

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 2021**

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 2021)
Date	29 December 2021
Certified by	 (Mr. CHAN Hon Yeung, 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 2021.

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

Unit L4 was fully available in the reporting period. Units L2 and L5 were out of service during the following period:

Unit	Period	Remark
L2	29/9/2021 23:10 to 30/9/2021 23:59	Unit overhaul
L5	21/7/2021 00:00 to 25/7/2021 22:31	Turbine 'B' side TV passing repair

### 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

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
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(13)	01/01/2021	31/12/2022	HK Electric	01/12/2020
WPCO discharge licence for Ash Lagoon	WT00027218-2017	24/02/2017	31/12/2021	HK Electric	24/02/2017

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

Environmental mitigation measures were implemented in the reporting period.

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

During the reporting period, there was one environmental feedback case regarding the operation of Lamma Power Station as summarized in Section 4.6. The reported issue was 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 2021.

### 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

Unit L4 was fully available in the reporting period. Units L2 and L5 were out of service during the following period:

Unit	Period	Remark
L2	29/9/2021 23:10 to 30/9/2021 23:59	Unit overhaul
L5	21/7/2021 00:00 to 25/7/2021 22:31	Turbine 'B' side TV passing repair

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

Equipment	Period	Cause	Actions Taken
L2 FGD	06:51 on 28/09/2021 to 12:05 on 23/10/2021	FGD plant was bypassed pre-overhaul washing and maintenance	EPD was informed on 26/10/2021
L4 FGD	02:43 on 10/07/2021 to 02:46 on 10/07/2021	Routine Dampers Exercise	EPD was informed on 03/08/2021
L4 FGD	01:21 on 18/07/2021 to 01:23 on 18/07/2021	Routine Dampers Exercise	EPD was informed on 03/08/2021
L4 FGD	02:16 on 25/07/2021 to 02:18 on 25/07/2021	Routine Dampers Exercise	EPD was informed on 03/08/2021
L4 FGD	03:38 on 31/07/2021 to 03:41 on 31/07/2021	Routine Dampers Exercise	EPD was informed on 03/08/2021
L5 FGD	02:34 on 10/07/2021 to 02:39 on 10/07/2021	Routine Dampers Exercise	EPD was informed on 03/08/2021
L5 FGD	02:04 on 18/07/2021 to 02:07 on 18/07/2021	Routine Dampers Exercise	EPD was informed on 03/08/2021
L5 FGD	03:33 on 31/07/2021 to 03:36 on 31/07/2021	Routine Dampers Exercise	EPD was informed on 03/08/2021
L5 FGD	01:11 on 28/08/2021 to 01:13 on 28/08/2021	Routine Dampers Exercise	EPD was informed on 01/09/2021

L5 FGD	04:19 on 18/09/2021 to 04:22 on 18/09/2021	Routine Dampers Exercise	EPD was informed on 04/10/2021
L5 FGD	01:44 on 25/09/2021 to 01:47 on 25/09/2021	Routine Dampers Exercise	EPD was informed on 04/10/2021

