11	17	27	25	10	5	14	16	8	4	5	2	0	1	1	2	7
28	6	0	0	0	12	35	44	53	31	22	16	15	12	7	5	1	0	1	75	10	7	3	0	2	15
29	7	8	3	5	35	42	36	27	19	36	21	4	4	4	2	0	1	0	0	3	8	0	0	0	11
30	3	3	1	22	41	30	42	50	30	35	28	15	8	9	4	8	20	16	12	0	0	0	0	3	16
31	0	7	37	37	33	40	32	21	28	3	1	0	0	0	2	2	14	6	5	3	4	4	17	23	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		
6	2	8	2	26	36	44	49	0	-	75	1	-	34	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: SEPTEMBER

STATION : VICTORIA PEAK  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	3	3	2	3	4	3	4	8	4	5	5	6	8	10	7	5	5	4	3	2	3	3	4
2	3	19	7	2	3	5	4	5	8	10	10	14	10	8	7	3	3	5	3	2	2	3	2	3	6
3	2	2	1	3	3	2	2	8	6	6	6	7	7	5	1	1	1	3	5	2	3	1	3	4	4
4	4	3	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1
5	1	1	1	0	1	1	1	1	1	0	0	1	2	2	2	2	4	3	1	1	1	1	1	2	1
6	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	0	1	6	1	2	1
7	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	4	2	1	1	1	1	2	1
9	1	1	1	1	1	1	1	1	1	2	5	5	3	2	2	2	5	5	2	1	1	1	M	8	2
10	4	2	1	2	2	2	1	1	1	1	1	1	1	2	4	5	3	11	5	2	1	2	1	2	2
11	1	1	1	1	1	1	1	1	1	1	3	1	1	1	2	1	4	2	1	2	3	2	1	3	2
12	1	1	1	1	1	1	1	1	2	3	2	2	2	3	1	1	2	2	2	3	3	1	1	2	2
13	1	1	0	0	1	1	1	2	1	2	2	2	3	1	1	1	1	1	1	1	1	1	1	2	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
15	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
16	1	1	1	1	1	1	1	1	1	1	1	M	1	1	1	1	1	2	1	1	1	1	1	2	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	2	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	M	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	M	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	M	1	1
24	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	2
25	2	2	2	2	3	4	2	2	2	3	3	3	4	4	2	2	1	1	1	1	1	1	1	2	2
26	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
28	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	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	
1	1	2	1	3	5	8	10	0	-	19	1	-	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: SEPTEMBER

STATION : VICTORIA PEAK  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	5	19	12	8	3	20	22	11	13	23	22	33	21	16	25	35	25	21	21	14	11	12	22	12	18
2	9	M	19	4	4	6	11	8	19	31	34	40	34	22	16	35	31	29	24	13	17	19	5	3	19
3	2	1	1	7	4	1	4	18	19	23	34	38	25	24	32	21	14	15	36	9	24	13	23	9	17
4	17	4	17	8	2	0	3	6	9	15	12	8	13	12	5	7	12	12	10	7	7	3	3	3	8
5	3	3	1	3	0	1	4	9	16	8	12	12	41	48	55	44	53	51	17	15	2	2	3	2	17
6	3	1	0	5	1	5	1	9	13	32	15	16	20	10	8	7	10	15	17	15	10	32	13	14	11
7	8	3	3	8	4	1	7	8	12	12	13	13	8	4	5	8	8	11	12	8	5	2	1	6	7
8	6	2	1	4	2	2	1	7	23	12	23	36	23	17	20	6	23	54	54	39	23	17	12	12	17
9	13	7	5	4	4	2	3	8	19	33	25	30	18	21	21	25	21	40	15	4	17	10	27	47	17
10	14	5	1	22	18	17	6	4	7	9	5	4	2	9	9	21	20	42	28	17	12	15	10	10	13
11	6	3	0	1	2	4	2	5	4	4	7	2	2	3	8	3	19	14	12	19	24	14	9	18	8
12	7	1	3	2	4	4	1	4	8	8	11	18	19	32	18	11	19	25	32	25	41	38	24	14	15
13	4	2	7	3	1	14	17	13	13	14	14	17	26	7	5	2	2	4	3	3	2	1	2	4	8
14	1	0	0	0	0	0	1	8	17	24	14	10	5	7	7	8	7	4	1	7	9	5	4	4	6
15	2	1	0	0	0	0	1	3	5	5	8	4	5	6	8	14	21	9	11	19	3	4	0	2	5
16	0	M	0	0	0	0	0	2	1	3	4	6	2	2	5	5	7	9	2	5	3	4	1	2	3
17	0	0	0	0	0	1	2	2	3	2	4	3	0	2	5	0	1	3	2	3	1	1	1	3	2
18	0	0	0	0	0	1	0	1	1	1	2	1	0	2	1	1	1	0	0	0	0	2	0	2	1
19	0	0	0	0	0	1	0	2	2	6	3	3	4	2	2	9	2	8	8	5	1	0	1	6	3
20	1	0	0	2	0	0	0	3	8	12	5	4	2	3	4	1	6	2	2	2	5	4	2	5	3
21	0	2	0	0	0	0	4	6	6	6	5	7	4	12	22	21	9	7	5	1	1	0	2	1	5
22	0	0	1	0	0	0	1	3	5	9	19	11	4	10	15	13	8	7	3	1	2	0	0	3	5
23	0	0	1	0	0	0	0	3	10	9	15	10	8	8	8	5	6	6	5	2	5	9	2	2	5
24	1	4	2	2	0	0	10	36	46	48	58	60	53	15	10	21	39	44	32	27	30	27	27	24	26
25	24	6	10	11	26	46	22	22	34	43	37	31	49	41	13	19	24	12	3	4	3	3	2	4	20
26	2	2	1	3	2	2	1	5	7	11	10	6	4	7	7	8	4	4	3	1	1	0	0	1	4
27	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	1	1	2	1	0	1	1	3	1
28	3	0	1	0	0	0	3	12	8	10	14	13	16	12	13	22	20	16	3	1	1	0	1	5	7
29	3	2	1	0	1	1	2	7	14	13	12	5	4	10	8	10	14	11	6	3	1	0	0	2	5
30	0	1	0	0	0	0	1	2	13	15	11	11	13	10	9	9	10	10	7	6	3	16	13	4	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		
6	5	9	5	24	34	44	51	0	-	60	1	-	26	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 : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: SEPTEMBER

