

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**

**April – June 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 (April to June 2021)
Date	29 September 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 April to June 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	1/4/2021 00:00 to 5/4/2021 13:33	Defect rectification
L5	10/4/2021 01:13 to 10/4/2021 20:59	Defect rectification
L5	30/4/2021 18:30 to 30/4/2021 23:59	Defect rectification
L5	1/5/2021 00:00 to 2/5/2021 17:01	Defect rectification
L5	16/5/2021 06:00 to 16/5/2021 16:04	Defect rectification
L5	11/6/2021 23:00 to 14/6/2021 16:55	Defect rectification
L5	22/6/2021 19:47 to 23/6/2021 02:10	Defect rectification

### Malfunction/Outage Records of Pollution Control Equipment

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

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

### Environmental Monitoring Works

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

#### *Air Quality*

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

#### *Water Quality*

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

### Environmental Licensing and Permitting

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
Environmental Permit for L4/5 FGD plants retrofit project	EP-248/2006	25/04/2006	-	HK Electric	25/04/2006
Environmental Permit for Unit L2 FGD plant retrofit project	EP-287/2007	02/10/2007	-	HK Electric	02/10/2007
Specified Process Licence issued under APCO	L-7-002(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 April to June 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	1/4/2021 00:00 to 5/4/2021 13:33	Defect rectification
L5	10/4/2021 01:13 to 10/4/2021 20:59	Defect rectification
L5	30/4/2021 18:30 to 30/4/2021 23:59	Defect rectification
L5	1/5/2021 00:00 to 2/5/2021 17:01	Defect rectification
L5	16/5/2021 06:00 to 16/5/2021 16:04	Defect rectification
L5	11/6/2021 23:00 to 14/6/2021 16:55	Defect rectification
L5	22/6/2021 19:47 to 23/6/2021 02:10	Defect rectification

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

Equipment	Period	Cause	Actions Taken
L4 FGD	14:00 on 18/05/2021 to 16:22 on 18/05/2021	FGD plant was bypassed for FGD bypass damper control air circuit checking	EPD was informed on 21/05/2021
L4 FGD	13:22 on 19/06/2021 to 14:11 on 19/06/2021	FGD plant was bypassed for Lamma 275 kV Busbar 1 Buszone Scheme Test	EPD was informed on 22/06/2021
L5 FGD	03:11 on 29/05/2021 to 03:15 on 29/05/2021	Routine Dampers Exercise	EPD was informed on 31/05/2021
L5 FGD	01:25 on 05/06/2021 to 01:27 on 05/06/2021	Routine Dampers Exercise	EPD was informed on 05/07/2021
L5 FGD	13:21 on 19/06/2021 to 14:14 on 19/06/2021	FGD plant was bypassed for Lamma 275 kV Busbar 1 Buszone Scheme Test	EPD was informed on 22/06/2021