## 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.

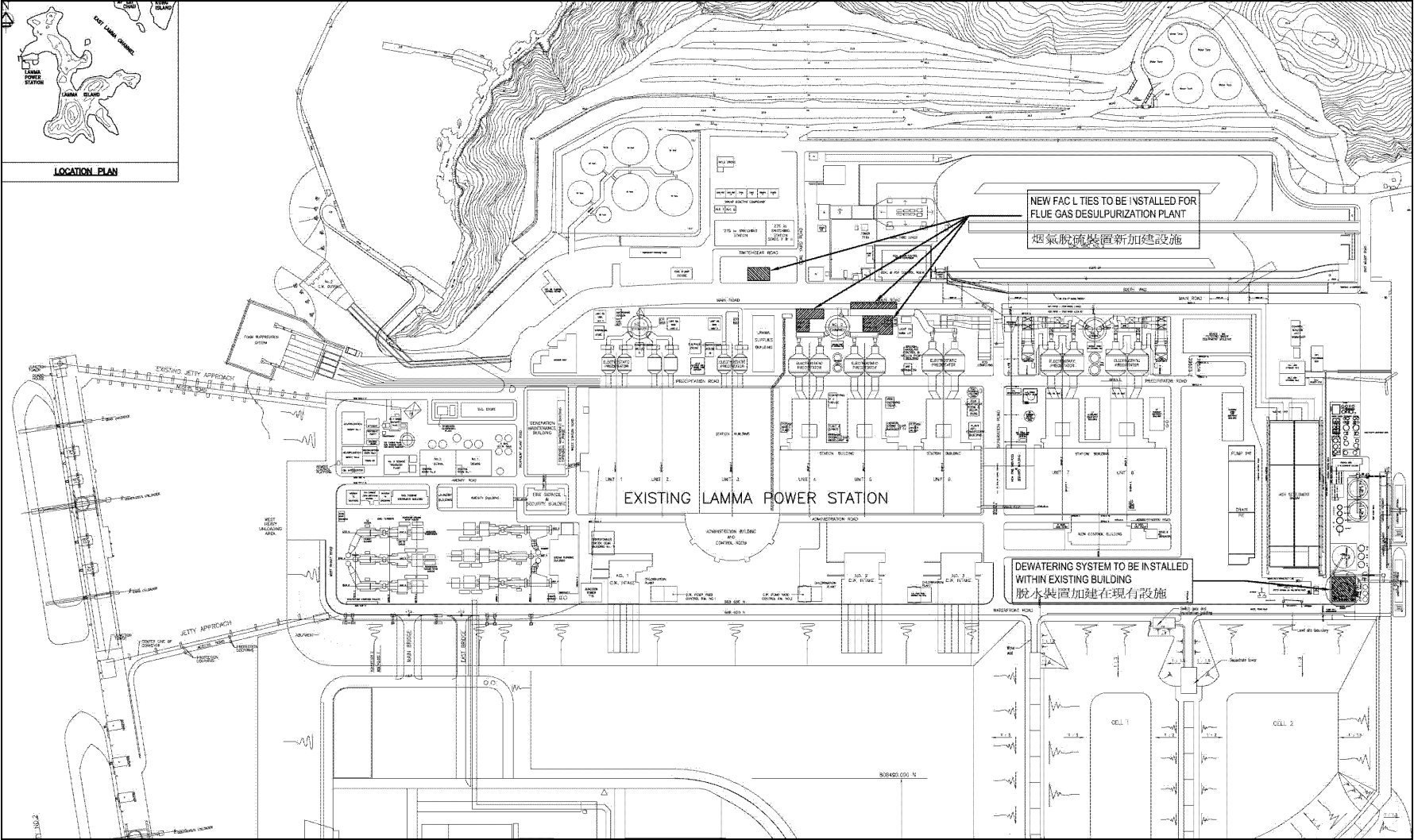


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

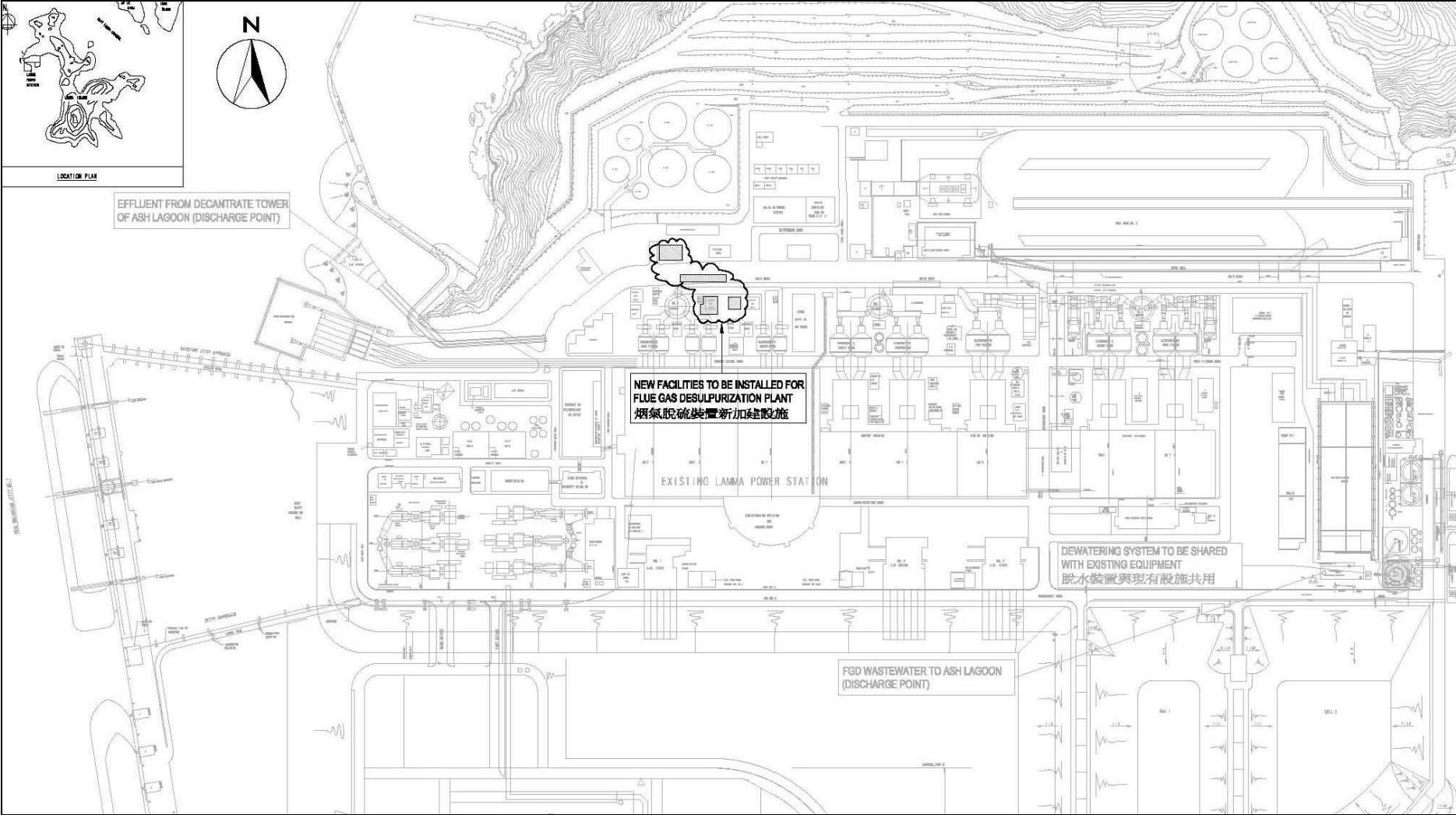


Figure 1.1b Location of New Facilities for L2 FGD Plant

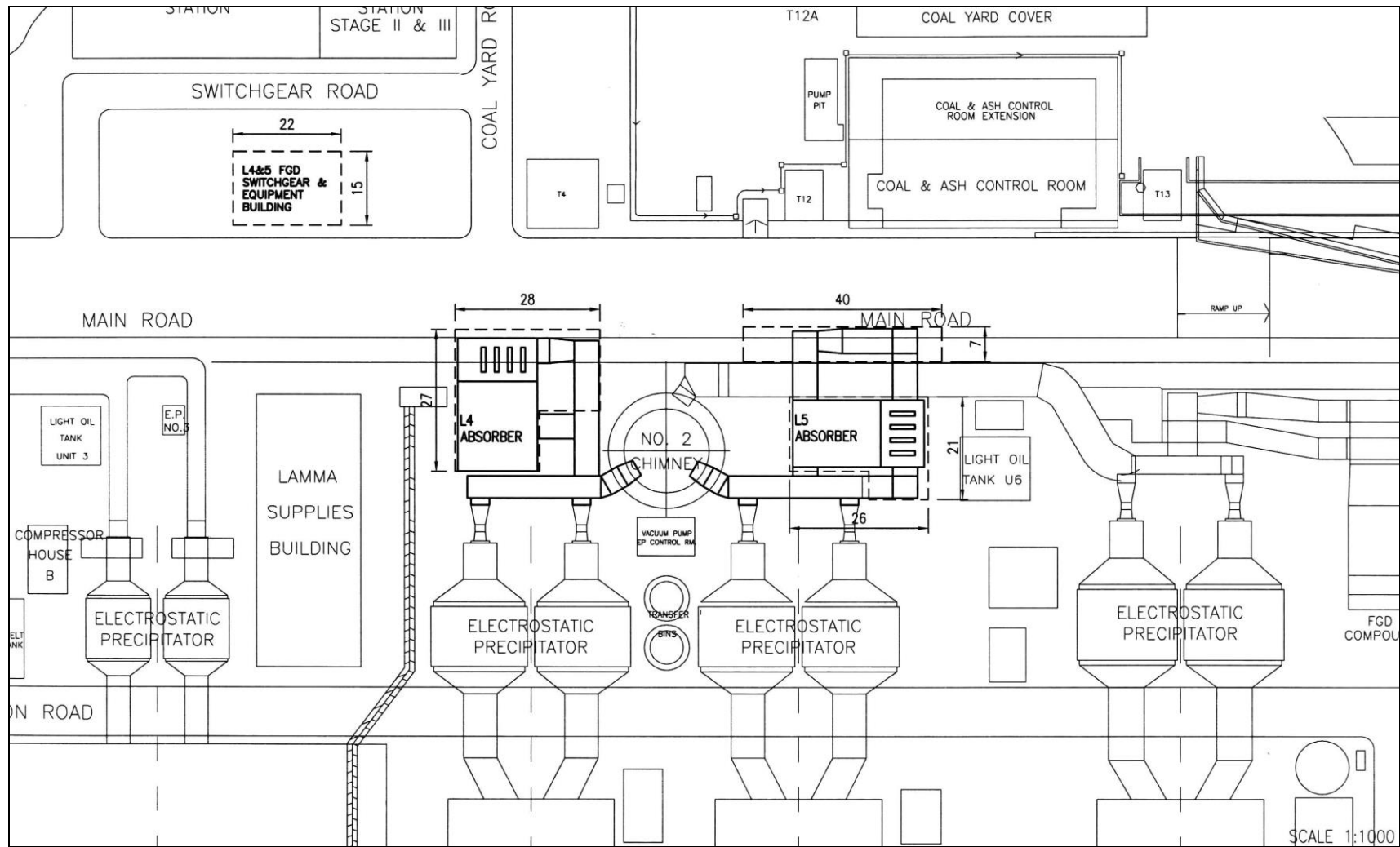


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

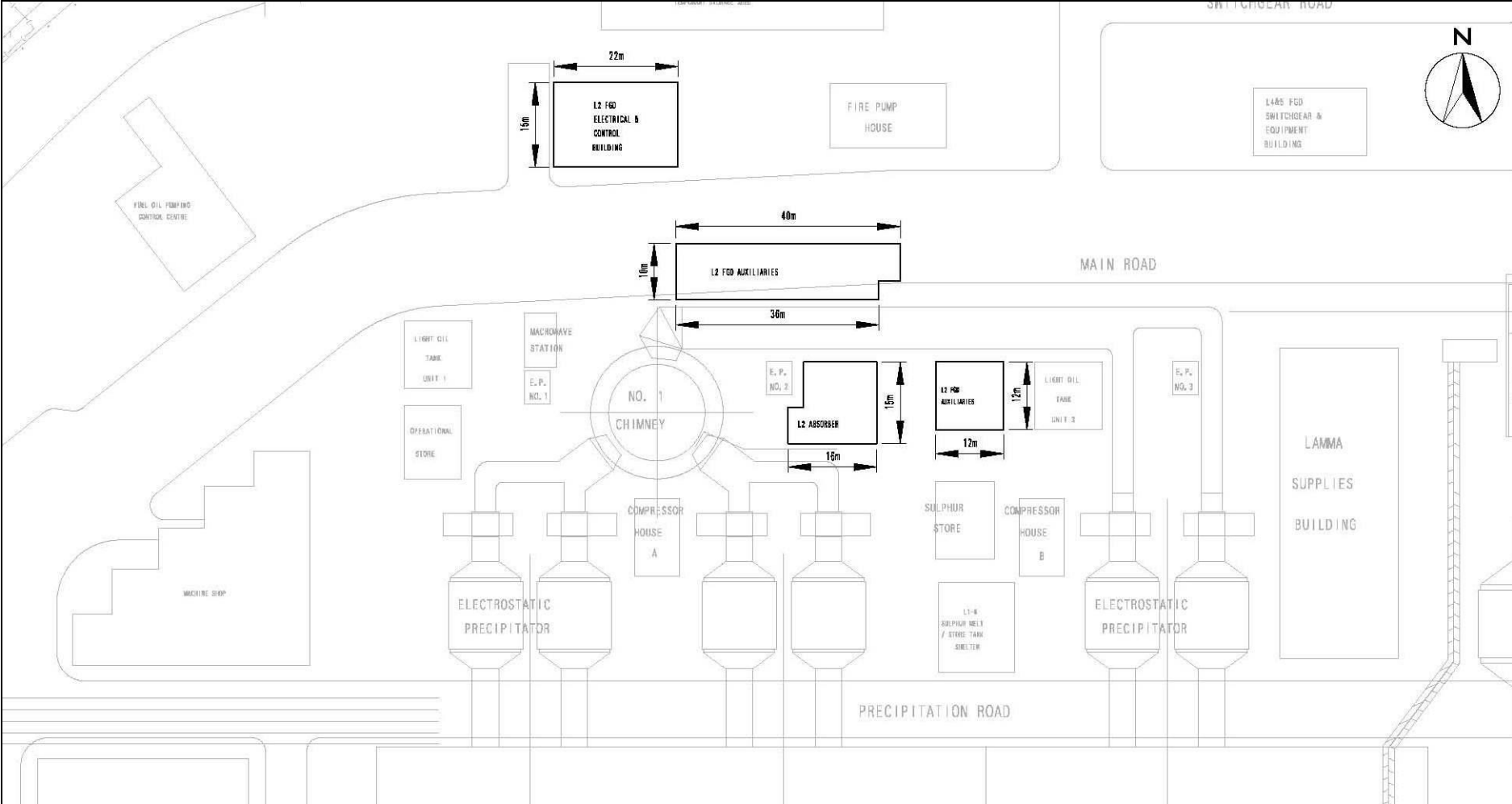


Figure 1.2b General Arrangement of L2 FGD Plant

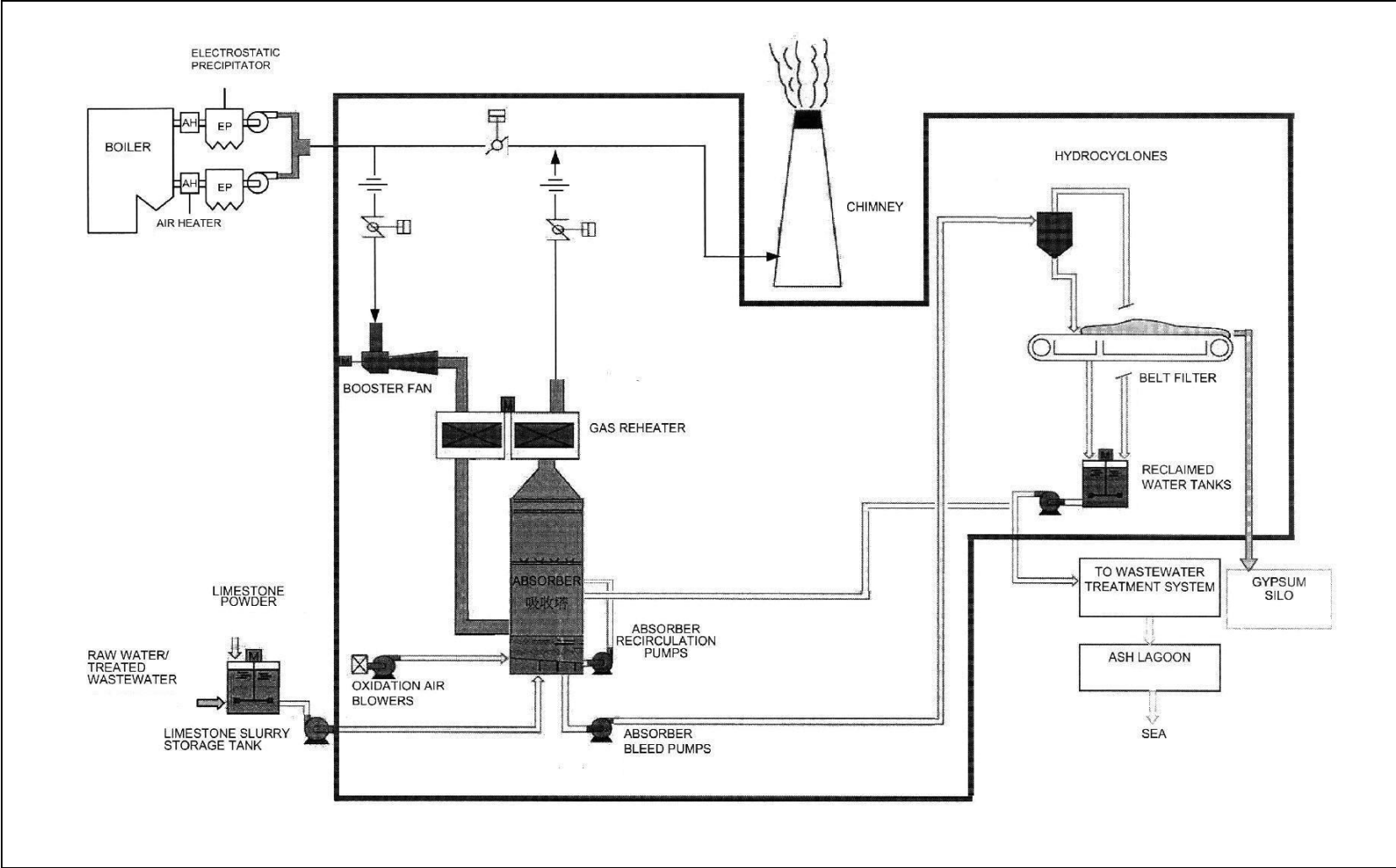


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

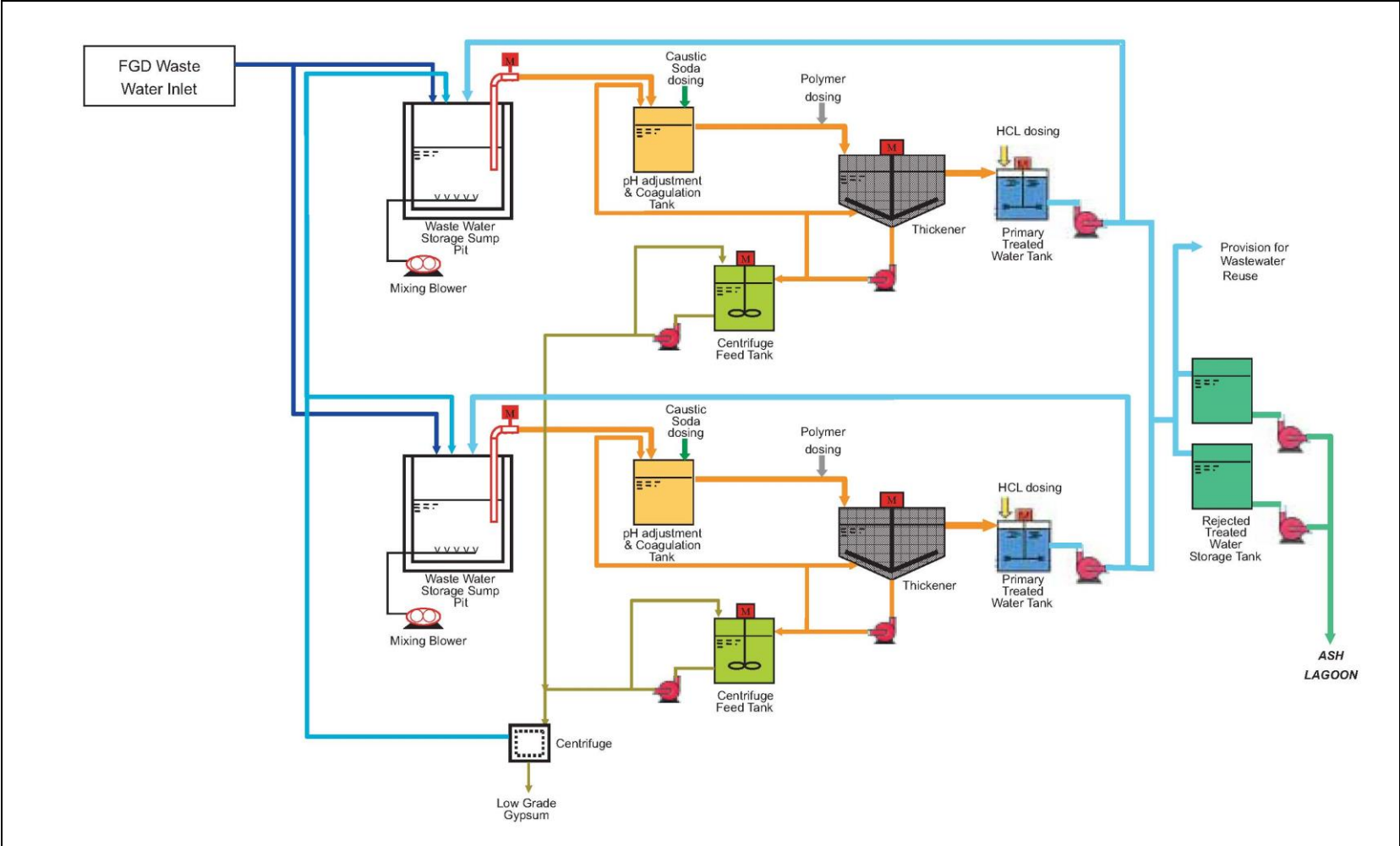


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

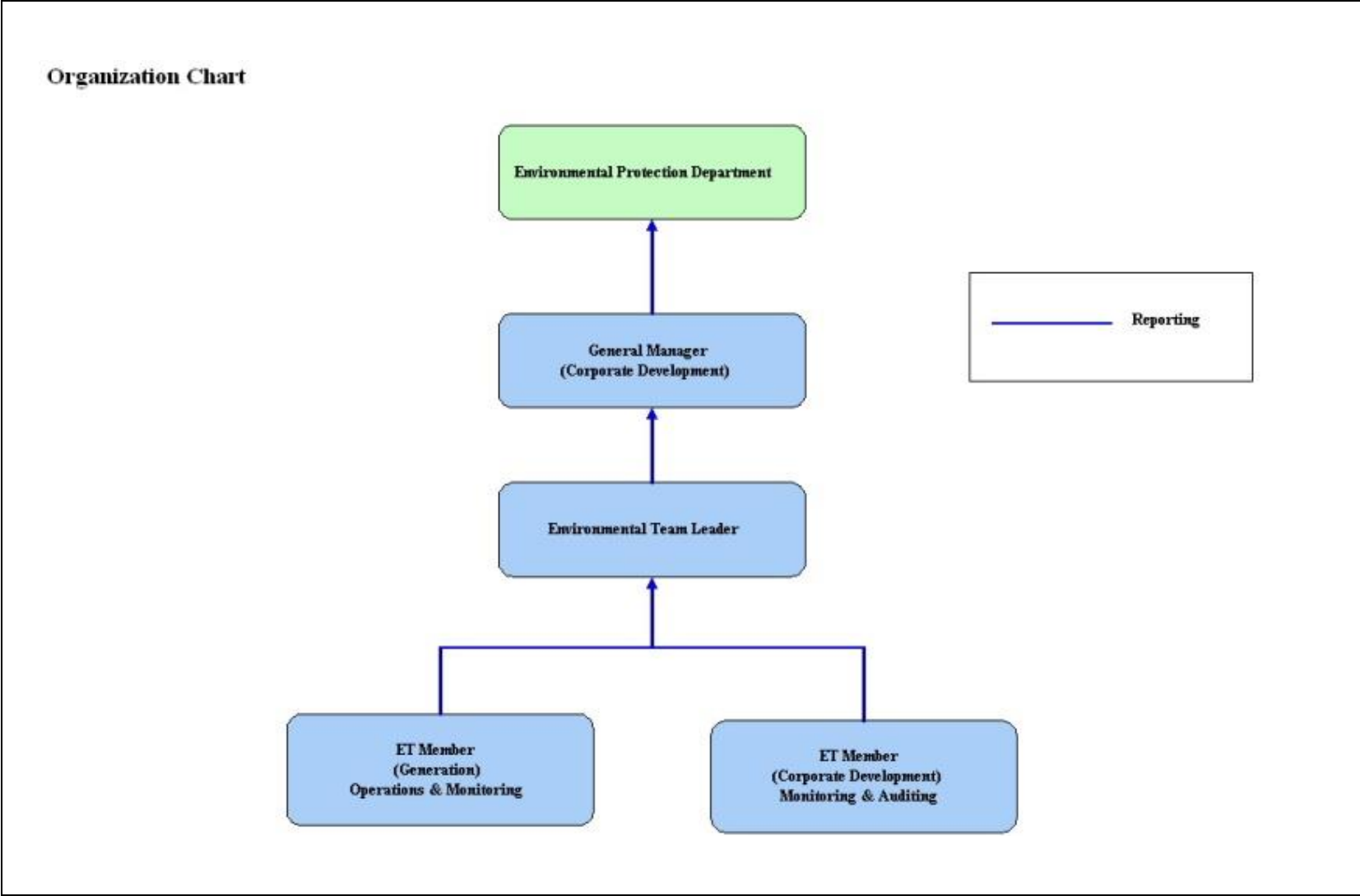


Figure 1.5 Organization Structure at Operational Phase of the Projects

## 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.	01/07/21-30/09/21	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	01/07/21-30/09/21	0	0	
3	Ambient SO2 & NOx monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and Cheung Chau.	01/07/21-30/09/21	0	0	
Water					
1	pH in WWTP Effluent	01/07/21-30/09/21	0	0	
2	Suspended Solids in WWTP Effluent	01/07/21-30/09/21	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	01/07/21-30/09/21	0	0	
4	Barium in WWTP Effluent	01/07/21-30/09/21	0	0	
5	Mercury in WWTP Effluent	01/07/21-30/09/21	0	0	
6	Cadmium in WWTP Effluent	01/07/21-30/09/21	0	0	
7	Cyanide in WWTP Effluent	01/07/21-30/09/21	0	0	
8	Total Phosphorus in WWTP Effluent	01/07/21-30/09/21	0	0	
9	Total Nitrogen in WWTP Effluent	01/07/21-30/09/21	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 2021	7,384.96 MT	68.77 MT
August 2021	3,007.91 MT	49.75 MT
September 2021	5,234.15 MT	49.75 MT

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

All permits/licenses obtained as of September 2021 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(13)	01/01/2021	31/12/2022	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 was one environmental feedback case regarding the operation of Lamma Power Station as summarized in Table 4.4. The reported issue was 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> LFB20210701	A letter was received from two teenagers requesting HK Electric to stop burning coal for electricity	There was no further enquiry and the case was

<p><i>Received:</i> On 09/07/2021</p> <p><i>Concerned:</i> Not specified</p>	<p>generation and switch to renewable energy for public health consideration. A written reply was made to the teenagers explaining the decarbonization and emission reduction initiatives taken / to be taken by HK Electric.</p>	<p>closed.</p>
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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 2021. 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 was one environmental feedback case regarding the operation of Lamma Power Station as summarized in Section 4.6. The reported issue was 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	Continuous at existing ambient air monitoring stations				ET to review data on post-hoc basis and check for possible power station contribution.
	SO <sub>2</sub>		800 (µg/m <sup>3</sup> ) (1h)	-	800	
	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 2021 (July – September)

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/07/2021	16	38
02/07/2021	16	40
03/07/2021	14	31
04/07/2021	10	4
05/07/2021	8	14
06/07/2021	8	14
07/07/2021	10	30
08/07/2021	10	28
09/07/2021	12	18
10/07/2021	8	16
11/07/2021	9	20
12/07/2021	12	24
13/07/2021	9	9
14/07/2021	8	10
15/07/2021	7	9
16/07/2021	9	14
17/07/2021	6	8
18/07/2021	6	12
19/07/2021	6	15
20/07/2021	7	15
21/07/2021	9	18
22/07/2021	19	32
23/07/2021	20	37
24/07/2021	23	32
25/07/2021	15	22
26/07/2021	13	29
27/07/2021	24	33
28/07/2021	15	26
29/07/2021	13	17
30/07/2021	10	16
31/07/2021	15	45

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/08/2021	19	29
02/08/2021	16	19
03/08/2021	9	13
04/08/2021	20	31
05/08/2021	19	37
06/08/2021	22	28
07/08/2021	19	25
08/08/2021	21	43
09/08/2021	18	24
10/08/2021	20	43
11/08/2021	18	20
12/08/2021	16	18
13/08/2021	16	30
14/08/2021	14	17
15/08/2021	13	18
16/08/2021	14	21
17/08/2021	16	32
18/08/2021	11	8
19/08/2021	14	19
20/08/2021	11	16
21/08/2021	10	25
22/08/2021	11	22
23/08/2021	9	15
24/08/2021	10	16
25/08/2021	10	20
26/08/2021	9	15
27/08/2021	10	8
28/08/2021	10	16
29/08/2021	13	24
30/08/2021	10	18
31/08/2021	13	19

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/09/2021	10	18
02/09/2021	6	12
03/09/2021	7	12
04/09/2021	8	13
05/09/2021	28	14
06/09/2021	35	19
07/09/2021	30	19
08/09/2021	11	17
09/09/2021	16	24
10/09/2021	15	20
11/09/2021	18	45
12/09/2021	22	50
13/09/2021	13	18
14/09/2021	12	17
15/09/2021	16	43
16/09/2021	19	28
17/09/2021	27	48
18/09/2021	14	17
19/09/2021	10	18
20/09/2021	8	12
21/09/2021	11	20
22/09/2021	8	10
23/09/2021	12	15
24/09/2021	11	22
25/09/2021	16	27
26/09/2021	19	29
27/09/2021	22	35
28/09/2021	26	36
29/09/2021	26	43
30/09/2021	29	47