YEAR : 2020  
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	3	3	5	5	5	5	4	5	7	9	6	4	3	2	2	2	2	2	2	2	2	2	2	2	4
2	2	2	2	2	3	3	3	4	5	7	10	9	10	4	3	2	2	3	4	4	3	3	4	3	4
3	3	3	2	2	3	4	3	3	8	9	5	5	3	2	2	2	2	2	3	3	4	4	3	3	3
4	3	2	3	4	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
7	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	2	2	2	2	2	2	2	2	
8	2	2	2	2	2	2	1	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	3	3	3	2	3	3	4	2	4	3
10	3	3	3	2	2	2	2	3	3	3	3	4	4	2	3	M	2	2	2	2	3	2	2	2	3
11	3	3	3	3	3	3	3	3	3	3	2	4	3	2	3	3	2	2	2	2	2	3	3	3	3
12	6	4	4	3	3	2	3	3	3	4	4	4	3	3	2	2	2	3	3	4	4	3	2	2	3
13	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	M	M	M	4	2	2	2	1	2	2	1	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2	2	2	1	2	1	1	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	3	4	3	2	3	2	2	2	2	2	3	2	3	2
25	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3
26	3	3	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1	1-HR	10	2	24-HR	DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
2	2	2	2	3	4	5	7	1	-	10	2	-	4	1	92	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: SEPTEMBER