## 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.

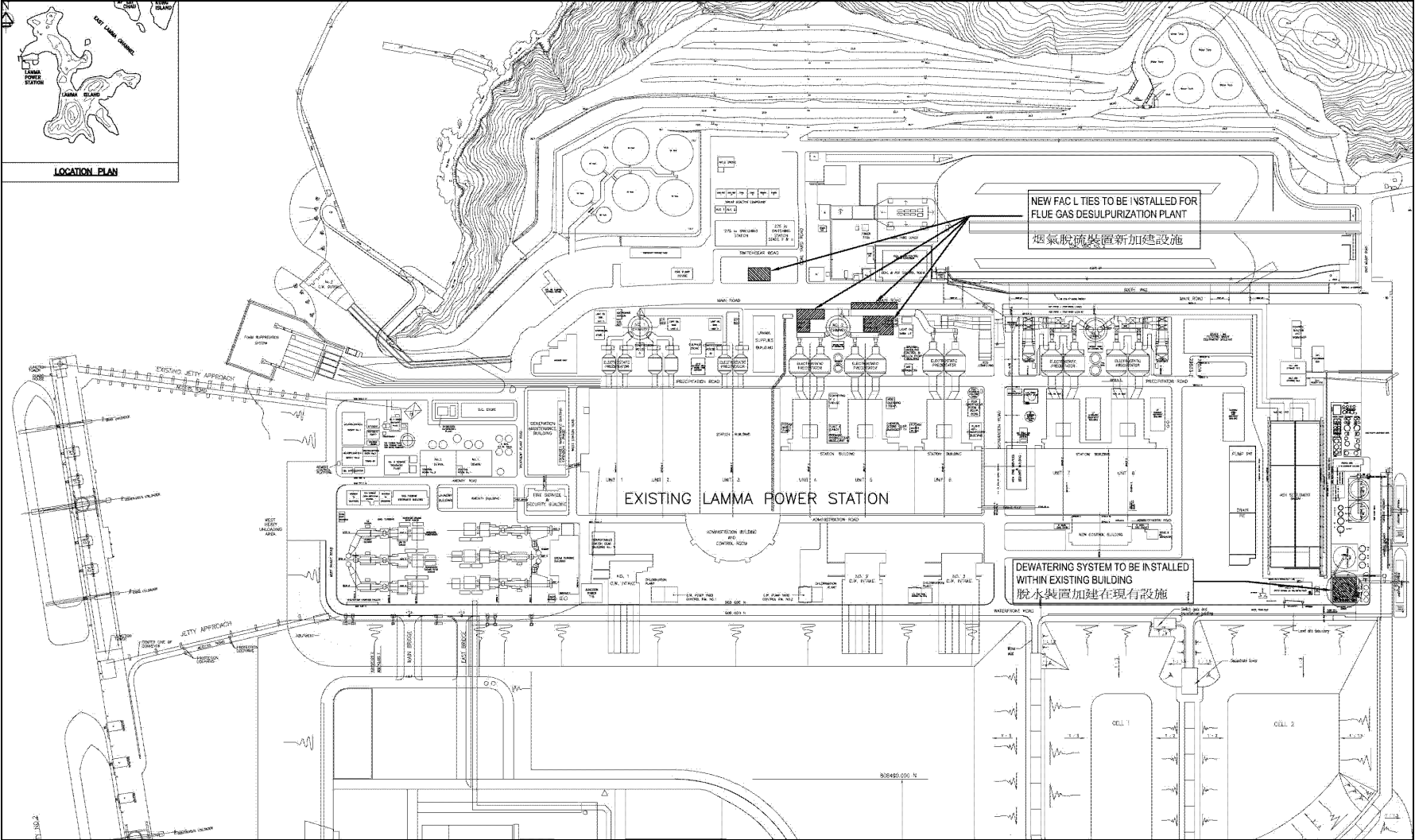


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

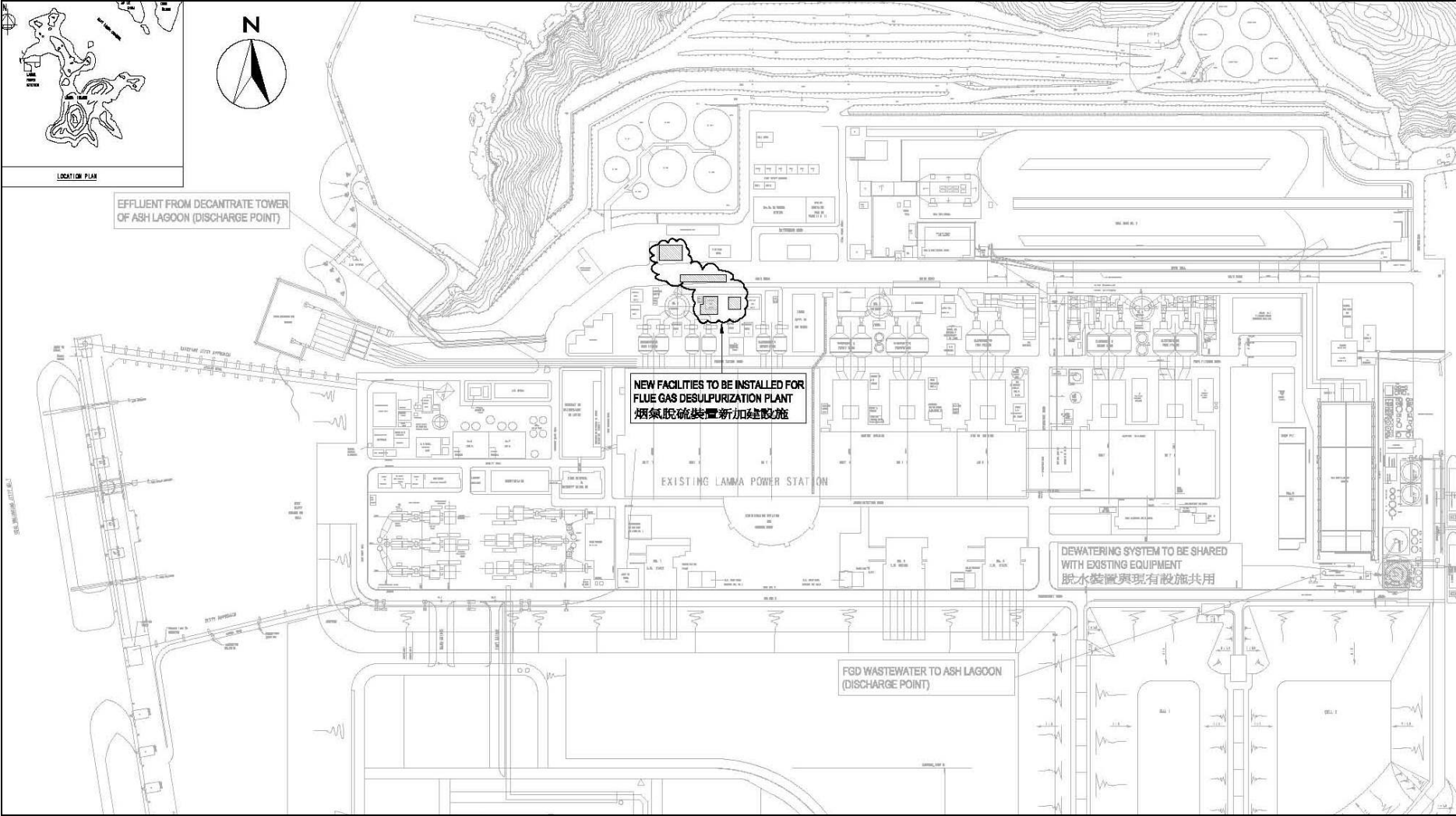


Figure 1.1b Location of New Facilities for L2 FGD Plant

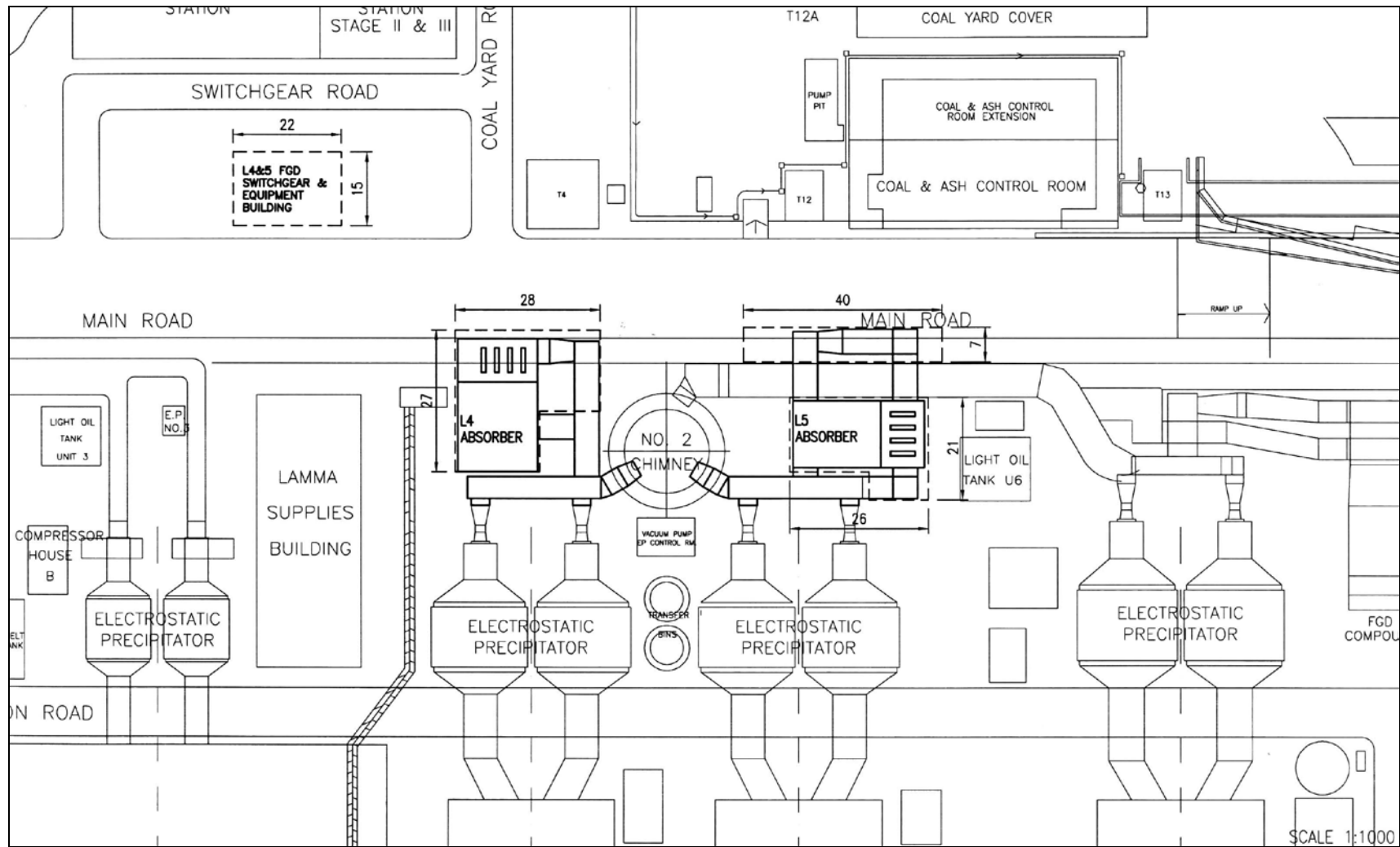


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

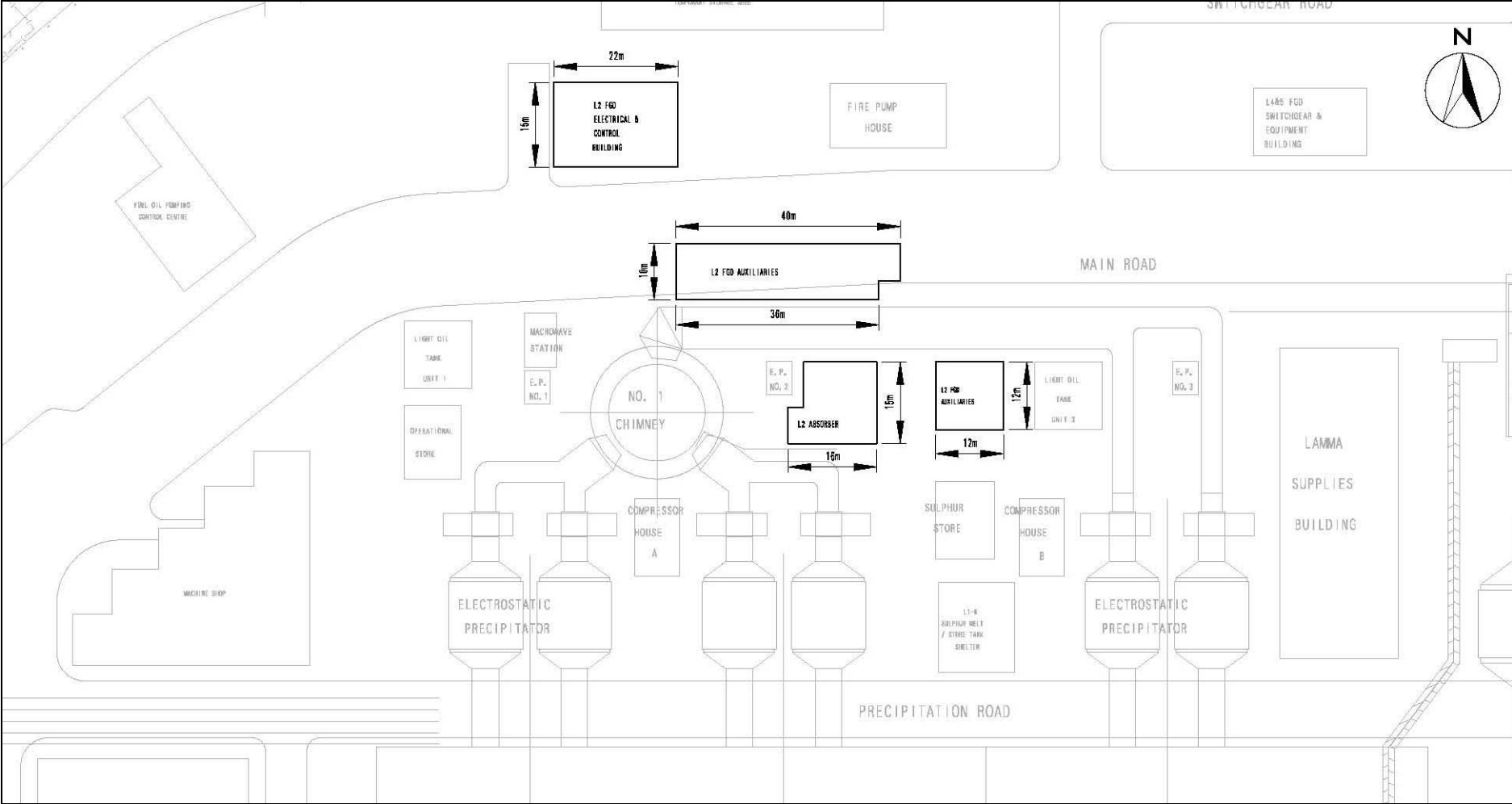