## 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 (%)
1/7/2021	84	353	3
2/7/2021	114	348	3
3/7/2021	75	276	4
4/7/2021	79	310	3
5/7/2021	43	322	3
6/7/2021	35	346	4
7/7/2021	22	294	3
8/7/2021	14	334	3
9/7/2021	16	293	4
10/7/2021	11	326	5
11/7/2021	10	299	4
12/7/2021	15	316	4
13/7/2021	10	372	4
14/7/2021	19	358	4
15/7/2021	24	369	4
16/7/2021	11	321	4
17/7/2021	9	267	3
18/7/2021	21	309	3
19/7/2021	17	382	3
20/7/2021	21	353	7
21/7/2021	*	*	*
22/7/2021	*	*	*
23/7/2021	*	*	*
24/7/2021	*	*	*
25/7/2021	*	*	*
26/7/2021	22	349	5
27/7/2021	20	355	5
28/7/2021	14	367	5
29/7/2021	14	344	4
30/7/2021	13	320	4
31/7/2021	11	339	5

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/8/2021	11	355	5
2/8/2021	35	370	5
3/8/2021	85	464	4
4/8/2021	58	362	4
5/8/2021	50	392	3
6/8/2021	66	255	3
7/8/2021	85	328	3
8/8/2021	36	336	3
9/8/2021	18	319	4
10/8/2021	23	302	4
11/8/2021	11	280	3
12/8/2021	9	316	3
13/8/2021	10	252	3
14/8/2021	20	308	3
15/8/2021	22	345	5
16/8/2021	20	352	6
17/8/2021	38	354	5
18/8/2021	43	273	7
19/8/2021	17	380	5
20/8/2021	37	285	4
21/8/2021	26	325	3
22/8/2021	15	335	4
23/8/2021	17	339	6
24/8/2021	14	310	4
25/8/2021	14	365	4
26/8/2021	16	335	4
27/8/2021	16	337	4
28/8/2021	19	393	3
29/8/2021	13	312	3
30/8/2021	12	282	3
31/8/2021	12	305	5

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/9/2021	9	243	4
2/9/2021	13	223	3
3/9/2021	13	262	4
4/9/2021	15	417	4
5/9/2021	10	356	3
6/9/2021	8	224	4
7/9/2021	9	274	3
8/9/2021	10	383	4
9/9/2021	18	413	4
10/9/2021	17	290	5
11/9/2021	25	316	5
12/9/2021	17	336	4
13/9/2021	17	381	7
14/9/2021	17	317	4
15/9/2021	25	319	5
16/9/2021	22	401	5
17/9/2021	11	290	4
18/9/2021	13	383	4
19/9/2021	16	331	3
20/9/2021	17	308	4
21/9/2021	12	386	4
22/9/2021	17	364	4
23/9/2021	16	390	6
24/9/2021	17	395	6
25/9/2021	17	305	4
26/9/2021	11	368	4
27/9/2021	14	300	3
28/9/2021	13	343	4
29/9/2021	40	378	4
30/9/2021	20	391	4

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) #	NOx concentration (mg/Nm3) #	Opacity (%)
1/7/2021	122	337	8
2/7/2021	125	392	10
3/7/2021	90	349	9
4/7/2021	67	354	8
5/7/2021	78	393	9
6/7/2021	26	394	9
7/7/2021	41	388	8
8/7/2021	23	402	9
9/7/2021	16	385	8
10/7/2021	8	362	10
11/7/2021	9	379	9
12/7/2021	9	338	12
13/7/2021	12	375	12
14/7/2021	17	326	10
15/7/2021	18	356	10
16/7/2021	7	303	11
17/7/2021	8	330	9
18/7/2021	11	381	8
19/7/2021	8	375	10
20/7/2021	*	*	*
21/7/2021	13	333	11
22/7/2021	11	340	15
23/7/2021	9	318	12
24/7/2021	7	219	12
25/7/2021	8	265	10
26/7/2021	12	294	11
27/7/2021	6	318	11
28/7/2021	17	311	10
29/7/2021	10	345	12
30/7/2021	9	312	22
31/7/2021	9	246	14

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/8/2021	9	226	10
2/8/2021	25	265	9
3/8/2021	42	309	8
4/8/2021	43	262	8
5/8/2021	45	264	8
6/8/2021	85	327	8
7/8/2021	105	348	8
8/8/2021	*	*	*
9/8/2021	66	327	14
10/8/2021	18	330	9
11/8/2021	17	320	9
12/8/2021	13	350	9
13/8/2021	19	285	9
14/8/2021	8	304	8
15/8/2021	*	*	*
16/8/2021	10	218	9
17/8/2021	14	315	8
18/8/2021	16	283	9
19/8/2021	17	275	9
20/8/2021	24	300	9
21/8/2021	12	348	10
22/8/2021	10	230	8
23/8/2021	11	346	10
24/8/2021	11	302	10
25/8/2021	13	224	9
26/8/2021	18	355	9
27/8/2021	56	341	8
28/8/2021	21	293	9
29/8/2021	*	*	*
30/8/2021	19	252	12
31/8/2021	10	355	9

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/9/2021	8	328	7
2/9/2021	12	318	8
3/9/2021	*	*	*
4/9/2021	15	403	10
5/9/2021	11	278	9
6/9/2021	11	276	9
7/9/2021	13	295	9
8/9/2021	11	254	8
9/9/2021	11	219	9
10/9/2021	*	*	*
11/9/2021	*	*	*
12/9/2021	*	*	*
13/9/2021	22	334	10
14/9/2021	9	310	9
15/9/2021	14	292	10
16/9/2021	6	204	8
17/9/2021	9	230	8
18/9/2021	*	*	*
19/9/2021	*	*	*
20/9/2021	7	239	9
21/9/2021	12	293	9
22/9/2021	13	365	9
23/9/2021	15	365	10
24/9/2021	13	373	11
25/9/2021	12	299	9
26/9/2021	9	307	10
27/9/2021	12	319	13
28/9/2021	15	233	11
29/9/2021	13	279	12
30/9/2021	20	342	9

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 SO2 for Unit L2

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/7/2021	*	*
2/7/2021	81	16
3/7/2021	60	16
4/7/2021	*	*
5/7/2021	65	16
6/7/2021	*	*
7/7/2021	71	16
8/7/2021	*	*
9/7/2021	*	*
10/7/2021	59	15
11/7/2021	*	*
12/7/2021	*	*
13/7/2021	*	*
14/7/2021	*	*
15/7/2021	*	*
16/7/2021	43	17
17/7/2021	*	*
18/7/2021	*	*
19/7/2021	*	*
20/7/2021	*	*
21/7/2021	*	*
22/7/2021	*	*
23/7/2021	26	17
24/7/2021	32	17
25/7/2021	*	*
26/7/2021	*	*
27/7/2021	*	*
28/7/2021	29	17
29/7/2021	*	*
30/7/2021	32	16
31/7/2021	30	17

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/8/2021	*	*
2/8/2021	*	*
3/8/2021	*	*
4/8/2021	*	*
5/8/2021	*	*
6/8/2021	*	*
7/8/2021	58	17
8/8/2021	*	*
9/8/2021	*	*
10/8/2021	*	*
11/8/2021	111	17
12/8/2021	62	17
13/8/2021	38	17
14/8/2021	*	*
15/8/2021	*	*
16/8/2021	*	*
17/8/2021	*	*
18/8/2021	*	*
19/8/2021	40	17
20/8/2021	46	17
21/8/2021	29	17
22/8/2021	*	*
23/8/2021	33	17
24/8/2021	32	18
25/8/2021	30	17
26/8/2021	35	17
27/8/2021	60	17
28/8/2021	*	*
29/8/2021	*	*
30/8/2021	*	*
31/8/2021	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/9/2021	*	*
2/9/2021	*	*
3/9/2021	44	18
4/9/2021	25	16
5/9/2021	*	*
6/9/2021	*	*
7/9/2021	*	*
8/9/2021	*	*
9/9/2021	*	*
10/9/2021	33	15
11/9/2021	*	*
12/9/2021	*	*
13/9/2021	*	*
14/9/2021	*	*
15/9/2021	*	*
16/9/2021	*	*
17/9/2021	*	*
18/9/2021	24	15
19/9/2021	*	*
20/9/2021	*	*
21/9/2021	*	*
22/9/2021	*	*
23/9/2021	31	14
24/9/2021	35	14
25/9/2021	*	*
26/9/2021	*	*
27/9/2021	*	*
28/9/2021	*	16
29/9/2021	*	16
30/9/2021	*	*

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 stack particulate sampling was conducted at L2, L4 and L5 in July to September 2021.

### **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 : 2021  
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	11	13	13	12	14	10	11	13	11	11	11	11	11	12	14	15	14	11	13	11	13	12	12	12
2	11	13	11	13	11	13	12	12	12	11	11	12	13	13	12	12	12	12	12	12	12	13	13	14	12
3	12	13	13	16	13	12	14	13	13	13	13	12	11	12	14	12	14	14	12	12	13	12	13	13	13
4	13	14	15	14	15	13	15	14	13	11	11	11	10	8	7	6	9	8	7	9	13	13	12	12	11
5	12	15	16	17	16	16	16	16	16	13	13	14	13	14	12	11	10	9	9	11	13	12	15	16	14
6	15	15	13	16	16	17	16	16	16	16	14	14	13	12	9	12	14	15	17	16	14	15	16	15	15
7	13	16	14	15	16	15	15	15	14	14	15	13	13	12	12	10	11	11	11	12	13	12	13	13	13
8	12	14	15	16	16	15	16	15	12	12	10	11	11	11	12	M	M	27	31	36	39	38	39	40	20
9	41	42	47	46	47	49	48	47	44	42	M	5	5	7	6	5	4	5	4	3	2	2	2	2	22
10	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3	2	3	3	2	1	2	2	1	2	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	5	3	5	4	3	1	1	2	2
14	1	1	1	2	3	3	2	2	2	2	2	3	4	4	3	3	4	4	2	2	1	1	1	1	2
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	3	5	3	2	3	4	4	4	3	3	2	1	1	1	1	2	2
17	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1
19	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
20	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0
22	0	0	0	1	1	1	1	1	1	1	1	1	1	1	5	6	5	4	2	2	3	5	2	1	2
23	1	1	1	1	1	1	1	1	2	2	2	4	8	6	5	5	6	6	5	3	2	1	1	1	3
24	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	5	5	2	1	1	1	0	1	2
25	1	0	0	0	0	1	1	1	1	1	6	5	3	4	4	3	2	1	1	1	1	0	1	2	
26	0	0	0	0	1	0	0	0	1	1	1	2	3	5	4	3	3	3	2	2	1	1	0	1	1
27	1	1	0	1	1	1	1	1	2	2	5	10	15	5	4	4	2	2	2	1	1	1	1	2	3
28	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	2	1
29	1	1	2	1	1	1	0	0	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1
30	1	1	1	1	0	1	2	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	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
3	1	5	1	14	16	32	42	0	-	49	0	-	22	3	100	0

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

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

STATION : VICTORIA PEAK  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	2	2	5	4	4	8	7	7	13	17	14	18	16	12	14	7	6	10	9	8	12	6	9
2	6	7	4	4	4	3	5	6	5	8	26	25	14	6	4	13	18	14	9	9	11	9	7	8	9
3	4	5	4	5	3	4	5	11	9	7	12	11	8	13	13	18	17	8	17	21	11	9	10	13	10
4	10	8	9	8	7	5	10	13	12	13	9	8	12	9	5	7	4	5	6	4	4	3	3	3	7
5	2	1	2	2	1	2	2	4	4	8	8	6	5	4	4	4	3	3	2	2	2	1	1	3	3
6	3	2	1	1	1	0	1	2	3	5	7	9	6	6	6	3	6	6	7	6	7	4	5	2	4
7	1	M	1	0	1	0	1	2	4	4	7	8	7	5	6	6	8	6	7	9	5	5	3	4	4
8	4	4	4	2	4	5	6	7	8	6	6	6	9	6	7	M	M	4	7	10	8	7	10	6	6
9	8	4	1	3	6	5	9	13	14	18	13	12	9	13	6	7	7	12	10	15	9	4	2	2	8
10	1	6	4	5	5	2	2	8	7	9	19	9	2	3	3	1	2	1	5	4	7	5	2	3	5
11	1	3	1	0	0	0	1	1	1	1	1	4	2	5	4	1	3	3	3	4	3	1	2	2	2
12	0	1	2	3	3	3	3	6	4	12	6	6	11	6	6	7	5	5	7	11	13	14	12	10	7
13	11	14	8	9	7	6	7	4	3	8	10	12	23	18	16	10	19	11	26	42	27	13	20	9	14
14	7	7	24	34	34	26	11	9	7	10	12	17	23	15	14	14	20	14	12	18	10	7	7	7	15
15	6	4	4	6	4	4	2	4	4	4	6	6	8	6	7	7	5	7	11	14	11	11	7	9	7
16	11	7	9	5	4	9	4	12	24	27	22	14	20	19	24	31	32	27	23	39	36	32	17	7	19
17	4	5	5	4	4	6	10	14	17	20	11	7	3	5	5	4	4	2	2	1	1	4	3	4	6
18	0	0	2	1	1	1	4	3	1	2	6	10	7	1	4	4	2	6	7	7	4	5	3	3	4
19	1	1	1	0	1	1	2	4	4	7	7	4	1	1	2	3	2	2	1	1	1	1	1	3	2
20	2	0	0	0	0	0	0	2	2	8	6	7	24	26	24	17	10	4	1	3	2	2	0	3	6
21	0	M	1	0	0	0	0	6	7	11	10	10	6	10	6	4	3	2	1	1	1	0	2	2	4
22	0	0	0	0	2	4	3	4	3	3	5	11	6	5	24	31	22	19	17	34	46	48	19	5	13
23	2	8	14	6	3	7	11	7	12	18	21	28	26	23	22	25	30	54	47	34	19	15	5	5	18
24	3	3	4	4	7	11	3	8	9	13	13	21	23	19	30	24	22	35	23	17	22	22	9	7	15
25	8	15	3	1	2	9	6	9	12	11	21	18	18	11	14	19	14	15	12	8	15	10	5	6	11
26	2	1	5	7	5	3	3	5	6	16	20	18	20	23	24	20	22	20	20	12	10	8	6	4	12
27	4	1	1	2	4	5	5	3	12	17	20	32	28	16	9	12	14	33	33	7	7	11	12	30	13
28	32	5	2	2	4	3	6	13	12	13	12	9	8	8	6	18	17	13	12	10	14	23	7	17	11
29	12	10	5	1	1	1	2	3	6	4	6	10	14	19	12	9	11	27	26	18	14	14	19	14	11
30	11	30	21	14	14	35	34	17	10	8	3	5	5	12	18	17	21	18	14	22	14	17	26	14	17
31	7	8	3	10	4	2	3	4	9	6	5	6	8	13	27	7	9	8	6	9	19	15	21	6	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		
6	7	9	7	20	26	33	35	0	-	54	2	-	19	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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2021

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

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	4	5	5	5	3	-	6	3	-	5	1	97	0

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

MONTH: JULY

YEAR : 2021

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	16	5	19	13	15	13	17	12	26	44	20	10	8	12	12	21	18	17	28	23	23	22	18	13	18
2	8	12	8	14	13	13	22	28	24	24	13	14	10	9	10	13	15	27	28	27	14	14	14	10	16
3	11	8	12	17	13	19	17	18	16	16	14	8	8	6	9	7	10	14	16	24	13	12	11	11	13
4	9	11	10	14	11	9	11	11	13	10	7	9	9	5	8	8	9	9	11	16	15	11	9	9	10
5	7	5	4	4	4	4	5	7	5	4	4	4	4	3	3	3	4	4	5	6	5	5	5	8	5
6	6	4	5	3	3	3	5	7	4	4	4	4	4	3	3	4	3	5	4	3	4	12	5	4	4
7	4	M	5	4	3	4	6	6	6	5	6	5	4	4	5	4	4	4	9	10	11	11	7	10	6
8	6	6	6	4	7	7	14	12	10	5	4	6	7	4	6	4	6	7	9	5	11	8	8	12	7
9	8	4	3	7	9	10	9	10	6	7	6	5	3	3	4	4	3	7	13	14	12	11	11	8	7
10	11	11	8	5	8	5	5	7	6	5	4	4	3	3	3	3	4	5	8	9	12	8	7	6	6
11	5	6	5	3	4	4	5	4	5	4	3	4	4	4	6	5	7	7	10	11	8	6	6	6	6
12	4	6	7	6	5	6	5	7	4	4	5	8	7	6	5	4	4	5	9	18	10	12	11	13	7
13	11	14	11	9	13	17	22	14	8	13	21	14	10	20	13	17	11	13	11	21	15	16	17	19	15
14	16	20	34	16	20	23	18	10	6	6	12	17	19	19	10	11	12	14	9	10	13	10	10	11	14
15	7	7	7	8	5	4	5	5	7	5	5	5	M	4	4	4	6	6	7	8	9	8	6	10	6
16	8	7	8	8	9	7	12	18	17	25	17	15	25	22	22	22	24	17	10	15	10	7	9	11	14
17	6	7	9	8	6	5	7	14	16	13	4	3	2	3	2	3	4	5	6	5	6	6	6	3	6
18	2	2	2	2	2	2	2	2	3	5	4	6	6	3	4	3	3	2	2	4	2	2	2	2	3
19	2	2	1	2	1	2	3	3	2	2	3	2	2	2	3	2	3	4	4	4	3	3	3	6	3
20	4	3	2	1	2	2	4	6	4	7	6	4	8	9	8	4	5	7	6	8	8	7	4	6	5
21	4	M	2	2	4	2	4	9	12	14	6	7	5	10	4	6	7	5	5	9	6	6	10	7	6
22	5	4	5	5	5	7	6	6	6	4	3	3	3	3	4	16	19	20	21	29	45	41	46	26	14
23	18	15	28	25	7	7	13	17	18	28	40	66	52	36	29	28	33	23	33	35	35	29	21	12	27
24	14	25	31	21	17	13	9	7	5	14	31	34	37	19	14	16	19	26	27	19	31	33	31	8	21
25	17	17	9	8	7	6	7	9	22	55	47	40	23	15	11	13	17	17	22	19	16	14	8	9	18
26	4	6	8	10	28	11	17	11	11	16	16	14	15	13	19	14	15	10	16	16	16	10	9	8	13
27	21	20	18	20	10	15	10	15	33	25	36	17	15	11	11	13	19	23	20	26	13	12	10	33	19
28	26	17	5	7	8	7	14	13	12	11	12	11	8	9	11	13	15	25	35	18	31	14	19	15	15
29	14	15	10	13	11	10	11	11	11	15	31	19	23	12	11	14	18	25	39	33	24	21	20	16	18
30	12	8	10	6	3	7	25	26	15	16	11	18	15	17	13	8	15	14	15	19	21	20	20	17	15
31	19	12	16	12	15	15	9	6	9	8	10	11	11	15	18	11	14	12	18	14	23	20	15	19	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		
9	9	11	9	22	28	35	41	1	-	66	3	-	27	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 : 2021  
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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4	3	3	3	4	4	4	4	4
2	3	4	4	3	4	4	3	3	3	4	6	7	5	4	4	4	5	4	3	3	4	3	3	4	4
3	3	3	3	4	4	3	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4
4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	3	4	4	4	3	3	3	3	4
5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	3
9	4	4	3	4	3	4	4	4	4	6	6	5	6	5	6	5	6	5	5	5	4	4	4	4	5
10	4	4	4	4	4	3	3	4	5	7	4	4	3	4	4	4	3	4	4	4	3	4	4	4	4
11	4	4	3	3	4	3	3	3	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12	4	4	4	4	4	4	4	4	4	4	5	5	6	5	4	4	4	4	4	4	5	5	5	4	4
13	4	5	4	5	4	5	5	4	3	4	5	5	5	4	3	M	M	0	0	0	0	0	0	0	3
14	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	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	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	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	2	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	2	7	1	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	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	10	1	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	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
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY STATISTICS:

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	0	2	0	4	5	5	6	0	-	10	0	-	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 : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	3	3	6	5	5	7	6	9	11	7	11	8	14	11	5	5	7	9	9	10	4	7
2	3	7	3	3	7	4	5	5	4	6	15	14	8	3	1	4	15	10	6	6	7	7	3	4	6
3	2	4	1	1	2	4	8	14	8	6	9	11	6	3	2	6	10	4	14	16	10	7	8	11	7
4	7	9	10	9	6	3	8	10	9	9	10	10	9	6	6	2	2	3	5	2	1	1	0	0	6
5	0	0	0	0	0	0	0	1	0	2	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	2	2	1	1	1	0	1	1	1	2	2	0	0	1	1	7	1
7	0	M	0	0	0	0	1	2	3	4	3	2	4	5	3	7	6	5	5	5	4	5	2	1	3
8	1	0	0	0	0	1	3	4	5	4	3	2	4	1	2	1	2	5	8	6	4	1	3	2	3
9	3	2	0	1	1	1	3	9	13	17	9	9	7	11	7	13	10	13	14	8	8	6	5	3	7
10	1	2	1	1	1	1	2	6	12	13	5	3	3	2	2	2	2	2	3	2	3	2	1	1	3
11	0	0	0	0	0	0	0	0	4	7	10	6	2	2	2	2	2	3	4	4	2	1	1	1	2
12	0	0	0	0	0	1	1	3	3	1	6	5	8	3	3	1	0	2	2	11	8	12	6	6	3
13	8	12	7	9	5	5	8	3	2	5	4	5	10	4	5	M	M	16	15	22	21	17	15	7	9
14	7	7	10	13	13	11	7	9	4	5	6	11	16	10	7	9	17	6	6	8	4	5	4	4	8
15	3	2	3	5	1	3	3	3	6	5	3	4	7	7	11	5	7	6	9	8	8	6	6	9	5
16	9	7	8	3	2	5	7	11	14	16	15	15	13	12	13	17	23	21	17	21	26	22	18	6	13
17	3	3	2	1	1	4	3	6	7	15	10	4	2	1	2	1	1	1	1	1	0	1	1	1	3
18	0	0	0	0	0	0	2	1	3	1	2	3	2	0	1	1	0	1	0	1	0	0	0	0	1
19	0	0	1	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	3	4	7	9	7	12	6	3	2	1	1	1	1	0	0	2
21	0	M	1	0	0	0	0	1	4	6	3	4	2	2	2	0	2	2	1	1	1	1	1	0	1
22	0	0	0	0	0	0	1	2	4	4	3	1	0	0	6	12	10	10	11	20	31	31	15	6	7
23	2	3	8	5	0	2	6	10	15	15	19	25	23	21	13	16	30	24	26	18	14	14	8	4	13
24	10	4	5	4	4	11	2	4	10	18	14	17	17	12	10	12	13	17	18	16	18	14	8	8	11
25	12	8	4	1	1	3	11	22	24	54	35	15	16	9	4	8	9	11	10	7	8	8	5	5	12
26	4	1	7	8	7	1	4	4	4	9	13	11	8	14	11	12	8	9	13	8	6	8	7	5	8
27	4	2	2	1	2	2	12	9	11	15	22	13	11	8	10	7	15	16	10	10	9	10	16	40	11
28	21	7	3	4	4	3	9	12	13	11	9	9	7	9	7	12	15	13	15	9	14	17	13	13	10
29	8	6	3	1	1	1	9	5	4	6	5	8	10	12	8	7	6	14	13	14	8	9	14	14	8
30	9	14	16	7	4	11	13	8	7	14	14	12	5	9	11	9	10	10	11	9	9	10	9	8	10
31	6	4	2	3	3	2	3	6	10	4	3	4	7	8	18	8	10	7	6	10	15	12	12	7	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		
5	5	6	5	14	17	22	26	0	-	54	0	-	13	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: JULY

STATION : POK FU LAM  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021  
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	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1
3	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
5	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
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
7	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
8	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
9	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	2	4	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
11	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1
13	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	1
15	0	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1	0	1	1
16	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	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	1	2	2	2	1	1	1	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	3	3	3	3	3	3	3	3	3	3	3	2	4	5	4	4	4	4	4	4	3	3
23	3	3	3	3	3	3	3	4	5	4	5	10	11	6	5	4	4	4	4	3	3	3	3	3	4
24	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
25	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3
26	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3
27	3	3	3	3	3	3	3	3	3	3	3	10	5	4	4	3	3	3	3	3	3	3	3	0	3
28	1	2	3	3	3	3	3	3	3	3	3	2	3	3	2	3	3	3	3	3	3	2	2	2	3
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	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-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
2	1	2	1	3	3	4	5	0	-	11	1	-	4	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 : 2021  
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	6	7	4	8	7	8	18	15	7	2	5	5	2	10	7	9	8	10	10	9	12	9	8
2	4	6	2	3	10	10	8	12	6	11	7	8	6	7	4	8	7	7	14	8	10	11	5	6	8
3	5	6	3	3	3	6	8	16	9	2	8	22	9	5	2	5	4	4	14	25	14	8	9	12	8
4	12	19	14	13	8	8	12	14	13	12	5	18	14	8	8	3	2	5	6	2	2	2	1	0	8
5	0	0	0	0	0	0	1	3	2	4	3	2	3	0	1	1	0	1	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	4	6	6	5	5	2	2	4	2
7	0	0	0	0	0	0	0	0	1	1	2	1	1	2	4	9	4	2	3	4	3	4	0	1	2
8	1	0	0	0	1	1	2	3	6	3	2	1	4	2	1	1	3	4	9	3	4	1	4	3	2
9	8	4	0	2	3	4	13	19	21	23	18	8	6	8	6	9	6	12	26	12	10	4	2	2	9
10	1	4	2	2	3	0	1	8	18	23	14	10	7	2	2	1	0	1	2	1	3	3	1	0	5
11	0	0	0	0	0	0	0	0	4	11	13	5	1	5	0	2	1	3	2	1	1	0	0	0	2
12	0	0	0	1	1	1	1	4	5	3	5	3	3	1	2	1	6	6	11	24	11	11	8	9	5
13	13	17	8	12	8	6	11	1	1	3	6	7	7	8	7	10	13	22	13	28	33	22	21	13	12
14	9	11	15	22	34	28	12	5	1	6	9	12	12	11	6	7	15	6	21	11	5	6	4	4	11
15	3	3	3	4	1	6	0	1	6	9	5	5	6	8	9	8	7	8	13	10	8	9	5	9	6
16	13	8	8	4	8	15	17	26	24	26	24	21	24	22	19	24	36	31	28	36	45	50	35	11	23
17	9	9	5	4	7	24	6	11	15	21	13	6	3	3	3	2	2	1	1	0	0	3	3	1	6
18	0	0	0	0	0	0	1	1	4	3	3	3	6	1	3	3	2	3	4	4	2	2	2	1	2
19	0	0	1	0	0	0	0	3	4	5	6	3	0	0	1	3	1	1	1	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	3	3	15	21	16	9	10	10	4	0	1	0	0	0	0	4
21	0	0	0	0	0	0	0	0	4	7	5	5	3	2	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	1	4	7	8	4	2	1	3	9	11	22	19	17	36	43	48	27	8	11
23	4	19	29	12	3	11	13	25	29	29	38	47	39	42	21	31	49	38	35	27	21	15	10	3	25
24	5	5	5	4	6	21	9	7	33	42	15	36	28	17	14	16	15	29	28	15	16	15	7	10	17
25	13	M	6	1	2	4	10	21	22	33	56	22	16	10	5	5	5	6	11	10	9	10	8	6	13
26	3	2	11	14	15	3	4	3	4	12	19	15	15	14	12	17	10	9	16	15	12	8	9	5	10
27	7	1	1	0	4	6	5	10	19	21	39	19	17	14	17	12	17	27	15	8	10	13	14	27	13
28	19	8	2	3	6	9	14	24	17	16	12	9	8	8	5	5	13	19	15	13	29	29	21	17	13
29	11	15	18	1	0	0	3	5	5	6	5	7	9	18	13	12	9	25	19	17	18	15	23	19	11
30	13	26	22	8	3	20	18	15	14	22	20	10	7	8	9	8	12	12	17	15	17	16	16	10	14
31	12	4	7	5	4	4	2	4	7	10	6	5	10	9	15	11	24	14	12	15	24	20	9	7	10

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
7	6	9	6	21	27	36	42	0	-	56	1	-	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: JULY

STATION : AP LEI CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021  
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	1	0	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0	0	1	0	3	1
2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0
3	0	0	0	0	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	0	0	0	0	3	1
4	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0
5	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
6	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	2	0
7	0	0	0	0	0	0	0	0	0	0	M	M	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	0	0	0	0	0	0	1	0
9	0	0	0	0	0	0	0	1	4	3	0	0	1	1	0	1	1	0	0	0	0	0	0	1	1
10	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
11	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
12	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
13	0	0	0	0	0	0	0	0	0	0	3	1	0	2	5	2	2	0	2	2	0	0	1	1	1
14	0	1	1	1	0	3	1	0	0	0	1	3	2	1	1	1	2	0	0	0	0	0	0	1	1
15	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
16	0	1	0	0	0	0	0	1	7	2	0	0	1	2	2	4	2	0	0	0	0	0	0	1	1
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	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
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	0	0	0	0	0	0	0	0	0	0	1	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	1	8	1	1	1	1	1	4	4	1	1
23	0	0	0	0	0	0	0	0	0	0	2	6	9	4	1	1	1	1	1	1	0	0	0	1	1
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
25	0	0	0	0	0	0	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	2	8	4	0	0	1	0	0	0	0	0	0	0	1	1
27	0	0	0	0	0	0	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	1	2	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	1	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	1	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	1	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	1	1

MONTHLY STATISTICS:

GEOM	ARITH		PERCENTILES					RANGE		STN	GEOM	PERCENT	NO. OF TIMES			
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE LIMIT LEVEL				
1	0	0	0	1	2	3	5	0	-	28	0	-	1	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 : NITROGEN DIOXIDE

YEAR : 2021  
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	2	4	5	6	6	5	1	6	4	6	12	11	2	3	0	20	12	9	9	5
2	7	5	2	7	9	4	3	2	4	7	12	15	9	14	9	13	19	11	3	3	8	1	1	2	7
3	6	1	5	2	4	0	7	18	9	5	10	6	12	17	17	16	17	16	20	2	2	9	7	13	9
4	7	13	16	11	3	1	7	9	14	13	14	7	8	2	0	0	1	2	5	1	1	0	0	2	6
5	0	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	1	0	0	0	2	0	4	1
7	0	M	0	0	0	0	0	0	0	0	M	M	0	0	2	2	0	0	1	0	1	2	0	2	0
8	1	1	1	1	1	1	3	1	2	2	1	3	4	1	1	1	1	2	1	1	1	1	1	2	1
9	3	0	0	2	1	5	15	15	26	24	7	5	13	8	6	11	11	2	5	2	3	0	4	2	7
10	1	4	1	0	1	1	7	9	21	15	0	1	1	0	0	0	0	0	1	0	2	0	0	4	3
11	3	3	3	3	3	3	4	4	7	5	6	3	4	3	4	3	4	9	7	7	3	3	3	5	4
12	4	4	4	4	4	4	4	4	4	5	6	8	9	8	10	8	11	14	12	10	9	11	8	13	7
13	13	22	14	16	9	18	24	14	12	18	26	21	18	23	31	23	23	13	36	39	30	30	32	12	22
14	13	33	25	28	9	32	26	11	5	10	15	22	20	11	12	14	19	21	10	4	3	2	2	5	15
15	2	2	10	3	3	4	12	8	2	3	5	7	5	7	7	3	3	3	4	5	4	5	2	17	5
16	12	19	19	22	6	12	18	30	37	28	29	29	32	30	26	33	34	25	18	33	21	17	10	12	23
17	9	7	8	6	7	7	13	23	24	24	15	8	7	6	6	6	6	6	6	6	6	8	6	5	9
18	4	4	4	4	4	4	4	4	7	6	8	8	4	4	4	4	4	4	4	4	4	4	4	3	5
19	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	6	2
20	5	5	5	5	5	5	5	5	5	5	17	22	19	23	18	15	6	5	5	5	5	5	5	9	9
21	7	M	7	7	7	7	7	7	8	12	8	8	9	7	7	8	7	7	7	7	7	7	7	1	7
22	0	0	0	0	0	1	3	2	0	0	0	0	1	2	15	39	17	21	27	29	55	57	21	9	12
23	3	27	23	7	3	4	12	12	17	25	46	47	32	45	22	22	30	42	40	19	19	13	8	11	22
24	46	16	16	8	11	7	1	5	15	34	41	35	30	21	15	12	17	24	20	25	27	8	0	11	19
25	12	3	3	0	4	4	18	45	59	68	62	27	24	11	11	13	11	7	5	5	3	4	15	20	18
26	2	7	10	12	13	1	12	12	13	17	25	29	21	24	6	24	10	24	18	12	9	8	7	10	14
27	7	8	4	3	6	3	9	23	13	27	43	22	18	19	20	21	24	22	13	24	14	11	53	28	18
28	13	4	1	1	5	5	6	12	13	17	19	19	12	17	5	8	14	26	17	6	15	19	10	18	12
29	10	11	6	6	5	8	22	23	14	35	26	22	22	14	12	18	19	19	18	18	22	13	24	14	17
30	10	11	25	7	14	17	18	29	12	36	34	24	23	21	13	15	18	15	15	7	9	4	17	16	17
31	14	5	3	7	6	9	11	7	11	14	15	15	14	18	22	16	19	10	19	21	21	8	5	10	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		
7	7	10	7	24	30	39	46	0	-	68	0	-	23	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: JULY