YEAR : 2020

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	8	17	19	21	30	23	31	33	43	39	27	27	17	14	20	27	30	28	17	18	14	41	21	24
2	24	M	30	51	40	31	35	37	36	52	59	47	49	35	33	21	26	45	38	19	17	13	15	10	33
3	8	8	7	10	36	33	15	25	67	74	54	46	23	18	12	15	18	19	54	37	21	14	9	7	26
4	6	8	16	18	11	15	11	13	10	9	7	7	7	11	10	7	7	11	5	5	5	4	7	4	9
5	4	2	2	3	2	2	4	5	5	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
7	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	13	21	16	12	19	14	7	10	10	
8	8	5	6	5	5	7	6	8	7	23	23	14	20	27	18	18	19	13	12	11	5	6	10	13	12
9	11	10	10	12	10	7	7	8	16	18	21	9	6	13	44	20	20	21	14	26	30	25	17	22	17
10	21	11	10	5	10	17	9	23	17	17	22	30	27	16	14	M	17	17	18	11	24	22	24	16	17
11	23	22	21	20	22	19	13	19	12	8	6	16	7	7	18	21	7	16	12	7	23	21	31	30	17
12	38	24	24	18	15	7	12	20	18	22	28	32	19	24	26	22	23	20	36	23	55	45	17	9	24
13	8	7	3	3	21	35	17	11	11	15	16	11	7	5	5	7	6	6	8	11	8	6	4	3	10
14	2	3	2	2	2	2	4	4	4	5	4	4	5	5	4	4	5	4	6	5	7	6	5	4	4
15	4	4	3	3	3	3	3	4	4	3	4	4	M	M	M	9	4	7	3	3	4	5	4	7	4
16	5	M	6	5	3	4	6	4	4	4	3	3	3	3	2	3	2	4	3	5	4	4	2	4	4
17	3	2	3	3	3	4	5	3	3	1	2	2	2	2	4	2	3	5	4	2	2	2	2	1	3
18	1	2	2	2	1	2	3	3	4	3	3	4	4	3	3	3	4	3	3	4	3	3	3	6	3
19	4	1	5	3	3	7	4	5	5	5	5	5	4	4	4	10	6	5	2	1	3	4	2	2	4
20	5	3	3	2	3	3	3	4	5	8	10	8	4	3	5	4	5	8	12	10	13	9	7	6	6
21	8	5	4	7	4	6	8	6	4	4	5	4	6	9	9	10	8	9	5	5	4	6	6	3	6
22	3	6	3	4	4	4	7	8	8	7	6	4	5	4	5	4	6	7	9	11	8	7	6	4	6
23	4	4	3	4	3	3	9	10	10	5	5	6	5	6	6	7	7	9	6	10	8	7	5	4	6
24	5	5	6	6	5	5	7	12	20	22	24	35	42	23	17	23	17	17	17	11	12	9	10	9	15
25	9	7	7	8	19	7	7	8	11	13	14	12	10	9	7	6	8	6	7	8	8	6	5	6	9
26	6	5	4	5	6	4	4	7	7	9	7	7	6	8	7	7	6	6	7	6	5	4	5	4	6
27	3	5	4	3	3	4	5	5	5	5	6	5	4	4	4	4	5	4	6	5	5	5	4	5	5
28	3	3	5	4	3	4	3	5	7	6	5	7	6	6	6	6	6	7	4	5	5	3	3	4	5
29	4	5	3	3	4	4	5	7	8	9	6	5	3	3	8	11	7	9	10	7	10	9	11	6	7
30	5	M	5	4	4	6	4	9	10	5	6	6	5	7	8	11	13	15	11	10	5	6	5	4	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	11	7	23	32	44	51	1	-	74	3	-	33	2	92	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: SEPTEMBER

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	2	2	2	1	3	2	1	3	3	3	5	2	4	2	3	3	3	3	2	2	2	1	2	2
2	1	2	3	2	2	2	2	3	5	6	7	8	5	3	3	2	1	1	1	1	1	1	2	3	3
3	1	1	1	1	1	1	1	2	4	3	4	3	3	2	1	0	1	1	1	1	1	1	1	2	2
4	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	1	1
5	0	0	0	0	0	1	0	0	1	0	0	1	1	1	3	1	2	1	0	1	0	1	0	1	1
6	1	0	0	1	1	0	1	0	0	2	2	1	1	1	0	1	0	0	1	1	0	1	0	2	1
7	1	1	0	0	2	0	1	0	1	0	0	1	0	0	1	1	1	1	1	0	0	0	0	1	1
8	1	1	0	0	1	0	0	0	1	1	0	2	1	3	1	3	2	0	2	0	2	1	0	2	1
9	1	1	2	1	1	0	0	1	2	1	1	2	0	1	3	1	2	2	1	0	2	1	1	1	1
10	2	1	0	2	2	1	1	1	0	1	2	8	1	3	2	2	1	1	2	1	0	2	1	1	2
11	2	0	1	1	0	0	1	1	0	1	1	0	1	0	1	2	0	1	1	1	1	1	0	2	1
12	2	0	1	1	0	1	1	0	1	1	1	1	1	3	1	0	1	1	1	1	1	1	0	1	1
13	1	0	1	0	0	1	0	3	6	9	6	2	3	1	1	0	0	1	0	0	0	0	0	2	2
14	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0
15	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	2	0
16	0	0	1	1	0	0	1	1	1	0	0	0	0	1	0	1	0	1	0	0	0	1	0	1	0
17	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	1	0	0	1	1	1	0
18	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	0
19	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0
20	0	0	0	0	0	0	0	1	1	1	0	1	3	0	0	0	1	0	1	0	0	1	1	0	0
21	1	0	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2	0
23	0	0	1	0	1	0	0	1	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0
24	0	1	0	0	1	0	1	0	0	2	0	1	2	1	0	1	1	2	0	0	1	1	0	2	1
25	1	0	1	1	2	2	1	2	2	2	3	2	2	1	1	1	0	0	1	0	0	1	1	1	1
26	1	0	0	1	0	0	0	1	1	1	1	1	2	0	1	1	1	1	1	0	0	0	0	1	1
27	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0
28	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	1	0
29	0	0	1	0	0	0	1	1	0	0	0	1	0	1	0	1	2	0	0	1	0	0	0	1	0
30	0	0	1	0	1	0	0	0	0	0	1	M	0	1	1	0	0	0	1	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		
1	1	1	1	2	3	3	5	0	-	9	0	-	3	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: SEPTEMBER