Figure 1.2b General Arrangement of L2 FGD Plant

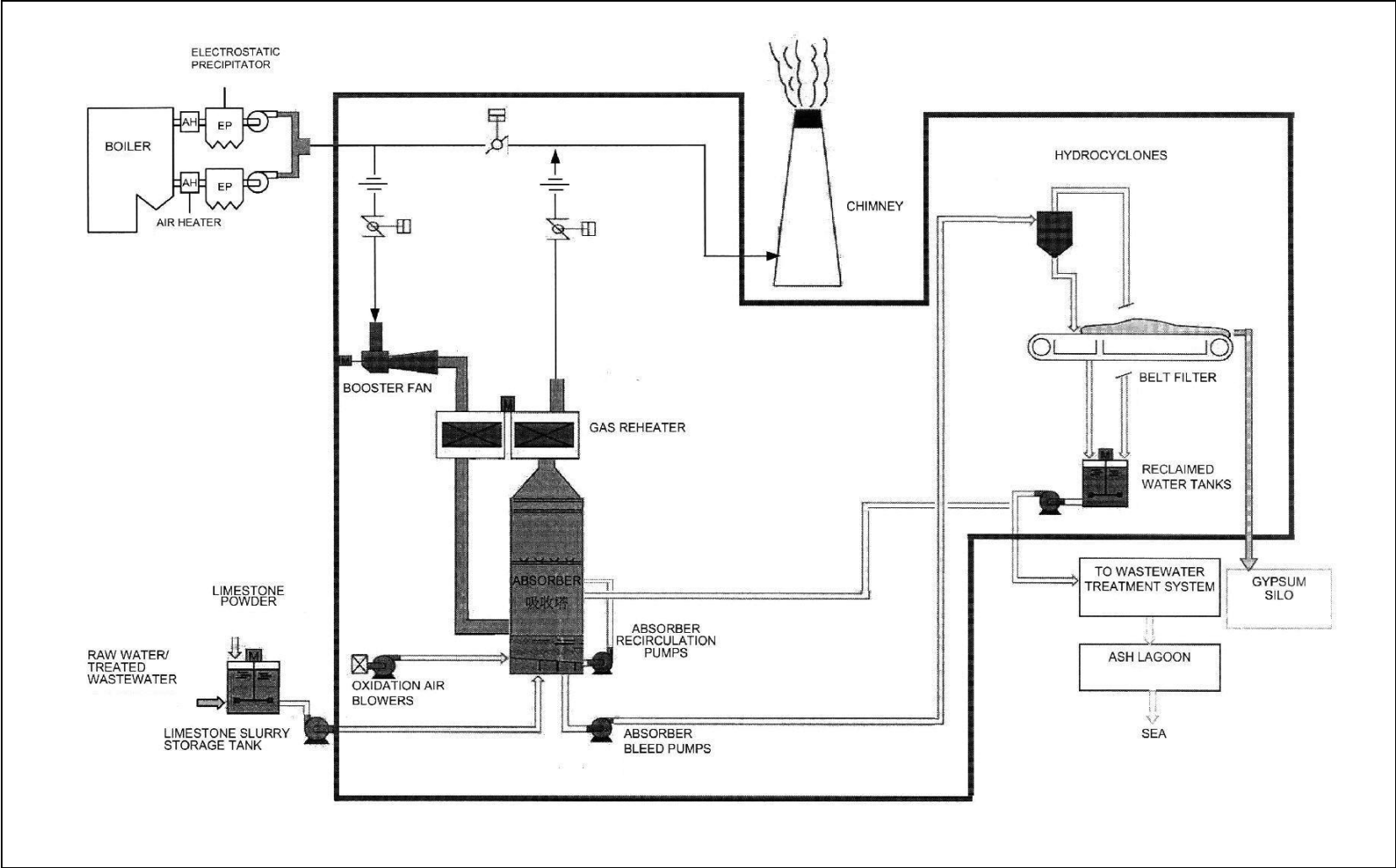


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

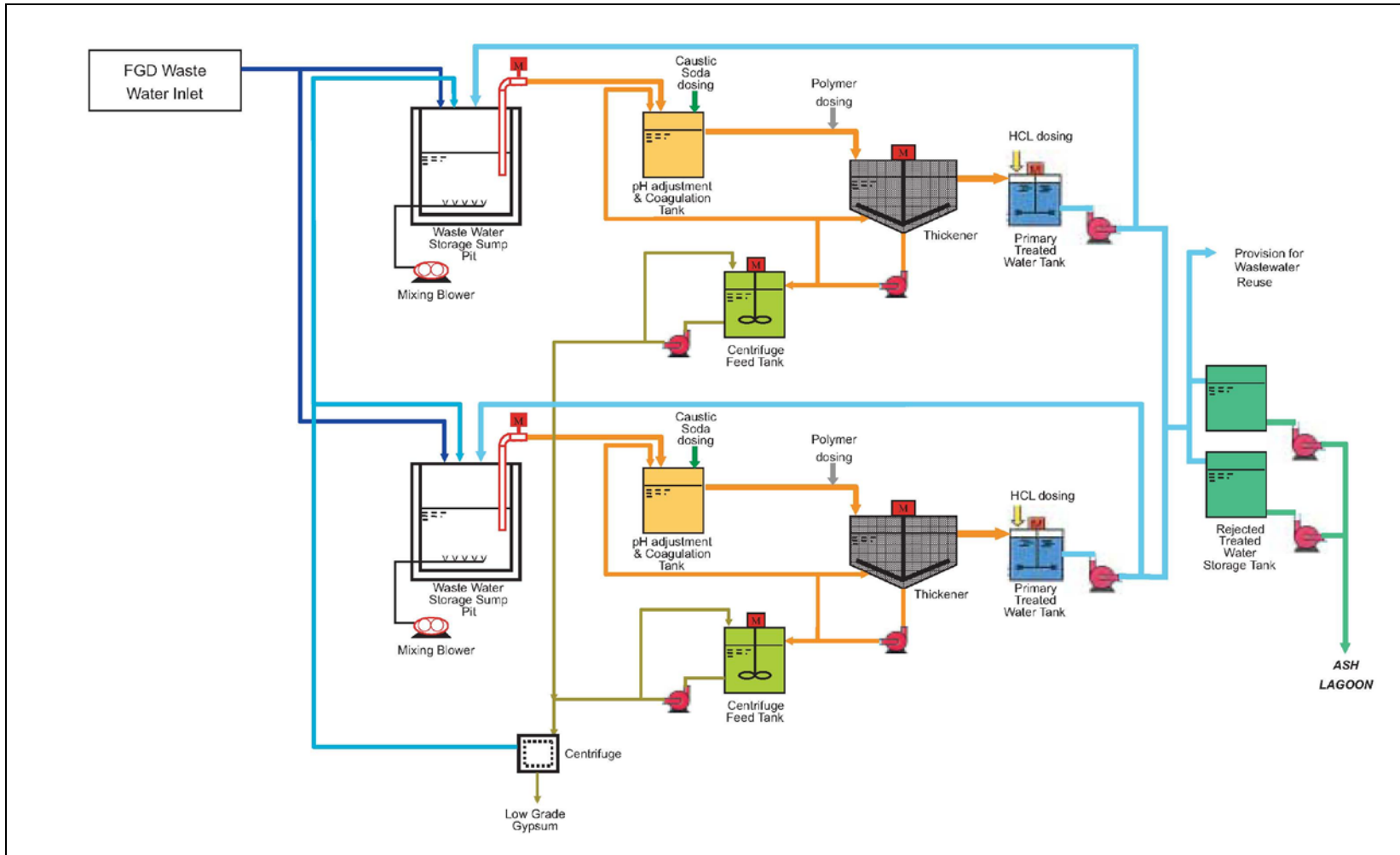


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

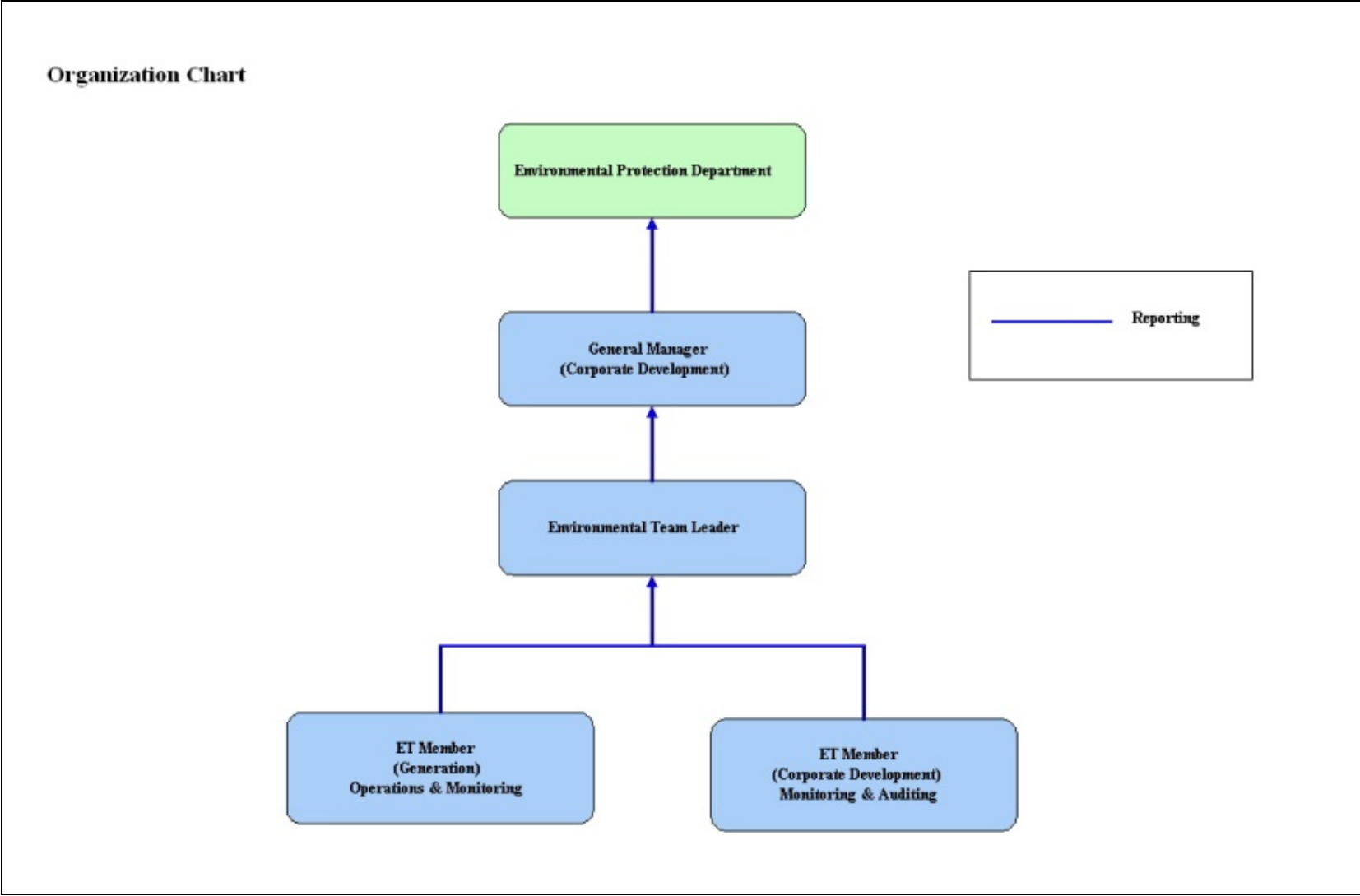


Figure 1.5 Organization Structure at Operational Phase of the Projects