STATION : CHEUNG CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021  
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	4	3	3	3	3	3	3	3	4	4	4	5	4	4	4	3	3	3	3	5	3
2	2	3	3	4	3	2	3	2	2	3	3	3	4	4	4	4	4	5	4	4	3	4	2	4	3
3	3	4	3	3	3	3	3	3	3	3	4	4	4	5	5	5	5	4	4	4	3	3	3	4	4
4	4	4	4	4	3	3	3	3	2	3	3	3	3	3	4	5	4	4	4	4	3	3	3	5	4
5	3	2	3	3	3	2	3	2	2	2	2	2	4	3	4	4	5	5	4	3	3	3	3	5	3
6	4	3	3	4	3	4	4	4	4	3	4	4	4	5	4	4	4	5	4	4	4	4	3	4	4
7	3	3	4	3	3	3	2	3	3	3	2	3	3	3	3	4	3	3	3	3	2	2	2	5	3
8	3	2	2	2	2	2	2	2	2	2	1	1	2	2	3	3	M	M	M	M	M	M	M	M	
9	M	M	M	M	M	M	M	M	M	M	M	34	5	13	8	11	12	11	10	10	10	10	9	12	
10	10	10	10	11	10	10	10	10	11	11	11	10	12	12	11	11	11	12	11	11	11	11	10	12	11
11	10	11	11	10	10	10	9	10	9	10	9	10	11	11	12	11	11	12	11	11	10	10	10	12	10
12	9	10	10	10	10	9	10	10	10	9	10	10	11	11	12	12	10	12	11	11	11	11	10	10	10
13	11	11	11	11	11	11	11	12	11	11	11	11	11	11	13	12	12	12	12	12	11	11	11	14	11
14	11	11	11	11	12	11	12	11	11	11	11	12	13	13	13	12	11	12	11	11	12	11	12	13	12
15	11	11	11	12	11	11	11	11	12	11	11	11	12	12	12	12	12	12	12	12	12	11	11	13	12
16	11	12	12	11	11	11	12	12	12	12	11	11	11	11	12	11	12	12	12	12	12	11	11	14	12
17	12	12	12	13	13	13	12	12	12	13	12	12	13	13	13	13	14	14	14	13	13	13	13	14	13
18	13	13	13	13	13	14	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	13	14	16	14
19	14	14	14	14	14	14	14	13	14	14	15	14	14	14	14	14	15	15	15	14	13	14	13	16	14
20	15	14	15	15	14	14	14	15	14	13	14	15	14	14	15	15	15	15	15	14	14	14	14	16	14
21	14	14	15	15	14	15	15	15	15	14	14	14	14	15	15	14	15	16	15	15	14	14	15	17	15
22	15	15	16	16	15	15	16	16	16	15	15	15	16	16	17	17	17	17	17	17	16	16	16	19	16
23	17	17	17	17	17	17	17	17	17	17	17	17	17	18	19	18	19	19	20	19	18	17	18	20	18
24	17	17	18	18	18	18	17	17	18	18	18	17	18	19	M	M	M	M	M	M	M	M	M	M	
25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
26	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
27	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	2	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	1	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
31	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		
8	10	8	10	15	17	18	19	0	-	34	0	-	18	2	90	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 : 2021  
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	18	11	14	12	11	12	9	9	9	11	13	16	15	14	14	13	14	14	21	26	20	16	17	14
2	13	13	12	16	13	9	18	14	13	10	7	14	9	9	8	9	12	8	19	12	19	18	12	10	12
3	12	11	14	13	12	12	16	13	10	8	9	4	6	7	4	6	6	8	10	11	9	11	14	8	10
4	8	8	8	6	9	9	11	13	15	7	17	17	7	7	8	12	9	10	9	15	24	20	16	18	12
5	13	10	8	10	9	14	11	13	13	23	22	8	11	7	5	4	4	3	4	5	9	7	8	7	10
6	10	8	9	9	8	6	8	9	10	10	8	13	11	9	7	12	13	21	14	6	14	8	17	10	10
7	16	M	9	7	7	8	10	10	11	11	14	8	9	10	10	9	8	7	6	28	28	13	11	40	13
8	12	6	6	14	11	16	25	16	8	6	6	5	9	12	7	10	7	13	11	6	7	10	17	10	10
9	26	36	27	32	46	48	38	34	30	31	33	26	8	7	7	14	12	14	13	17	31	30	58	49	28
10	41	27	25	31	18	25	37	31	26	19	14	10	6	8	3	5	5	9	17	25	21	9	18	21	19
11	19	23	28	20	19	24	19	15	8	3	3	13	17	11	16	20	11	15	15	18	14	16	28	24	17
12	26	15	14	12	7	15	13	8	7	8	6	2	5	4	1	2	2	4	5	6	7	26	34	19	10
13	41	44	41	16	8	11	18	26	12	12	10	7	4	3	2	2	4	6	5	5	6	10	14	13	13
14	11	19	23	21	30	44	40	42	34	19	10	16	23	7	3	2	2	3	5	16	18	5	10	8	17
15	5	5	3	17	10	10	11	20	27	9	8	3	3	2	4	9	4	4	4	40	40	6	3	4	10
16	3	2	4	2	7	42	45	48	41	40	13	19	14	23	5	16	21	21	31	21	23	22	18	22	21
17	18	20	22	38	53	52	32	11	11	20	18	11	8	9	5	4	2	1	7	4	4	4	12	8	16
18	2	13	19	21	15	23	28	11	27	52	29	34	25	16	6	7	10	12	6	8	15	6	5	24	17
19	17	7	0	11	5	8	9	8	10	14	11	10	6	1	3	8	11	2	5	1	1	4	2	3	7
20	4	3	2	0	3	1	2	2	3	0	4	24	59	78	66	86	39	8	5	5	9	5	3	6	17
21	5	M	6	3	9	8	9	9	20	15	9	4	8	6	7	4	8	4	6	7	6	6	8	9	8
22	8	5	9	25	13	15	13	28	20	5	4	4	0	0	1	1	1	5	14	37	48	33	32	11	14
23	11	19	13	9	4	46	52	33	24	15	27	11	20	21	21	39	41	31	35	24	19	23	14	9	23
24	14	19	6	13	36	22	39	18	91	46	25	22	29	21	26	27	27	22	57	61	28	13	7	6	28
25	3	14	11	14	10	63	80	110	61	35	34	45	18	9	7	4	2	4	4	1	6	10	13	13	24
26	15	10	8	2	2	6	8	18	12	7	8	16	M	M	M	M	0	0	0	1	4	2	5	4	6
27	1	0	0	1	2	5	7	48	38	20	15	13	3	10	23	13	13	4	3	2	1	20	20	13	11
28	9	2	0	0	0	0	2	4	5	3	6	12	3	4	3	9	M	13	8	8	10	9	8	10	6
29	8	12	6	109	16	10	9	9	11	13	3	4	5	7	1	5	11	3	2	9	9	11	3	0	12
30	2	6	1	2	3	7	3	15	2	8	27	5	5	7	1	0	0	1	0	2	2	3	11	6	5
31	4	2	0	1	1	2	0	1	85	22	5	2	5	1	0	1	5	1	9	1	9	1	4	3	7

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
10	10	14	10	29	40	52	65	0	-	110	5	-	28	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 : 2021  
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	1	1	0	0	0	0	2	1	0	1	1	1	0	1	0
2	0	0	0	0	0	0	0	1	1	1	7	4	1	1	4	4	2	2	1	1	1	1	1	1	1
3	1	1	1	1	1	0	0	0	1	0	1	0	0	0	0	M	M	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	2	2	1
5	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	0	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	5	2	1	1	1	3	1
8	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
9	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
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0
11	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
12	1	1	0	0	0	1	1	0	1	2	1	M	2	1	1	1	1	1	1	1	1	1	1	2	1
13	1	1	1	1	1	1	1	1	1	1	1	0	0	2	3	3	2	1	3	2	1	1	1	2	1
14	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1	3	1	1	2	1
15	1	1	1	1	1	1	1	1	1	1	1	2	3	1	3	1	1	1	0	1	1	0	1	2	1
16	1	0	0	1	1	1	1	1	1	1	1	2	3	2	9	3	1	2	3	11	6	1	2	2	
17	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	2	1	2	1	1	1	2	1
19	1	1	1	1	1	0	1	2	1	2	1	1	1	1	1	1	2	2	2	1	5	2	2	3	2
20	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	2	4	3	1	1	1	1	2	2	2
21	1	1	1	1	1	1	1	1	1	1	1	2	4	4	4	3	2	1	1	1	1	1	1	3	2
22	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	1	2	1	1	1	3	1
23	1	1	1	1	1	1	1	1	3	2	3	3	3	2	2	2	2	2	2	1	1	1	1	3	2
24	1	1	1	1	1	1	2	1	2	1	1	1	2	1	1	2	2	1	1	1	1	1	1	3	1
25	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
26	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
27	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	2	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	3	1
29	1	1	1	1	1	1	1	1	1	1	0	0	0	0	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	2	1	1	1	1	1	1	1	1	2	1
31	1	1	1	1	1	1	1	1	1	2	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	1	1	2	3	3	4	0	-	11	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: AUGUST

STATION : VICTORIA PEAK  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	1	3	11	2	1	5	9	3	5	7	9	8	6	16	9	48	5	5	8	18	14	8	5	9
2	5	11	2	2	1	5	14	11	17	15	25	17	13	8	10	14	10	9	13	14	18	8	8	8	11
3	15	16	16	6	3	2	2	4	5	7	7	6	6	6	6	M	M	2	7	8	11	8	10	5	7
4	3	M	3	2	5	6	8	9	20	25	20	23	31	27	22	13	31	25	21	13	10	6	17	18	16
5	10	22	24	19	13	8	11	17	20	23	23	21	17	10	11	17	16	16	13	10	9	7	8	10	15
6	5	6	4	3	4	2	8	6	11	19	13	20	9	7	15	12	8	15	18	11	6	5	5	13	9
7	8	3	6	13	10	9	13	18	16	19	26	22	17	10	9	7	8	24	39	11	10	15	6	25	14
8	11	14	6	4	2	4	4	9	9	10	8	6	6	4	2	5	13	12	20	11	12	7	15	16	9
9	9	1	2	4	4	3	3	3	4	7	7	8	9	5	5	5	4	6	11	5	2	9	13	5	6
10	3	6	3	3	2	6	12	13	6	15	12	8	8	10	7	6	9	10	7	6	7	6	6	8	7
11	2	1	2	5	5	6	5	7	8	11	9	15	11	8	20	12	13	7	13	10	14	11	13	7	9
12	17	11	8	1	9	22	6	7	12	16	9	M	9	9	7	8	6	13	17	18	14	8	9	11	11
13	6	3	7	13	2	2	3	5	4	13	6	3	0	15	18	19	24	17	26	19	13	9	15	10	11
14	12	10	18	14	4	6	14	8	4	6	3	6	5	4	12	17	27	11	26	34	33	8	14	6	13
15	24	10	7	14	19	10	5	11	10	13	13	23	21	14	23	4	8	12	6	20	17	9	7	17	13
16	2	1	10	14	3	21	10	8	6	8	9	11	12	13	14	30	13	8	29	36	44	36	6	10	15
17	16	11	26	18	4	5	5	4	1	2	3	4	6	5	5	4	5	4	9	19	21	19	24	26	10
18	8	M	6	4	2	5	6	8	6	6	4	7	3	16	15	13	26	42	60	76	44	25	26	18	19
19	8	6	2	0	0	2	14	18	17	21	23	16	27	10	16	9	10	21	18	16	28	25	31	17	15
20	24	22	9	20	24	21	20	9	5	6	3	1	2	2	2	8	20	17	12	12	10	20	22	11	13
21	11	10	7	8	13	5	2	4	4	4	3	4	8	15	10	10	15	15	10	11	15	16	17	23	10
22	11	12	15	9	12	10	7	5	4	3	2	3	1	2	4	10	9	10	17	18	15	11	6	17	9
23	9	4	10	8	9	11	15	8	8	8	13	11	12	6	7	6	9	8	13	12	11	11	12	17	10
24	12	10	5	10	10	9	15	7	10	7	3	7	15	7	9	9	12	8	8	13	14	17	14	18	10
25	15	9	10	9	8	4	3	9	8	10	3	5	4	7	7	9	6	6	10	12	11	4	7	10	8
26	9	9	5	3	3	4	5	5	4	5	4	6	5	3	5	3	3	3	5	6	6	2	2	3	5
27	2	3	3	6	6	3	4	7	2	4	4	4	2	2	19	17	3	6	5	3	9	2	9	4	5
28	4	4	10	8	4	4	8	8	12	16	10	6	3	10	9	3	2	3	12	20	16	11	12	7	8
29	5	5	3	1	3	4	5	6	4	5	3	1	3	1	3	3	2	4	4	2	1	1	2	3	3
30	2	1	0	0	0	1	2	6	7	7	4	5	3	4	6	5	6	4	12	22	12	15	7	4	6
31	4	3	0	0	1	2	10	12	21	26	19	10	13	21	27	24	34	33	33	28	24	17	11	3	16

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	10	8	20	25	31	36	0	-	76	3	-	19	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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: AUGUST

YEAR : 2021

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	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
2	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
3	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
4	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
5	M	M	M	M	M	M	M	M	M	M	M	M	M	0	0	0	0	0	0	0	0	0	0	0	1
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	1 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	1 0
8	1	1	1	1	1	1	1	0	1	1	0	1	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0 0
10	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
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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 0
13	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	0	0	1	0	0	1	1	1 0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1 0
15	2	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	3	2	0	0	0	0	0	0 1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1 0
17	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0
18	1	0	1	1	1	1	2	2	3	3	2	4	1	1	0	2	1	0	0	1	1	1	1	1	0 1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2 0
20	1	1	0	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 1
21	2	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	1	1	1 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	1 0
23	3	4	3	2	2	2	2	1	2	2	4	2	2	1	1	2	1	1	1	1	1	1	1	1	1 2
24	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1 0
25	1	1	0	0	1	1	1	1	0	1	0	0	0	0	0	2	0	0	1	1	0	1	1	1	1 1
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 0
27	1	1	1	1	1	1	1	1	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
28	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
29	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
30	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	0	4	2	0	1	1	1	
31	1	1	1	2	1	1	1	1	1	0	1	2	2	2	0	0	2	3	1	0	0	1	0	0	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	0	0	0	1	2	2	3	0	-	4	0	-	2	1	75	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 : 2021

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	19	8	7	11	6	10	14	14	13	18	21	16	7	15	13	11	8	18	13	19	34	19	19	18	15	
2	15	13	9	12	6	14	21	25	24	22	24	17	17	10	14	32	22	12	20	26	17	11	13	13	17	
3	6	5	5	8	5	4	7	10	9	8	6	7	4	3	3	4	4	4	3	4	5	6	4	5	5	
4	4	M	4	2	3	6	9	11	16	18	20	21	37	39	M	M	27	13	21	41	22	11	8	29	17	
5	20	15	24	24	18	12	14	16	24	20	15	12	14	11	6	8	22	39	13	8	13	7	7	9	15	
6	13	11	7	7	12	8	9	10	15	29	25	19	3	4	17	15	9	21	25	16	8	12	9	13	13	
7	22	6	14	8	35	26	32	30	20	27	30	20	14	8	16	16	11	9	14	28	8	21	19	25	19	
8	30	22	19	20	16	13	17	24	31	22	21	24	23	10	8	9	11	26	26	28	32	11	17	12	20	
9	10	7	11	8	10	10	12	5	6	11	5	6	7	6	1	6	11	11	22	16	12	9	7	4	9	
10	6	7	8	7	5	8	10	9	12	13	7	4	3	3	6	3	8	10	4	9	14	15	17	8	8	
11	3	3	7	4	3	0	1	3	4	4	1	3	6	5	4	1	0	2	4	8	10	7	3	15	4	
12	13	10	5	1	1	0	4	13	7	6	11	17	7	3	3	11	5	15	12	29	16	10	10	13	9	
13	9	12	17	10	12	17	6	6	5	16	9	10	11	16	5	15	14	16	10	22	20	28	21	16	13	
14	9	18	13	12	9	9	4	7	7	5	14	9	5	9	9	18	15	27	29	18	32	25	34	15	15	
15	17	9	4	5	3	2	4	10	14	14	10	9	12	6	6	8	5	11	2	6	6	3	4	2	7	
16	1	1	5	9	19	24	14	13	10	5	4	3	13	5	6	14	15	34	25	25	24	41	38	25	16	
17	30	33	32	35	34	27	23	7	4	5	12	13	12	10	10	9	10	13	21	25	20	18	28	29	19	
18	22	M	19	15	12	22	19	17	15	17	18	25	20	15	7	23	23	23	25	23	15	12	9	10	18	
19	10	9	6	5	3	5	6	12	9	9	4	3	3	3	3	2	5	9	17	15	14	33	23	35	10	
20	26	18	9	20	34	29	19	19	20	17	13	18	21	7	6	6	12	17	10	18	26	12	16	21	17	
21	30	22	16	15	14	15	5	10	12	11	12	16	23	12	10	13	17	18	17	18	25	21	28	24	17	
22	26	22	21	9	21	15	10	11	9	11	9	6	3	10	11	13	6	23	17	15	18	27	25	19	15	
23	26	24	20	13	10	14	12	9	8	10	11	7	8	6	9	9	7	12	9	16	16	12	8	17	12	
24	13	20	21	8	11	5	17	14	9	5	2	4	8	5	3	18	13	5	17	19	12	10	12	10	11	
25	10	7	6	7	8	3	4	5	6	6	3	3	1	3	3	6	3	6	10	8	2	12	14	15	6	
26	14	10	11	10	6	5	9	5	5	3	5	2	2	3	2	4	5	5	8	12	7	4	6	7	6	
27	5	4	4	8	5	3	3	6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
28	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	
29	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	
30	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	4	6	4	5	4	2	3		
31	3	2	2	8	3	2	3	5	7	10	6	3	3	2	1	4	5	5	5	3	3	3	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		
10	10	12	10	24	28	34	35	0	-	41	4	-	20	2	89	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 : 2021  
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	1	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	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	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
11	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
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	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
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----			STN GEOM	PERCENT	NO. OF TIMES			
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE LIMIT LEVEL				
1	0	0	0	0	0	0	0	0	-	1	0	-	0	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 : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	0	2	4	1	1	4	7	4	5	7	7	6	7	8	9	9	7	4	7	19	9	6	3	6
2	3	7	1	0	0	4	9	13	17	12	15	16	13	6	7	10	11	15	11	10	9	7	7	8	9
3	12	12	10	4	3	0	5	3	4	5	4	3	3	2	2	2	2	4	3	4	3	2	2	3	4
4	1	M	1	0	1	2	5	7	14	16	17	16	16	21	15	10	20	20	28	14	13	7	9	14	12
5	9	15	13	12	11	7	8	12	15	15	14	16	16	12	10	15	15	20	14	9	10	6	6	10	12
6	6	4	3	6	4	2	7	12	12	18	13	18	12	9	16	10	11	13	22	13	10	4	6	9	10
7	12	3	5	8	7	5	7	10	12	18	20	16	12	8	12	9	11	12	11	22	11	11	4	11	11
8	8	10	7	8	3	7	9	12	9	12	8	9	7	5	2	4	12	9	16	21	9	11	15	28	10
9	13	2	3	4	4	3	6	4	6	5	4	4	3	5	3	6	5	6	8	8	8	15	14	4	6
10	2	5	5	1	2	9	15	14	11	15	12	7	8	10	9	6	9	9	5	9	9	7	5	4	8
11	2	2	5	9	4	5	6	10	11	5	6	10	3	8	15	6	7	3	13	11	12	11	15	7	8
12	5	10	2	4	7	2	4	6	5	10	8	7	6	7	8	4	6	12	11	15	9	4	6	10	7
13	6	12	8	1	2	1	3	2	6	14	7	2	4	5	8	13	18	10	9	13	9	9	16	10	8
14	13	9	18	17	5	6	12	7	5	7	3	6	2	3	6	7	9	7	10	11	12	11	13	8	9
15	16	9	8	12	10	6	6	6	9	6	9	8	7	18	14	11	10	8	4	9	12	5	11	12	9
16	3	4	9	12	2	2	11	10	13	11	9	7	8	5	5	12	14	16	24	19	16	12	7	7	10
17	10	11	16	14	6	4	7	7	2	2	1	6	8	4	6	8	7	5	8	16	18	11	10	8	8
18	7	M	5	3	1	5	9	9	7	7	5	5	4	6	4	15	14	18	24	27	32	32	28	12	12
19	7	5	3	2	2	7	15	12	16	11	9	5	7	4	4	4	12	16	10	6	9	8	16	15	9
20	14	19	13	11	10	11	12	9	7	7	5	3	2	4	4	9	9	10	12	9	9	14	17	8	10
21	8	7	5	6	7	4	3	3	3	3	3	5	12	11	7	7	12	14	8	9	12	7	11	9	7
22	6	9	10	5	8	9	5	3	3	4	4	7	4	4	6	7	5	9	8	7	8	11	8	13	7
23	11	8	8	6	6	8	9	6	5	5	7	6	7	6	5	6	9	8	13	11	11	10	19	11	8
24	12	7	6	6	7	11	10	8	8	9	3	7	12	6	4	7	14	7	8	9	14	13	14	15	9
25	9	10	10	5	5	2	5	9	9	6	3	4	2	2	6	8	6	11	11	7	8	4	5	5	6
26	3	3	2	1	2	2	4	7	8	11	7	3	2	3	4	5	7	7	6	5	4	2	1	2	4
27	1	0	1	0	2	1	1	2	2	6	2	3	2	2	8	12	9	6	8	6	9	13	19	13	5
28	16	13	4	3	2	0	2	10	11	17	7	5	3	4	3	3	3	1	6	14	13	4	3	2	6
29	0	0	0	0	0	0	1	1	3	2	1	3	7	3	3	4	2	1	1	2	3	1	1	1	2
30	0	0	0	0	0	0	4	4	3	6	7	3	3	5	6	7	5	5	7	13	7	8	5	3	4
31	2	1	1	0	0	3	6	8	12	14	12	8	7	7	9	18	21	27	28	27	17	10	6	1	10