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	15	17	7	9	18	28	18	25	26	36	45	24	18	22	31	23	21	21	16	23	21	28	25	22
2	28	M	24	25	26	34	40	35	37	39	39	37	32	21	21	28	38	41	38	26	16	13	15	10	29
3	7	6	5	6	8	7	9	23	30	35	39	29	24	19	20	23	39	26	42	20	21	16	9	10	20
4	10	16	25	13	11	7	15	19	12	11	9	17	14	17	20	11	12	20	15	10	12	8	6	8	13
5	6	5	4	4	4	6	10	13	12	12	8	13	27	41	47	48	41	47	27	23	10	8	9	14	18
6	17	8	14	6	13	10	17	19	15	19	25	15	13	8	6	6	11	18	15	11	13	13	9	11	13
7	7	5	4	7	6	4	13	20	25	19	19	25	21	13	10	12	15	14	15	10	9	6	6	7	12
8	6	5	4	8	6	7	7	17	21	15	19	26	29	25	28	29	28	27	26	26	24	21	21	14	18
9	24	21	16	13	11	14	14	17	19	20	23	17	14	22	24	21	31	17	19	23	20	14	12	20	19
10	23	14	9	7	11	14	11	8	8	16	19	27	17	14	17	14	18	21	23	18	22	18	17	19	16
11	13	10	10	7	9	11	12	15	10	7	8	6	9	6	15	8	10	15	15	19	16	14	17	19	12
12	18	14	7	7	8	8	9	7	9	14	15	17	19	27	19	20	20	26	37	43	53	31	26	22	20
13	25	12	13	17	23	17	19	30	48	45	46	34	28	10	10	8	7	7	8	6	6	6	5	7	18
14	4	3	3	3	3	3	5	6	7	10	7	6	6	6	8	8	6	7	7	9	8	6	5	5	6
15	5	3	2	3	2	2	4	7	8	10	5	5	8	10	8	10	12	9	11	17	7	6	5	7	7
16	6	M	4	4	3	2	4	4	5	4	4	4	4	4	4	4	5	6	7	6	4	4	4	4	4
17	3	2	1	2	3	2	4	4	4	4	3	3	2	3	4	2	3	4	4	4	3	3	2	5	3
18	5	3	2	3	1	2	3	4	4	3	4	5	4	5	4	6	4	5	5	4	4	4	3	5	4
19	3	3	3	3	3	4	4	5	5	6	7	6	8	7	7	12	8	6	5	6	6	6	5	6	6
20	4	6	9	6	2	2	4	7	8	13	10	14	23	12	6	5	5	8	7	6	7	8	6	7	8
21	5	5	2	3	4	3	6	8	7	6	6	7	8	10	10	12	12	14	14	8	7	6	5	5	7
22	3	4	5	4	4	4	6	8	7	8	7	8	6	6	7	7	9	10	8	7	8	5	4	7	6
23	5	4	5	3	3	4	7	8	12	12	9	10	9	10	10	11	10	13	8	9	8	8	8	8	8
24	6	6	6	6	4	4	7	22	29	32	37	40	36	20	16	17	21	25	20	24	24	24	24	23	20
25	28	17	13	20	28	28	32	26	29	29	24	31	41	31	15	13	11	12	9	8	7	7	6	6	20
26	6	6	4	6	5	5	5	7	8	9	9	8	8	9	7	7	7	7	7	6	6	4	4	5	6
27	3	3	3	3	3	3	4	4	4	5	5	6	6	5	5	5	5	4	5	5	4	5	4	5	4
28	4	3	3	2	2	3	4	7	9	9	11	11	13	9	9	10	9	10	9	7	10	8	8	7	7
29	9	4	4	4	4	4	6	9	12	12	10	9	14	25	12	25	36	19	14	12	8	6	6	8	11
30	7	M	5	4	9	5	10	9	11	10	21	M	8	5	5	6	6	10	9	5	2	10	11	1	8

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	9	12	9	26	31	40	45	1	-	53	3	-	29	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: SEPTEMBER

STATION : POK FU LAM  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	6	6	6	6	8	7	6	6	9	8	10	7	9	7	7	7	5	6	4	5	5	4	14	7
2	8	7	6	7	6	6	7	8	13	15	22	20	13	7	7	5	4	4	4	4	4	4	4	15	8
3	6	5	5	5	4	4	5	7	10	9	10	9	7	4	3	2	4	6	3	3	4	4	3	13	6
4	5	4	4	5	4	3	3	3	3	4	4	4	2	3	3	3	2	3	2	2	2	2	2	12	4
5	5	4	3	3	3	3	3	3	2	2	2	3	3	4	6	5	4	4	3	2	2	2	2	10	3
6	7	4	3	3	4	3	3	3	3	3	5	3	4	3	3	3	3	3	3	3	3	2	2	15	4
7	6	4	4	4	3	3	3	2	3	2	3	4	3	3	3	3	3	2	3	3	3	2	2	5	3
8	3	3	3	3	2	2	2	3	3	2	2	2	4	5	12	14	9	5	4	4	5	7	4	13	5
9	6	5	6	5	3	3	3	3	4	5	6	9	4	4	5	4	7	4	3	3	3	2	2	16	5
10	7	5	4	4	5	5	4	3	3	4	4	15	5	4	4	6	4	4	4	3	3	3	3	15	5
11	7	5	4	4	4	4	4	4	4	4	4	3	3	3	4	3	4	3	4	3	3	3	3	14	4
12	6	5	3	3	4	3	3	3	5	5	5	5	4	4	3	3	4	3	3	5	4	3	2	13	4
13	5	3	3	3	3	5	5	5	14	17	12	8	7	4	3	3	3	3	3	2	3	2	2	13	5
14	5	4	3	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	13	3
15	6	5	4	3	3	3	3	3	2	3	3	3	2	2	3	3	3	2	2	3	3	3	2	13	3
16	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	14	4
17	6	4	4	4	4	4	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	2	3	14	4
18	6	4	4	3	3	3	3	3	2	2	3	3	3	3	2	3	3	3	3	3	2	2	2	14	3
19	6	4	3	3	3	3	3	3	4	4	2	3	3	3	2	2	2	2	2	2	2	2	2	13	3
20	5	4	4	3	3	3	3	3	3	3	2	4	7	3	2	2	4	3	3	3	3	3	3	15	4
21	6	4	4	4	3	3	3	3	4	2	0	1	1	2	3	2	2	3	3	3	2	2	2	14	3
22	6	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	14	4
23	5	2	3	3	3	3	3	3	3	4	3	M	12	3	4	4	4	4	4	3	3	3	3	5	4
24	3	3	3	4	4	3	3	4	5	5	5	5	6	4	4	5	5	5	4	6	2	2	3	8	4
25	4	1	3	5	5	8	5	5	12	9	M	14	11	7	5	5	3	3	4	6	6	5	6	15	6
26	7	4	5	5	5	5	5	6	6	8	11	8	6	8	6	2	0	3	5	5	3	2	2	12	5
27	4	4	6	5	5	5	3	2	1	4	8	8	12	6	4	0	0	5	3	4	4	3	4	12	5
28	5	4	4	3	4	4	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	4	14	4
29	7	6	5	4	2	3	2	3	3	6	4	3	4	3	4	M	M	2	0	0	0	0	0	2	3
30	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

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	4	3	7	12	14	15	0	-	22	0	-	8	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: SEPTEMBER

STATION : POK FU LAM  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	18	22	20	12	31	43	43	31	23	34	40	54	23	28	23	26	28	27	27	20	28	40	46	42	30
2	45	32	27	48	56	62	59	58	57	58	64	59	49	25	39	40	61	41	38	19	10	10	13	9	41
3	8	8	9	15	14	11	21	43	44	49	55	35	30	24	24	36	45	40	16	13	16	14	12	14	25
4	10	12	21	12	7	5	11	13	15	13	13	16	13	26	22	12	15	13	12	17	15	14	8	8	13
5	7	7	7	14	12	12	28	13	12	11	5	35	34	68	80	58	42	61	28	36	10	6	8	52	27
6	75	M	5	M	35	30	14	13	22	28	30	10	14	8	6	6	13	17	13	11	11	11	8	12	18
7	8	5	6	8	4	4	18	9	28	19	19	41	18	11	10	11	14	10	15	10	8	7	6	5	12
8	5	4	7	8	5	5	9	22	28	22	34	46	47	41	40	45	44	45	49	50	51	52	30	31	30
9	27	29	41	28	13	23	21	21	28	35	31	21	15	28	37	31	45	34	28	21	15	14	13	32	26
10	31	18	8	13	19	21	11	9	30	34	34	46	12	9	11	21	21	27	27	18	15	20	19	19	21
11	14	10	8	8	12	13	13	23	12	7	10	6	11	7	13	7	18	16	19	12	13	17	17	18	13
12	18	11	7	10	10	12	7	18	20	18	20	22	28	33	35	21	19	28	36	38	76	50	35	24	25
13	22	10	31	22	17	58	37	45	63	69	58	39	34	8	9	8	6	9	10	8	8	6	7	8	25
14	5	3	2	4	2	3	5	10	13	11	14	11	7	9	14	11	9	9	7	14	16	10	9	7	9
15	5	4	3	2	2	2	6	8	13	9	6	5	9	7	5	12	17	12	14	22	8	7	3	4	8
16	2	2	2	3	1	1	4	3	2	3	3	3	3	3	2	4	6	11	9	12	9	8	5	5	4
17	4	2	3	3	3	4	6	5	9	6	8	6	4	5	7	3	3	6	6	9	5	5	5	4	5
18	4	3	2	2	1	3	3	5	4	3	2	2	3	3	3	2	3	3	2	2	2	3	1	3	3
19	1	1	1	2	2	4	3	3	4	7	7	5	5	4	5	11	4	4	3	3	3	6	5	7	4
20	7	M	8	8	2	2	4	6	8	20	9	15	31	9	4	6	6	8	5	6	8	9	6	7	8
21	4	5	2	3	3	3	8	13	11	9	6	5	5	6	19	13	9	10	9	6	6	4	5	4	7
22	2	2	3	2	2	3	4	8	9	8	7	4	5	5	7	5	6	6	5	6	7	5	4	4	5
23	2	2	4	2	3	2	3	11	14	11	17	M	17	11	12	11	13	7	9	6	5	6	7	6	8
24	3	5	6	6	4	4	34	49	57	54	65	58	48	24	24	24	34	44	35	43	29	33	35	31	31
25	35	25	29	55	61	59	47	49	52	47	M	49	61	43	17	27	19	13	9	9	9	8	7	7	32
26	6	7	5	6	6	6	5	10	12	15	12	9	8	13	8	9	10	9	8	6	5	4	4	3	8
27	2	3	3	4	3	4	5	5	5	6	6	5	5	5	4	5	6	6	7	5	4	6	4	5	5
28	6	4	5	4	2	3	8	13	14	15	16	13	21	12	15	22	22	18	15	8	22	13	10	8	12
29	7	5	4	4	4	4	6	14	22	19	15	12	21	46	24	M	M	46	27	28	22	16	17	20	17
30	15	12	11	10	13	12	13	17	22	32	50	28	17	13	12	15	14	13	12	11	10	20	22	13	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		
11	11	16	11	41	49	59	63	1	-	80	3	-	41	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: SEPTEMBER