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL		
7	7	8	7	15	17	21	27	0	-	32	2	-	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  
MONTH: AUGUST

STATION : POK FU LAM  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021  
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	0	0	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	2	2	2	2	2	2	2	3	2	3	2	2	2	3	3	3	3	3	2	3	3	2	2
3	3	3	3	2	2	3	1	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	4	3	3	3	4	3	4	3	4	4	4	4	4	4	4	3	4	4	3	4	4
5	3	4	3	2	3	4	4	4	4	4	4	4	3	3	3	4	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	2	2	2	2	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	2	2	2	3	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
11	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
12	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
13	2	2	2	2	2	2	2	2	3	2	2	2	2	3	3	3	3	2	2	3	2	2	2	2	2
14	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	3	2	2	2
17	2	2	3	3	2	2	3	3	3	2	3	4	4	2	2	3	2	3	3	3	2	2	3	2	3
18	3	3	2	3	2	2	3	3	3	3	2	3	2	3	2	2	2	2	0	0	0	1	4	3	2
19	2	3	3	2	3	2	2	3	5	3	3	2	3	3	2	3	3	3	3	2	3	3	3	2	3
20	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3
21	2	3	2	1	3	3	3	3	4	3	4	4	4	4	3	3	4	3	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3	3	3	3	4	2	3	3	2	3	2	3	2	2	2	2	2	2	3
23	2	2	2	2	2	2	3	2	3	3	3	3	4	2	2	3	3	2	3	2	2	2	2	2	2
24	2	2	2	2	2	2	2	3	3	2	3	4	3	3	3	3	3	2	2	2	2	2	3	2	2
25	2	2	2	2	2	2	2	2	3	3	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3
26	2	3	2	3	2	3	3	3	4	6	3	2	2	2	3	3	3	3	3	3	2	2	3	2	3
27	3	3	3	3	2	3	2	3	2	2	2	2	2	2	3	2	2	2	2	2	2	4	5	3	3
28	2	3	2	2	2	2	2	2	4	4	3	2	2	3	3	3	3	3	3	3	3	3	3	2	3
29	3	3	3	3	3	3	3	3	3	3	2	2	2	3	4	3	3	3	3	3	3	2	2	3	3
30	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
31	3	5	4	3	3	3	3	5	4	5	3	3	3	3	3	4	4	4	5	3	3	3	3	3	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	3	3	3	4	4	4	0	-	6	2	-	4	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 : POK FU LAM  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	2	10	5	1	5	7	13	2	5	11	10	8	6	8	12	9	10	5	9	20	16	21	6	9
2	10	14	1	2	3	16	24	18	24	20	22	19	18	11	12	15	15	28	16	21	16	8	10	10	15
3	13	16	15	5	2	1	3	6	6	6	6	3	5	4	6	5	4	10	7	6	5	8	2	6	
4	1	5	2	2	5	7	9	15	28	29	33	32	34	39	31	25	43	46	46	26	23	13	17	30	23
5	20	35	26	22	18	12	20	26	34	37	34	30	26	19	16	25	27	30	25	19	20	14	15	21	24
6	15	8	7	6	8	4	14	18	19	34	24	24	13	9	24	15	15	25	27	24	13	9	10	14	16
7	14	5	9	21	11	10	12	17	20	29	29	18	15	9	16	16	13	16	22	23	19	10	6	11	15
8	11	M	12	10	9	8	8	15	16	16	11	11	5	3	3	5	13	15	17	28	14	16	25	44	14
9	25	4	7	9	10	7	10	9	12	9	6	8	6	9	5	12	7	15	20	23	9	10	5	0	10
10	1	7	5	1	6	16	34	31	13	18	13	6	5	7	6	6	13	13	8	11	14	12	12	8	11
11	4	3	6	9	6	11	8	10	13	11	14	13	10	14	13	4	6	6	17	13	16	15	21	11	11
12	7	10	9	17	16	1	5	8	9	16	19	10	8	10	11	7	7	18	12	12	7	4	7	10	10
13	10	13	7	6	9	4	2	3	11	14	7	3	4	7	16	19	24	14	14	16	10	14	18	13	11
14	19	15	24	21	6	11	13	10	8	13	8	13	3	2	9	12	13	13	17	19	19	20	16	7	13
15	23	12	8	15	16	8	7	13	18	10	16	11	10	23	25	15	10	8	2	10	16	4	8	11	12
16	8	3	15	25	4	0	13	8	10	13	10	14	11	10	7	19	14	19	29	34	31	12	22	6	14
17	12	20	29	25	10	11	14	12	5	4	5	13	17	5	8	11	8	7	14	21	20	21	16	14	13
18	13	16	11	6	4	12	16	14	13	11	10	7	6	6	5	26	27	38	49	61	64	66	53	17	23
19	11	7	4	4	6	6	15	19	27	22	19	6	13	9	10	8	15	19	13	14	21	21	27	19	14
20	23	28	19	21	31	28	16	17	11	13	9	5	5	7	6	8	9	16	16	16	13	22	15	11	15
21	11	15	13	15	11	6	6	7	5	3	5	7	9	11	6	8	17	18	9	16	20	10	17	16	11
22	10	M	13	9	16	22	14	9	5	5	10	5	5	6	7	5	7	11	15	15	16	9	11	10	
23	11	11	10	10	13	11	14	9	6	9	6	7	8	5	8	6	12	6	17	11	11	16	22	14	11
24	17	12	11	9	11	18	13	12	12	13	5	14	17	11	6	8	11	10	12	15	18	18	23	22	13
25	13	12	13	7	7	4	3	14	16	10	3	3	2	2	6	10	7	12	8	8	4	2	5	5	7
26	4	6	4	2	2	3	3	16	14	16	6	3	1	3	3	7	7	5	3	5	2	1	1	1	5
27	1	1	1	3	1	0	2	3	2	6	2	2	1	11	17	13	6	5	10	14	19	40	41	21	9
28	18	20	5	5	3	3	5	9	21	22	9	5	3	5	5	3	1	4	13	16	11	6	2	2	8
29	3	1	1	1	2	3	4	4	5	6	3	5	4	3	24	5	3	4	4	2	1	0	1	1	4
30	0	0	0	0	0	0	1	7	8	10	6	2	1	3	6	8	3	5	13	19	17	31	16	3	7
31	4	37	32	0	1	14	19	28	29	27	12	14	14	5	28	37	37	49	70	36	31	11	7	4	23

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	11	12	11	24	30	37	46	0	-	70	4	-	24	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 : SULPHUR DIOXIDE

YEAR : 2021  
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	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	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 0
4	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
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 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 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 0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	2 0
10	0	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
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1 0
12	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	2	1	0	0	0	0	0	1 0
13	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2 0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 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	1 0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1 0
17	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1 0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1 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	1 0
20	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 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	1 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	1 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	1 0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1 0
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2 0
26	0	0	0	0	0	0	0	0	1	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 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 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 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 0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 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				
1	0	0	0	0	0	1	2	0	-	2	0	-	0	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 : AP LEI CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	4	6	3	17	5	12	14	16	21	15	11	12	11	27	25	16	25	21	41	18	9	13	15
2	6	12	1	5	6	26	22	29	20	30	31	30	20	19	15	22	13	20	15	15	10	7	2	29	17
3	23	19	24	9	3	0	4	1	0	0	0	0	0	0	2	0	0	0	0	1	4	3	5	7	4
4	1	M	2	0	3	5	11	20	27	31	31	34	33	40	22	14	30	26	52	29	17	5	12	23	20
5	12	28	21	22	10	13	25	20	29	17	22	17	20	17	12	14	29	38	12	9	14	1	4	10	17
6	18	2	3	4	6	2	7	13	20	30	26	23	16	17	37	13	18	24	16	11	8	3	6	12	14
7	10	4	12	10	13	18	18	20	22	29	38	24	15	13	25	21	17	12	23	32	8	15	7	17	18
8	8	21	14	11	4	11	10	19	18	26	17	17	7	3	4	8	10	19	16	33	25	23	24	16	15
9	10	3	4	1	4	1	2	4	4	7	12	6	14	11	5	M	7	12	6	9	21	20	3	3	7
10	2	4	7	2	4	6	16	9	21	15	6	3	5	10	2	3	11	11	6	2	14	3	10	6	7
11	2	5	16	13	5	5	6	8	11	4	10	16	8	15	9	6	13	10	14	12	14	17	13	12	10
12	19	9	2	2	2	4	20	13	12	15	10	7	10	3	7	8	6	22	23	11	10	6	9	13	10
13	17	14	10	11	19	12	16	11	19	21	11	8	15	12	17	25	24	14	13	16	21	20	25	28	17
14	16	11	14	11	9	13	20	12	19	18	17	13	16	9	13	19	17	14	17	12	20	21	31	24	16
15	27	13	25	18	25	18	7	15	16	16	13	16	18	22	12	7	11	9	8	12	8	12	8	12	15
16	7	11	17	20	22	23	9	13	9	7	7	10	14	16	15	19	24	32	26	40	36	28	27	20	19
17	21	30	32	33	22	13	20	13	8	12	15	19	16	12	14	17	15	17	27	17	12	16	13	22	18
18	14	M	9	9	13	18	16	16	16	14	9	10	9	15	16	30	21	25	34	45	20	30	5	8	17
19	5	3	3	3	8	19	23	19	13	8	4	3	3	3	3	7	20	31	21	13	26	15	39	28	13
20	26	17	10	17	10	26	24	25	23	16	10	9	9	14	9	16	20	18	11	15	16	15	26	22	17
21	20	19	13	15	21	7	6	11	10	10	12	18	15	19	15	19	19	13	7	13	21	25	22	14	15
22	26	19	7	9	21	19	15	7	10	8	12	6	7	7	9	12	10	17	12	12	18	9	9	22	13
23	15	12	7	9	9	13	11	8	8	12	7	6	12	6	7	7	15	10	11	16	9	11	25	16	11
24	21	15	10	15	23	15	10	12	9	11	9	9	13	6	8	14	10	5	6	23	26	12	17	16	13
25	11	9	11	18	2	2	5	6	8	8	3	7	2	2	5	7	2	4	4	7	2	2	6	9	6
26	4	2	2	2	3	5	8	14	17	5	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4
27	2	2	2	2	2	2	3	5	5	5	4	10	3	7	10	25	18	12	4	4	17	23	45	23	10
28	33	30	17	10	9	5	9	15	25	11	7	6	7	10	6	5	5	6	12	21	15	7	6	5	12
29	3	3	3	3	3	3	3	3	5	6	3	5	5	3	3	3	3	3	3	3	4	3	3	8	4
30	7	7	7	7	7	7	10	13	8	12	16	8	7	7	7	7	10	7	9	13	7	7	7	4	8
31	3	3	3	5	4	14	18	22	26	21	16	5	7	10	21	37	45	56	57	44	34	7	3	0	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		
10	12	13	12	25	30	36	41	0	-	57	4	-	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 : CHEUNG CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021  
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	1	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	1	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	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	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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	0
10	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	0
11	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	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	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	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	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	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	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	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	0	0
24	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	0
25	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0
28	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	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	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	1	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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					
1	0	0	0	0	0	0	1	0	-	1	0	-	0	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 : 2021  
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	1	0	1	0	1	4	4	5	8	8	2	0	2	0	0	6	8	6	33	14	12	10	12	6
2	5	0	0	10	16	13	10	17	13	15	13	8	8	9	5	0	2	0	1	4	4	1	0	6	
3	0	0	0	7	8	12	28	15	11	3	0	0	3	3	17	11	6	5	14	39	30	23	31	33	12
4	23	M	10	10	15	23	31	37	36	33	37	40	34	27	20	9	15	6	40	21	16	12	24	25	24
5	8	13	10	7	3	0	6	11	7	12	17	12	10	4	7	14	9	7	1	3	0	0	1	0	7
6	2	5	0	0	1	1	1	13	17	16	24	13	2	2	3	1	7	16	7	2	4	2	1	5	6
7	1	3	3	14	14	6	15	16	14	9	8	12	1	4	1	7	6	9	14	5	3	2	0	7	7
8	7	10	9	4	4	4	6	15	28	14	11	5	4	5	6	4	10	5	10	6	6	9	11	15	9
9	3	6	1	0	6	3	6	5	7	2	1	0	0	0	1	0	1	0	0	0	9	49	56	26	8
10	40	32	7	6	6	9	14	11	12	11	7	3	4	0	1	0	2	1	3	20	18	24	21	19	11
11	19	8	14	7	19	4	1	3	5	5	4	8	4	0	4	21	2	6	12	4	2	2	3	3	7
12	6	4	0	5	1	29	24	14	25	29	7	15	16	1	0	2	5	3	4	21	17	63	54	6	15
13	5	8	3	9	5	24	26	25	14	7	0	3	4	1	4	6	2	4	11	3	3	4	4	2	7
14	0	1	0	0	1	0	4	1	4	0	4	2	5	6	3	1	5	1	0	1	4	4	1	8	2
15	8	3	3	5	0	13	1	2	0	0	2	1	2	5	7	13	20	9	17	39	59	60	45	45	15
16	46	35	0	3	27	10	35	44	39	35	23	15	2	2	4	7	13	11	14	10	12	18	12	12	18
17	14	19	28	24	16	22	16	23	7	10	5	9	4	7	3	2	0	4	0	0	2	2	3	8	10
18	8	M	2	2	6	8	9	11	21	5	2	4	5	2	0	2	3	9	22	35	40	38	37	26	13
19	59	35	32	33	37	46	42	34	32	25	29	26	23	14	9	4	1	0	2	12	6	4	12	11	22
20	14	28	18	23	20	32	37	27	18	5	4	5	10	1	0	0	1	2	2	2	2	4	3	7	11
21	5	12	19	8	5	6	8	3	5	0	0	1	0	1	0	0	3	1	5	8	9	9	16	16	6
22	11	23	15	13	7	20	9	4	6	3	2	0	0	0	1	0	0	3	12	6	6	10	7	7	
23	17	11	8	20	8	11	19	6	8	7	4	2	1	0	0	0	1	1	6	8	7	5	0	0	6
24	0	0	8	11	12	29	36	20	10	1	0	3	1	0	1	1	0	2	4	6	12	9	8	8	8
25	12	9	3	2	5	15	20	25	21	9	9	4	3	0	2	10	20	7	15	18	43	39	42	17	15
26	26	35	35	22	31	31	23	28	21	7	4	10	10	7	11	5	8	13	29	35	14	27	8	12	19
27	2	23	20	24	18	27	18	23	15	20	11	26	21	20	32	53	47	60	28	41	66	53	43	51	31
28	43	52	24	28	50	52	50	35	36	40	35	14	1	14	19	28	4	0	11	58	62	57	48	56	34
29	58	46	37	24	8	6	4	31	6	14	16	12	11	5	1	15	42	30	9	5	19	14	1	1	17
30	0	3	13	11	40	21	22	30	34	9	18	29	6	1	6	9	2	24	17	31	27	5	12	7	16
31	3	13	10	14	33	39	36	24	19	30	37	34	4	22	33	16	23	64	83	89	54	87	95	7	36