STATION : AP LEI CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	8	7	3	4	4	4	4	14	21	9	11	5	6	6	6	5	4	4	3	4	1	1	1	6
2	0	2	5	3	1	2	3	4	8	11	13	15	11	5	6	3	2	2	4	2	3	2	3	4	5
3	3	2	1	1	4	3	2	3	7	7	7	7	7	4	1	0	1	2	3	1	2	2	0	1	3
4	0	2	3	1	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	4	1	0	0	0	0	0	2	1
6	1	0	0	0	2	2	1	0	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0
7	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
8	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	3	1	0	0	0	0	0	0	1	1
9	0	0	0	0	0	0	0	0	0	1	2	2	1	4	2	1	5	2	1	0	2	2	1	2	1
10	2	1	1	0	0	0	0	2	1	9	8	9	3	2	1	1	2	1	2	0	0	2	1	2	2
11	1	2	2	0	1	2	1	4	1	2	1	2	1	1	2	1	1	4	1	0	1	1	1	5	2
12	8	3	3	1	1	0	1	0	3	5	2	3	3	5	0	0	3	3	3	4	6	0	0	0	2
13	0	0	0	2	2	2	0	10	14	13	6	3	1	0	0	0	0	0	0	0	0	0	0	0	2
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	0	0	0	0	0	0	0	0	0	1	0
17	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
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	9	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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
24	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	2	1	0	2	2	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	0	0	0	0	0	0	0	0	0	0	0	0
27	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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

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			
2	0	1	0	3	5	8	11	0	-	21	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: SEPTEMBER

STATION : AP LEI CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	25	34	36	22	28	29	32	29	49	58	52	60	28	20	26	28	23	18	23	17	29	10	20	18	30
2	22	M	31	47	19	28	43	35	29	42	52	51	47	32	29	32	42	57	50	17	19	9	12	7	33
3	1	1	2	7	33	16	10	39	43	52	52	45	34	27	12	27	45	42	70	14	9	7	0	16	25
4	16	47	57	11	5	3	3	18	14	8	9	7	4	8	3	0	0	2	0	0	0	0	0	0	9
5	0	0	0	0	0	0	0	3	1	0	7	3	26	58	72	78	58	16	6	3	0	1	3	17	15
6	26	9	0	1	34	49	26	2	0	3	12	1	2	0	0	0	4	6	6	6	2	0	0	1	8
7	0	0	0	0	0	0	3	5	16	10	15	8	0	0	0	0	3	1	0	1	1	0	0	0	3
8	0	0	0	0	1	1	0	8	24	18	31	41	40	31	27	26	17	15	27	22	15	12	4	10	15
9	11	10	2	0	11	4	13	18	23	23	16	11	4	26	9	5	33	30	20	13	34	20	22	18	16
10	9	3	4	6	5	10	5	12	24	49	45	45	14	15	8	15	29	8	17	7	7	18	15	14	16
11	11	13	11	4	12	11	13	23	6	5	11	16	13	6	15	8	4	17	8	6	15	24	18	27	12
12	30	15	14	5	7	5	18	6	20	22	17	25	27	21	19	21	23	53	78	77	81	28	25	12	27
13	15	7	0	34	45	40	33	54	58	60	28	13	6	0	0	0	0	0	0	0	0	0	0	0	16
14	0	0	0	0	0	0	1	2	2	1	2	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	6	0	0	3	11	2	6	13	0	0	0	0	2
16	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	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
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	3	0	0	4	0	3	4	1	1
20	0	0	0	0	0	0	0	2	6	10	9	8	10	0	0	0	0	0	0	0	0	1	1	0	2
21	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	2	4	0	0	2	0	0	1
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	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
24	0	0	0	0	0	0	6	21	32	34	56	53	56	28	22	21	9	7	10	9	7	19	22	26	18
25	18	9	1	29	42	29	36	23	42	42	41	46	45	1	0	0	0	0	0	0	0	0	0	0	17
26	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
27	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	3	0	0	0	2	4	2	7	7	7	6	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	3	1	0	2	7	6	19	28	28	31	2	0	1	0	0	0	3	5
30	0	M	1	0	0	0	7	7	4	0	0	0	0	0	0	0	0	0	0	0	0	5	20	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		
11	0	9	0	30	45	56	60	0	-	81	0	-	33	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: SEPTEMBER