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
9	8	13	8	35	43	56	61	0	-	95	2	-	36	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: SEPTEMBER

STATION : VICTORIA PEAK  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021  
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	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	1
2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
3	1	1	1	1	1	1	1	1	1	3	4	3	2	2	2	3	1	2	2	1	1	1	1	2	2
4	1	1	1	1	1	1	1	1	1	1	2	1	2	2	3	2	2	2	2	1	1	1	1	2	1
5	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	0	0	2	1
6	1	1	1	1	1	1	1	1	1	2	5	2	3	4	6	4	3	2	2	2	1	1	1	2	2
7	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
8	1	1	1	1	1	1	1	1	2	1	1	2	3	1	1	2	1	1	2	1	1	1	1	2	1
9	1	2	2	2	5	5	9	10	7	5	4	6	4	3	2	2	2	2	1	1	1	1	1	2	3
10	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	3	2
11	2	1	1	1	1	1	1	1	1	1	2	2	4	4	6	4	3	3	1	2	1	1	1	2	2
12	1	1	1	1	1	1	1	1	1	2	2	3	4	5	6	6	5	4	5	3	2	2	1	2	2
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	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	1	1	1	2	1
15	1	2	1	1	3	3	2	1	2	3	5	8	6	5	3	4	5	2	2	1	1	1	1	2	3
16	1	2	1	2	2	2	3	4	5	5	5	6	8	6	4	4	4	2	1	1	1	1	1	2	3
17	1	1	2	4	4	6	4	4	3	4	4	4	3	3	3	3	2	3	3	2	1	1	1	2	3
18	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	2	1
19	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	2	1
20	1	1	1	1	1	1	0	0	1	3	4	1	1	1	2	2	1	1	1	1	1	1	1	2	1
21	1	1	1	1	1	1	1	1	2	3	4	3	1	1	1	1	1	1	1	1	1	1	1	2	1
22	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
23	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	2	0
24	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1
25	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
26	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	3	1
27	1	1	1	1	1	1	1	1	1	2	1	1	1	2	3	3	2	2	2	1	1	1	1	3	1
28	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3	2	2	2	1	1	2	3	2
29	1	1	1	1	1	1	1	2	2	3	9	25	3	8	23	M	M	M	M	M	M	M	M	M	
30	M	M	M	M	M	M	M	M	M	M	4	7	7	6	4	5	5	4	2	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	2	1	3	5	6	8	0	-	25	0	-	3	2	97	0

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

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

STATION : VICTORIA PEAK  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	M	1	1	2	2	1	4	8	7	5	5	3	4	4	4	4	2	4	4	2	0	3	3	3
2	2	4	1	1	1	0	1	2	5	3	2	3	3	5	4	3	3	3	7	3	3	1	5	9	3
3	7	4	1	1	3	2	3	4	6	15	16	10	10	10	12	11	10	13	15	17	16	14	13	17	10
4	10	6	8	3	3	4	6	3	6	9	14	13	12	12	13	10	11	9	17	13	6	2	4	4	8
5	5	3	2	2	2	5	5	3	2	8	20	19	12	8	8	8	8	7	26	28	3	0	0	1	8
6	1	1	2	4	5	7	12	11	14	21	30	21	24	21	34	26	21	15	17	21	14	7	5	4	14
7	4	4	2	2	2	3	5	4	6	6	5	5	4	7	3	2	1	1	2	4	2	1	2	3	
8	2	1	0	2	5	5	9	12	12	9	7	12	16	9	7	7	9	9	16	2	1	0	8	5	7
9	12	32	15	28	43	39	43	42	45	58	56	63	44	27	16	16	17	13	10	7	7	9	6	5	27
10	2	3	3	4	5	4	7	11	11	10	10	11	10	8	12	18	9	8	5	5	4	4	2	8	7
11	7	8	4	2	3	2	2	8	5	9	9	13	19	19	25	22	18	12	16	12	7	8	8	7	10
12	8	4	7	3	6	7	5	9	12	17	19	15	16	18	14	24	20	24	37	31	37	31	9	5	16
13	3	6	3	2	3	2	3	6	8	4	3	4	5	7	13	17	16	14	14	25	16	11	8	10	8
14	5	7	4	6	7	5	8	5	3	18	20	20	14	8	5	15	14	24	18	27	19	21	32	10	13
15	24	M	33	30	48	41	12	6	9	21	21	35	33	20	17	12	10	11	9	12	11	12	9	12	19
16	11	14	14	13	21	24	29	23	26	26	25	33	34	78	72	41	49	53	33	11	7	6	22	8	28
17	7	6	14	22	20	35	24	12	33	60	51	54	35	20	22	29	22	36	44	32	25	10	5	7	26
18	4	3	3	3	2	2	2	4	8	10	7	7	5	3	5	4	5	5	5	3	3	3	2	4	4
19	0	0	0	0	1	2	0	1	1	2	1	0	0	0	0	1	0	2	1	2	1	2	2	9	1
20	4	1	0	0	1	1	1	1	4	16	17	16	4	6	8	19	20	13	9	9	6	6	7	4	7
21	0	1	1	1	4	6	9	8	17	21	24	20	14	14	18	22	21	10	8	8	14	3	12	13	11
22	4	2	2	4	3	1	1	5	10	6	4	2	2	1	1	1	0	2	4	2	2	3	3	3	3
23	1	0	1	0	0	0	1	1	4	3	3	2	2	2	3	4	5	5	1	5	2	3	3	3	2
24	0	0	0	0	0	0	0	1	2	2	3	4	3	4	4	5	4	3	3	2	3	5	2	4	2
25	1	1	0	0	0	1	4	7	11	11	7	5	7	7	9	8	4	6	6	4	4	3	3	3	5
26	0	1	1	2	1	1	3	4	3	6	12	7	4	8	5	8	17	17	14	6	3	4	3	5	6
27	2	2	1	0	1	1	3	7	13	28	22	19	17	16	24	17	17	20	17	16	13	6	4	5	11
28	2	2	2	3	1	1	5	11	31	31	50	24	23	21	17	26	27	24	22	30	19	13	18	15	17
29	10	M	2	4	4	4	8	8	18	30	22	40	12	15	26	26	19	16	17	19	16	11	8	8	15
30	8	7	5	6	4	6	5	16	19	13	14	28	25	20	26	27	27	19	15	18	18	12	11	9	15

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	10	7	24	32	44	53	0	-	78	1	-	28	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 : 2021

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	1	0	0	0	1	0	1	3	0	0	0	0	2	2	1	1	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0
4	1	1	1	0	1	1	0	0	0	0	1	0	0	2	2	1	1	1	3	1	1	0	1	0	1	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	
6	1	1	1	1	0	1	1	0	1	7	4	6	2	4	4	3	2	1	2	2	1	1	1	1	0	2
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	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
9	1	1	1	1	1	1	3	1	2	4	7	1	1	1	0	0	1	1	2	1	1	1	1	1	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	3	0	
11	3	2	1	2	1	1	1	1	1	9	3	2	1	1	1	2	1	2	2	1	0	0	1	0	2	
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	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	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0
15	1	1	1	2	1	2	2	1	2	1	2	3	0	0	0	1	1	2	1	1	1	1	0	1	1	1
16	1	1	1	1	2	2	1	2	2	6	4	5	6	2	3	1	1	3	2	1	1	1	1	1	0	2
17	0	0	2	2	2	1	2	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	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
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	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	0
21	1	1	1	1	1	1	1	1	1	2	1	0	0	0	2	0	0	0	1	1	1	1	1	1	1	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	0
23	0	0	0	0	0	0	0	0	0	0	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
24	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	0	0	0	0	0	0	1	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	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	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	M	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0
30	1	1	1	1	1	1	1	1	1	9	7	3	1	0	1	0	1	1	1	0	0	0	0	0	0	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	0	0	0	1	2	3	6	0	-	9	0	-	2	2	96	0

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

MONTH: SEPTEMBER

YEAR : 2021

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	M	3	2	2	1	1	2	2	0	1	1	1	1	2	2	0	1	2	4	2	3	3	7	2
2	8	9	3	3	4	4	4	5	6	4	4	3	2	2	2	2	2	5	7	6	6	6	7	6	5
3	7	6	7	7	6	4	3	8	6	2	5	9	12	6	4	4	5	9	11	14	11	9	16	20	8
4	10	9	11	6	7	6	4	4	6	16	11	5	3	15	12	11	10	10	14	13	7	5	13	8	9
5	11	7	7	7	5	7	5	5	3	6	4	3	2	10	4	4	13	8	9	4	8	20	6	9	7
6	6	7	6	3	5	10	16	8	12	27	25	27	15	27	33	30	23	9	8	9	6	6	6	4	14
7	5	3	4	4	4	5	7	5	4	3	3	3	2	2	2	2	3	3	5	4	4	5	5	6	4
8	8	6	3	1	5	7	8	9	5	3	3	3	4	4	3	4	4	8	15	13	8	10	11	21	7
9	11	11	12	13	17	32	44	24	31	39	46	30	24	16	13	11	11	13	16	12	12	12	11	4	19
10	4	3	3	7	8	7	7	9	6	5	4	4	3	4	4	5	8	7	5	14	28	13	24	17	8
11	17	16	8	8	6	6	6	9	18	41	18	15	18	17	25	37	27	28	34	20	17	20	21	13	19
12	13	16	9	11	10	8	14	14	20	18	24	21	23	34	36	39	36	61	63	53	15	20	17	10	24
13	10	14	11	15	17	10	13	18	16	13	7	5	7	12	8	12	14	16	18	21	21	19	19	18	14
14	11	12	19	24	22	17	17	17	7	4	3	7	8	10	11	27	31	47	37	33	48	50	47	26	22
15	36	M	40	43	36	50	45	29	28	43	43	45	25	23	13	14	10	13	19	15	16	11	11	17	27
16	13	18	25	19	16	22	24	30	35	29	46	49	63	41	19	28	41	60	61	40	25	27	27	23	33
17	25	38	73	69	65	55	61	58	47	43	45	25	14	11	12	8	7	7	8	10	5	6	2	1	29
18	1	3	3	3	0	1	2	2	2	3	2	1	1	0	0	3	0	1	4	3	5	6	5	3	2
19	1	1	0	3	2	2	1	2	2	4	1	1	2	1	1	1	2	5	9	8	5	6	8	8	3
20	4	4	3	2	4	1	3	4	5	9	2	1	1	1	1	0	6	5	5	6	10	11	9	4	4
21	4	5	5	4	7	5	6	7	10	18	3	3	3	2	8	16	4	7	8	6	7	6	8	9	7
22	6	6	6	8	8	1	1	3	5	5	3	3	3	1	2	1	2	5	6	4	3	4	4	3	4
23	2	1	2	1	1	2	4	4	3	1	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
24	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1	2	2	2	2	1	1
25	0	0	0	0	0	0	0	1	1	0	1	1	1	0	1	1	2	2	3	2	2	4	3	2	1
26	1	1	1	1	1	1	2	2	1	2	2	2	2	3	3	4	5	5	4	8	6	5	4	5	3
27	3	2	2	2	3	3	3	6	6	4	M	6	4	3	5	5	6	15	11	11	7	8	6	3	5
28	2	2	1	1	2	1	3	11	12	10	6	4	4	3	3	6	13	9	16	14	16	8	9	5	7
29	3	M	2	6	14	11	9	15	33	23	20	28	19	7	15	9	13	12	14	15	11	10	16	12	14
30	9	7	7	9	8	11	8	15	18	49	32	18	15	9	23	27	39	26	23	12	11	11	8	10	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		
7	7	11	7	27	40	49	61	0	-	73	1	-	33	3	95	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 : 2021  
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	0	0	0	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	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	0	1	1	0	2	2	4	3	1	0	0	0	1	0	0	0	0	0	0	0	0	1
10	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
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	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	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	2	2	2	3	1	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	1	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	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	0	0
20	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
21	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
22	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
23	0	0	0	0	0	0	0	0	0	0	M	2	0	0	1	1	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	2	M	1	1	1	1	1	0	1	0	1
28	0	0	0	0	0	0	0	0	1	3	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	3	2	1	1	1	1	1
30	1	1	1	1	0	1	1	1	2	3	2	5	4	2	2	2	2	2	1	1	1	1	1	2	2

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			
1	0	0	0	1	1	2	3	0	-	5	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: SEPTEMBER

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	M	1	0	0	0	1	3	2	3	4	2	3	5	5	2	2	2	2	3	1	1	1	1	2
2	0	1	0	0	0	0	2	2	4	5	3	4	3	2	6	4	6	7	8	5	4	3	2	3	3
3	2	1	0	0	0	0	4	5	4	11	9	6	4	4	9	11	6	11	13	14	9	6	6	7	6
4	4	3	4	1	4	5	5	4	6	7	7	10	11	11	9	11	10	12	15	10	5	3	3	3	7
5	3	2	1	1	0	2	3	7	7	9	12	13	6	6	7	11	14	14	13	15	6	2	1	2	7
6	1	0	0	2	8	12	13	10	13	13	13	14	17	14	20	18	14	16	14	15	10	6	3	3	10
7	2	1	0	0	0	1	3	3	3	3	2	2	3	4	4	3	2	4	3	2	3	4	1	2	2
8	1	1	0	1	2	4	7	7	7	8	5	8	14	8	9	6	8	12	13	9	10	6	6	8	7
9	6	7	13	15	17	18	17	16	17	21	25	33	29	18	12	19	23	13	16	9	7	7	5	4	15
10	3	2	2	2	2	2	4	7	6	6	5	6	6	6	8	12	9	10	8	7	6	10	13	8	6
11	6	10	6	9	7	5	9	5	18	13	9	8	8	15	17	13	15	8	11	9	7	8	8	7	10
12	7	4	6	3	5	3	5	5	8	8	11	11	15	14	17	17	13	20	19	19	16	12	10	7	11
13	5	7	4	4	6	3	4	6	8	7	8	5	6	6	7	14	8	13	12	9	8	8	7	7	7
14	7	6	4	5	6	5	9	10	8	12	12	7	9	8	9	12	11	15	12	12	15	18	12	5	10
15	5	M	13	12	16	18	16	13	15	20	23	18	21	17	16	12	10	13	15	14	11	12	7	8	14
16	6	6	7	6	5	7	14	12	12	13	20	29	37	50	35	24	38	38	23	20	17	13	20	37	20
17	36	18	25	24	30	31	28	27	28	29	33	28	18	15	15	13	11	23	21	24	19	13	7	6	22
18	5	4	3	3	3	3	5	8	12	12	8	7	7	7	5	7	6	5	4	4	4	4	3	2	5
19	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	3	2	2	2	2	3	4	1
20	2	0	0	0	0	1	7	7	8	9	8	4	2	2	9	6	14	10	7	6	4	4	4	3	5
21	1	0	1	0	1	2	5	5	9	11	12	6	10	9	13	12	16	13	11	16	12	6	9	9	8
22	4	1	1	2	2	0	1	2	9	13	9	5	4	3	3	3	3	3	3	2	2	3	2	2	3
23	0	0	0	0	0	0	1	2	3	2	M	5	3	3	3	3	4	4	3	3	2	2	2	1	2
24	1	1	1	1	1	1	2	3	3	3	3	5	4	5	6	5	6	6	5	4	4	5	4	4	3
25	2	2	2	1	1	1	3	4	5	6	5	6	7	7	6	8	6	6	6	5	5	5	4	4	4
26	3	2	2	2	2	2	3	3	3	4	5	7	4	5	6	6	9	18	11	7	5	5	5	4	5
27	4	3	2	2	2	3	6	8	10	9	10	10	9	8	27	M	14	23	18	15	12	10	8	7	10
28	6	6	5	6	6	5	9	13	38	54	35	16	16	19	18	24	20	21	13	37	14	16	19	15	18
29	15	M	8	12	9	7	8	11	26	29	16	15	15	18	18	21	15	16	16	16	17	21	15	11	15
30	13	12	10	13	10	16	13	15	17	17	18	29	23	21	16	16	20	19	16	14	16	11	12	12	16