STATION : CHEUNG CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2020  
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	4	4	4	4	4	4	4	4	4	4	4	5	6	6	5	5	5	5	5	4	4	6	5
2	5	5	4	4	4	4	4	5	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	6	4
3	4	5	5	4	4	5	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	3	4	5	4
4	4	4	4	4	4	5	4	5	4	4	4	4	3	3	5	4	5	5	4	4	3	4	3	6	4
5	4	4	4	4	4	4	4	4	3	3	3	4	4	4	5	5	5	5	5	4	4	4	4	5	4
6	4	5	5	4	4	4	5	5	4	4	4	4	4	5	5	5	4	4	5	5	4	4	4	6	4
7	4	5	5	5	5	4	4	4	4	4	5	5	4	4	4	5	4	4	4	4	4	4	4	5	4
8	4	4	4	4	4	3	4	4	3	2	4	4	4	4	4	4	4	3	3	3	3	3	3	5	4
9	4	4	3	3	3	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	3	3	4	5	4
10	4	4	4	5	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	4	4	6	5
11	5	5	4	5	5	4	5	5	4	4	4	4	4	5	4	5	5	5	5	4	4	4	4	5	5
12	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	3	3	4	4
13	3	3	3	4	3	3	4	4	4	6	6	4	4	4	4	4	4	4	4	4	3	3	3	5	4
14	4	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	3	3	5	4
15	4	4	4	4	5	4	4	5	4	4	4	4	4	5	5	5	6	5	5	6	4	5	4	6	5
16	5	5	5	5	4	4	4	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5
17	5	5	5	5	5	5	5	5	5	6	5	6	6	6	6	6	6	6	5	5	5	4	4	7	5
18	5	5	5	5	6	5	5	4	4	4	4	4	5	5	5	5	5	5	5	4	4	4	4	6	5
19	4	4	4	4	4	4	4	4	4	3	3	4	M	7	4	4	5	4	3	3	3	3	3	5	4
20	4	4	4	5	5	6	5	5	5	4	4	4	4	5	5	5	4	4	4	4	4	3	3	5	4
21	4	5	4	4	5	4	4	5	4	5	4	4	4	M	M	0	0	0	0	0	0	0	0	0	3
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	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
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	6	2	1	1	0	1	1	3	1
25	2	1	1	2	2	2	2	2	2	2	3	9	7	4	3	2	2	1	1	1	1	1	1	2	2
26	2	1	1	2	1	1	1	1	1	1	2	2	2	3	3	2	2	2	2	1	1	1	1	2	2
27	1	1	1	1	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	1
28	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1	0	0	1	0	2	1
29	1	1	1	1	1	1	1	1	1	1	1	0	0	1	2	2	2	2	1	1	1	1	1	3	1
30	1	1	1	2	1	2	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	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		
3	4	3	4	5	5	6	6	0	-	9	0	-	5	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: SEPTEMBER