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
6	6	8	6	18	23	30	37	0	-	54	1	-	22	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 : 2021  
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	3	3	3	M	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	4	3	8	8	6	5	4	4	5	5	4	4	4	4	3	4	3	4
4	3	4	3	3	3	3	3	3	3	4	3	5	6	6	4	4	4	5	4	3	3	3	3	3	4
5	3	3	3	3	3	3	3	3	4	7	5	4	3	3	4	4	4	4	3	3	3	3	3	3	4
6	3	3	3	3	3	4	3	4	12	10	7	7	5	6	6	7	6	6	4	4	3	3	3	3	5
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	4	3	4	5	7	5	6	5	4	4	3	4	4	3	3	3	3	3	3	4
9	3	3	4	6	8	8	9	11	14	14	7	6	5	4	4	5	4	4	4	3	3	3	3	3	6
10	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4
11	4	4	4	5	4	4	4	4	7	6	5	5	6	M	8	4	5	4	4	4	4	3	4	4	5
12	4	4	4	4	4	4	4	4	4	4	4	4	4	M	4	4	3	4	4	4	3	3	3	3	4
13	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3	2	2	2	2	2	3
15	2	3	3	3	4	4	5	4	5	5	6	5	6	4	3	3	2	2	2	2	2	3	3	2	3
16	3	3	3	3	3	3	3	3	3	3	4	5	8	9	5	5	5	5	3	3	4	4	4	5	4
17	5	6	6	5	4	5	5	6	6	6	6	7	5	5	5	4	4	5	5	4	4	3	3	3	5
18	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	4	8	15	6	4	3	4	6	3	4	3	3	3	3	3	3	3	4
21	3	3	3	3	3	4	6	5	7	7	M	M	0	0	2	2	4	2	1	1	1	1	1	1	3
22	1	1	1	1	1	1	1	2	2	3	3	1	1	1	1	1	0	1	0	1	1	0	0	0	1
23	0	0	0	0	M	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	0	0	1	0	0	0	0	1	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0
26	1	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1
27	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	2	3	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	3	5	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	2	3	7	14	6	3	1	1	1	1	1	1	0	1	1	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		
3	3	3	3	5	6	8	9	0	-	15	0	-	6	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 : 2021  
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	3	0	0	1	1	2	6	7	M	7	2	2	5	6	2	2	1	4	4	1	1	1	2	3
2	2	2	0	0	0	0	1	3	6	7	3	4	4	5	6	6	8	7	6	6	2	1	1	4	4
3	1	1	0	0	0	0	2	4	22	19	12	6	3	5	6	8	10	10	17	17	10	7	8	9	7
4	4	6	5	2	4	7	4	2	9	8	7	14	17	14	7	5	9	16	26	11	4	1	2	1	8
5	3	M	0	1	0	3	2	4	13	25	24	15	9	8	7	13	18	21	23	25	3	0	2	1	10
6	2	1	1	5	7	24	18	16	28	27	28	30	27	20	30	34	34	48	19	16	9	9	7	6	19
7	5	3	1	1	1	1	5	6	8	8	6	4	4	3	5	2	1	2	2	1	3	3	0	0	3
8	0	0	0	0	1	3	12	12	13	17	15	18	16	6	10	10	12	16	19	7	3	3	3	5	8
9	17	19	26	38	40	40	39	38	38	45	57	61	45	26	19	26	28	25	22	17	14	15	13	8	30
10	4	3	3	3	4	4	7	15	11	12	11	10	11	11	12	20	9	18	11	10	4	7	6	6	9
11	5	4	7	26	6	7	20	13	36	21	9	12	14	34	35	26	28	13	16	13	8	11	11	10	16
12	16	7	15	6	12	8	7	9	14	16	23	16	23	M	23	27	15	43	33	27	21	14	17	8	17
13	8	11	6	9	15	4	4	10	11	8	5	8	8	6	21	16	6	20	21	16	11	11	7	8	10
14	5	6	3	5	6	5	11	10	14	18	21	21	15	10	20	33	28	27	22	25	33	33	24	14	17
15	23	20	34	35	43	40	35	30	31	37	38	29	32	26	23	21	17	19	28	20	20	18	13	18	27
16	15	15	12	16	15	19	32	26	27	30	42	47	68	110	79	46	79	88	43	50	38	34	33	79	43
17	74	49	61	70	75	75	69	64	63	57	52	47	35	29	28	27	22	49	49	38	39	23	12	11	47
18	7	5	4	5	4	3	4	13	20	14	7	7	5	3	5	2	3	5	5	1	1	3	2	0	5
19	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	2	4	0
20	2	0	0	0	0	0	1	13	14	20	11	5	0	1	17	15	27	19	12	3	4	7	7	1	7
21	1	0	0	0	2	10	25	22	22	28	M	14	25	31	32	46	42	21	26	19	10	17	19	19	19
22	9	5	6	7	7	5	10	26	24	31	25	14	9	8	7	5	6	4	8	8	7	7	6	6	10
23	4	3	4	3	M	3	4	5	7	6	5	5	5	5	5	7	9	9	6	7	6	8	7	5	6
24	3	2	2	2	2	2	3	5	6	5	6	7	5	8	9	10	8	8	8	6	7	8	5	6	6
25	3	4	4	4	4	4	6	8	8	11	12	11	9	10	11	9	8	12	14	10	9	8	7	6	8
26	4	4	4	5	4	4	6	6	7	9	9	8	8	10	14	13	14	29	27	11	7	8	8	8	9
27	6	5	4	4	4	5	8	15	22	20	23	21	12	21	28	22	20	37	20	18	18	12	9	8	15
28	6	5	4	7	6	6	22	59	69	73	45	25	20	21	21	25	28	31	20	39	20	20	24	21	26
29	16	10	7	18	14	11	14	28	53	50	24	19	16	16	19	19	15	15	14	21	20	23	19	11	20
30	15	12	10	15	14	26	12	26	27	30	26	48	21	22	18	23	24	33	25	20	16	12	12	17	21

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		
10	9	14	9	32	44	63	74	0	-	110	0	-	47	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 : 2021  
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	M	M	0	
2	M	M	M	M	M	M	M	M	M	M	M	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	1	2	6	6	3	2	5	2	2	2	0	0	0	0	0	0	1	1
4	0	0	0	0	0	0	0	0	0	1	0	2	2	3	5	3	3	0	0	0	0	0	0	0	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	1	0
6	0	0	0	0	1	1	0	2	8	7	5	4	6	5	2	2	2	0	0	0	0	0	0	0	1	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	M	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	0	0	0	0	0	0	1	0
9	0	1	5	7	7	3	2	4	8	10	5	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2
10	0	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
11	0	0	0	0	0	0	1	1	5	1	1	0	0	2	2	1	0	0	0	0	0	0	0	0	1	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
13	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
14	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
15	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	2	4	5	4	3	0	0	0	0	0	0	0	0	0	0	1	1
17	1	1	2	0	0	0	0	1	1	0	2	1	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	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	0	0	0
20	0	0	0	0	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	5	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	2	1	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	0
24	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
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0
28	0	0	0	0	0	0	0	0	1	4	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	0
30	0	0	0	0	0	0	0	0	0	1	1	13	3	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	1	2	5	6	0	-	13	0	-	2	2	98	0

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

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

STATION : AP LEI CHAU  
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021  
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	M	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	M	M	0
2	M	M	M	M	M	M	M	M	M	M	M	1	0	0	0	0	1	3	5	7	4	2	2	11	
3	8	9	8	7	8	12	7	7	13	20	27	28	18	13	22	15	20	18	16	12	12	11	15	19	14
4	11	14	11	7	14	14	12	9	10	19	14	17	17	21	23	18	20	13	18	13	12	8	12	11	14
5	12	9	9	9	8	12	9	8	7	11	8	6	12	14	11	23	17	17	12	12	7	10	8	10	11
6	7	7	7	11	20	31	21	26	31	32	33	27	25	26	18	18	23	11	18	17	13	6	8	8	19
7	7	5	5	5	5	8	9	7	9	9	8	6	7	7	6	M	M	0	2	1	0	0	0	0	5
8	0	0	0	0	4	4	7	5	2	0	0	0	2	0	1	0	1	3	5	4	1	2	3	22	3
9	29	35	39	42	40	38	35	38	41	45	46	37	18	8	3	2	5	8	10	4	2	4	3	5	22
10	3	1	2	2	4	5	8	11	10	8	6	6	6	4	0	1	1	2	8	4	14	9	9	15	6
11	11	10	6	6	3	12	41	40	48	27	16	13	21	28	42	33	24	23	21	20	11	15	18	19	21
12	19	7	10	8	16	5	14	13	18	13	22	19	26	19	27	27	26	45	45	38	30	13	11	10	20
13	6	16	5	11	15	9	17	19	13	17	14	12	15	18	22	28	18	22	32	10	14	17	13	17	16
14	13	18	20	35	19	18	21	14	14	15	17	5	8	10	15	23	30	41	29	28	43	41	32	11	22
15	25	34	36	32	40	41	19	13	31	45	57	29	42	29	25	20	20	16	17	10	14	14	9	18	27
16	11	12	19	18	15	20	27	26	25	28	41	45	56	89	37	48	61	65	38	25	27	28	56	76	37
17	77	69	56	66	74	78	65	55	62	50	44	36	17	17	13	13	11	33	38	28	15	6	4	6	39
18	4	4	4	4	3	5	4	3	7	9	6	7	5	5	4	3	4	3	4	1	2	4	3	2	4
19	0	0	0	1	2	1	1	0	1	1	0	0	0	0	0	0	0	4	3	2	0	1	4	5	1
20	2	1	1	0	1	1	1	14	17	13	5	0	2	3	17	15	19	4	1	2	6	11	8	6	6
21	4	M	6	5	10	17	19	23	24	26	17	8	8	10	25	25	15	8	3	4	4	9	9	13	13
22	4	3	2	5	4	4	7	8	22	22	2	1	2	1	0	1	3	5	3	1	2	1	1	1	4
23	0	0	0	0	0	0	0	0	0	4	4	2	1	1	0	0	2	4	5	3	1	2	0	1	1
24	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	2	2	1	1	1	1	2	1
25	0	0	0	0	0	1	3	5	6	6	5	6	4	4	5	3	1	4	3	1	0	2	2	3	3
26	2	1	1	1	2	2	4	3	3	4	7	5	3	3	3	4	9	7	7	6	4	9	9	6	4
27	7	4	0	0	2	3	7	5	7	10	8	8	4	4	8	7	10	12	11	13	6	6	4	3	6
28	1	3	1	2	4	3	13	24	75	73	18	6	5	7	7	16	19	8	15	24	17	18	16	13	16
29	7	7	9	20	23	7	12	23	39	41	20	23	24	25	28	21	11	12	16	18	22	23	18	14	19
30	25	14	7	10	19	12	6	23	25	37	45	67	26	20	20	20	21	29	18	12	14	9	6	18	21

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
9	8	13	8	30	41	57	69	0	-	89	0	-	39	3	98	0

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

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

STATION : CHEUNG CHAU  
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021  
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	M	0	0	1	2	1	0	0	0	0	0	0	3	0	
2	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1	1	2	2	1	0	0	0	0	0	4	1	
3	1	1	2	1	2	2	2	2	2	1	1	1	1	1	1	4	5	3	2	1	1	1	1	1	3	2	
4	2	2	1	2	2	2	2	1	1	1	1	0	1	2	M	M	M	M	M	M	M	M	M	M	M		
5	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		
6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	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	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	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	
10	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	
11	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	
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	1	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	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	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	0	2	0	
17	0	0	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	0	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	
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	1	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	1	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	2	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	1	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	1	0	
24	0	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	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	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	1	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	1	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	1	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	M	M	0	0	0	0	0	0	0	0	0	9	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		
1	0	0	0	1	1	2	2	0	-	9	0	-	2	2	93	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 : 2021  
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	M	4	4	10	4	5	18	15	3	1	7	3	7	6	0	0	0	0	11	20	3	9	6	6
2	8	9	9	5	5	5	7	17	16	3	1	0	0	1	2	1	10	15	14	17	29	22	9	26	10
3	29	24	31	31	22	29	33	18	21	8	7	4	0	1	3	17	18	9	12	3	9	18	29	48	18
4	26	5	11	10	6	4	22	21	4	12	17	4	7	10	15	21	30	14	32	29	44	20	15	31	17
5	16	14	17	10	9	20	29	27	16	6	2	3	4	8	16	5	12	12	24	35	38	26	19	24	16
6	41	39	42	31	37	50	52	43	32	23	20	10	28	22	23	13	18	35	21	70	91	52	12	11	34
7	12	16	11	17	30	44	27	22	14	13	9	5	5	7	3	0	0	7	15	3	1	5	19	12	
8	22	35	33	24	26	28	28	27	25	26	8	7	12	11	11	36	17	23	33	28	43	47	53	70	28
9	70	43	49	30	11	26	35	29	35	46	49	35	47	34	9	5	8	28	20	11	6	7	11	8	27
10	8	10	9	29	26	27	14	18	31	18	9	6	5	3	1	1	2	8	9	6	8	34	61	55	17
11	65	62	51	38	39	53	69	60	47	11	4	4	7	10	13	12	10	15	10	8	6	13	14	9	26
12	6	1	1	1	3	5	8	10	8	7	11	18	13	13	20	22	17	27	32	20	14	14	12	7	12
13	4	1	2	1	3	5	10	17	11	6	6	3	4	5	3	3	3	8	6	4	14	33	16	9	7
14	6	4	4	5	7	3	7	33	28	6	1	1	M	5	1	9	14	16	25	58	62	43	31	45	18
15	55	M	51	38	42	45	47	43	50	35	25	28	21	20	11	5	5	8	9	8	14	10	8	13	26
16	12	11	11	17	22	21	15	22	14	40	53	31	23	12	13	31	62	86	46	53	30	13	65	62	32
17	46	50	51	50	64	61	49	54	65	81	47	55	38	17	20	18	16	22	21	21	42	22	15	30	40
18	16	13	10	15	22	8	11	13	11	27	8	4	1	0	0	1	1	2	3	4	7	5	5	8	8
19	7	4	11	17	17	14	4	3	1	0	1	0	0	0	0	0	0	1	10	14	13	9	9	6	6
20	1	2	11	20	21	16	22	22	15	2	5	6	1	1	0	1	3	10	6	19	17	24	29	26	12
21	18	22	25	27	30	27	26	28	23	15	15	11	1	0	23	30	31	13	31	47	35	46	57	63	27
22	63	27	28	34	39	44	39	33	23	22	15	4	0	1	0	0	0	1	10	9	9	8	2	4	17
23	1	1	2	0	5	4	10	10	2	2	8	8	2	2	1	0	0	4	5	21	53	18	10	11	8
24	9	0	0	2	1	3	6	3	0	0	0	0	0	0	0	1	0	0	1	1	1	3	2	1	1
25	0	2	5	3	1	1	3	11	24	16	5	4	7	4	2	2	0	1	1	1	1	5	4	5	5
26	3	14	7	3	14	11	10	5	9	8	15	9	6	11	3	2	1	3	7	4	7	5	31	72	11
27	27	17	11	21	31	46	55	63	18	10	4	1	1	3	6	3	8	1	2	1	3	7	8	8	15
28	6	4	10	21	14	4	20	41	18	14	16	9	2	5	4	3	9	7	5	3	5	3	3	6	10
29	1	M	2	3	5	14	20	34	7	7	8	6	6	3	2	1	1	4	2	4	7	7	4	12	7
30	5	5	8	3	1	4	26	46	21	26	11	8	8	M	M	4	1	2	2	1	3	0	0	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		
10	10	16	10	42	51	63	68	0	-	91	1	-	40	3	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 2021

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
03/07/21	5*	15	7	11	8.0	7.7	7.9
10/07/21	7	20	8	14	8.0	7.8	7.9
17/07/21	7	23	10	17	7.9	7.7	7.8
24/07/21	7	15	5	9	7.9	7.8	7.8
31/07/21	7	21	4	14	8.0	7.8	7.9
07/08/21	7	19	10	14	8.0	7.8	7.9
14/08/21	7	24	15	19	7.9	7.8	7.9
21/08/21	7	24	18	22	8.1	7.9	8.0
28/08/21	7	21	11	16	8.0	7.8	7.9
04/09/21	7	15	4	9	8.0	7.8	7.9
11/09/21	5*	24	8	16	8.0	7.7	7.9
18/09/21	7	20	5	11	8.0	7.9	7.9
25/09/21	7	10	3	6	8.0	7.8	7.9

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 2021

Sampling date		8/7/2021	12/8/2021	2/9/2021
Barium,	ug/L	<150	<150	<150
Mercury,	ug/L	<0.5	<0.5	<0.5
Cadmium,	ug/L	<1.0	<1.0	<1.0
Iron,	ug/L	<400	<400	<400
Total Phosphorous,	mg/L	<0.8	<0.8	<0.8
Total Nitrogen,	mg/L	26	36	45
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 1/10th of the WPCO Licence permitted limits will not be reported. When the concentration of a metal exceeds 1/10th 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