STATION : CHEUNG CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2020  
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	32	13	9	11	8	16	12	25	30	11	6	15	10	13	14	14	16	18	11	4	6	3	5	14
2	20	M	13	11	45	51	57	44	30	21	23	15	6	4	7	8	20	27	60	193	119	99	76	102	46
3	93	54	61	50	31	51	67	54	47	19	19	35	11	8	12	3	2	6	12	12	15	48	72	46	35
4	73	35	31	59	82	58	51	62	36	17	6	5	1	1	25	21	14	15	18	4	0	3	0	7	26
5	5	4	17	11	13	2	43	22	1	1	4	18	38	42	60	58	39	30	29	18	6	28	64	59	26
6	47	47	43	51	44	46	71	37	33	15	12	4	1	0	0	3	6	0	1	0	2	0	4	22	20
7	28	35	37	26	34	48	9	15	14	37	39	42	23	12	5	5	4	4	1	5	16	24	21	8	21
8	13	19	13	10	4	0	11	18	0	0	10	50	56	48	46	35	24	34	43	29	33	15	6	40	23
9	49	48	49	35	25	42	42	37	18	1	11	10	15	1	0	1	3	5	8	5	7	13	22	24	20
10	37	28	27	22	16	15	15	1	11	35	37	32	17	12	7	3	6	6	2	3	7	17	11	3	15
11	12	6	7	8	15	15	22	15	1	3	1	2	14	15	3	7	3	1	1	6	16	13	13	11	9
12	15	12	8	10	22	9	15	22	14	16	18	18	14	9	6	44	66	80	94	85	45	37	49	51	32
13	55	45	41	30	15	25	27	39	20	55	42	28	12	3	0	1	0	0	0	1	1	1	0	5	19
14	0	0	1	8	3	0	9	41	50	20	3	2	8	1	2	2	1	0	2	3	3	5	1	6	7
15	1	2	4	1	4	10	20	32	11	8	0	2	1	0	4	23	41	24	27	45	50	50	15	2	16
16	0	M	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	4	1	2	7	10	1
17	6	1	4	4	3	1	5	7	5	7	6	12	2	6	8	1	1	0	0	3	5	6	13	4	5
18	3	10	5	0	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	1
19	1	0	0	1	1	6	1	4	2	0	0	0	M	0	0	0	0	0	2	1	7	3	6	0	2
20	1	21	33	32	41	45	39	29	24	34	20	7	0	9	9	6	6	8	7	5	2	3	18	6	17
21	17	10	2	2	4	0	0	17	6	1	0	0	0	M	M	13	1	6	1	2	13	33	31	9	8
22	11	3	1	0	1	1	0	2	2	0	0	0	0	0	0	0	0	1	2	2	0	0	0	5	1
23	5	4	7	0	0	2	3	4	1	0	0	0	0	0	1	1	1	1	1	2	4	1	5	19	3
24	15	14	10	1	15	27	34	36	26	21	26	25	9	15	7	11	21	18	15	13	11	12	13	32	18
25	49	44	38	34	31	38	42	35	35	38	36	44	36	11	5	0	1	5	1	2	2	1	2	5	22
26	1	7	2	3	4	1	1	1	5	7	3	0	0	0	1	0	1	0	2	2	0	0	0	3	2
27	0	0	0	0	3	8	10	9	9	6	6	8	6	2	0	0	0	1	2	2	0	2	1	9	4
28	13	11	10	9	12	2	5	10	20	16	7	16	19	20	13	16	25	16	4	1	2	6	18	11	12
29	2	6	6	3	10	6	7	10	14	11	1	10	22	20	12	18	13	8	5	9	3	6	6	5	9
30	5	M	4	3	10	61	60	49	19	1	1	1	0	0	0	0	0	5	2	7	18	12	21	31	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		
9	7	15	7	42	51	65	82	0	-	193	1	-	46	4	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 : July - September 2020

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
04/07/20	7	21	11	16	8.1	7.9	8.0
11/07/20	7	20	11	15	8.1	7.8	8.0
18/07/20	6*	18	13	15	8.2	7.9	8.0
25/07/20	7	21	15	18	8.1	7.9	8.0
01/08/20	7	25	15	20	8.0	7.9	8.0
08/08/20	5*	20	9	14	8.0	7.8	7.9
15/08/20	6*	14	7	11	8.0	7.7	7.9
22/08/20	6*	12	6	8	8.0	7.7	7.9
29/08/20	5*	8	6	7	8.0	7.7	7.8
05/09/20	6*	10	6	8	8.0	7.9	8.0
12/09/20	6*	10	6	8	8.0	7.8	7.9
19/09/20	7	19	11	15	8.0	7.9	8.0
26/09/20	7	18	9	12	8.0	7.9	8.0

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 : July - September  
2020

Sampling date		7/7/2020	11/8/2020	9/9/2020
Barium,	ug/L	<150	<150	<150
Mercury,	ug/L	<0.5	<0.5	<0.5
Cadmium,	ug/L	3.2	2.4	2.6
Iron,	ug/L	<400	<400	<400
Total Phosphorous,	mg/L	<0.8	<0.8	<0.8
Total Nitrogen,	mg/L	58	47	54
Cyanide,	mg/L	0.02	0.01	<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

<b>EM&amp;A Log Ref.</b>	<b>Mitigation Measures</b>	<b>Implementation Status</b>
	<b>GENERAL</b>	
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
	<b>WATER QUALITY</b>	
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
	<b>WASTE</b>	
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
	<b>NOISE</b>	
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