## 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.	01/04/21-30/06/21	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	01/04/21-30/06/21	0	0	
3	Ambient SO2 & NOx monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and Cheung Chau.	01/04/21-30/06/21	0	0	
Water					
1	pH in WWTP Effluent	01/04/21-30/06/21	0	0	
2	Suspended Solids in WWTP Effluent	01/04/21-30/06/21	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	01/04/21-30/06/21	0	0	
4	Barium in WWTP Effluent	01/04/21-30/06/21	0	0	
5	Mercury in WWTP Effluent	01/04/21-30/06/21	0	0	
6	Cadmium in WWTP Effluent	01/04/21-30/06/21	0	0	
7	Cyanide in WWTP Effluent	01/04/21-30/06/21	0	0	
8	Total Phosphorus in WWTP Effluent	01/04/21-30/06/21	0	0	
9	Total Nitrogen in WWTP Effluent	01/04/21-30/06/21	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
April 2021	3,004.84 MT	0 MT
May 2021	4,510.20 MT	43.46 MT
June 2021	4,522.74 MT	24.87 MT

### 4.3 Status of Environmental Licensing and Permitting

All permits/licenses obtained as of June 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> LFB20210501	EPD had received a concern from the public (with a photo) about visible emission from LPS. After checking	Nothing abnormal was identified. EPD was explained

<p><i>Received:</i>                  On 27/05/2021 (pm) via EPD</p> <p><i>Concerned:</i>                  On 26/05/2021 (~13:30 hrs)</p>	<p>by HK Electric, no abnormal activities that might have caused abnormal visible emission during the concerned period were identified. EPD conducted a site inspection at LPS on 02/06/2021 and subsequently collected the relevant operational and emission monitoring data for review. It was believed that the seen phenomenon was related to water vapor in the flue gas.</p>	<p>of the findings and the case was 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 April to June 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: Second Quarter of 2021 (April – June)

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/04/2021	14	15
02/04/2021	13	16
03/04/2021	16	24
04/04/2021	18	27
05/04/2021	21	34
06/04/2021	28	47
07/04/2021	19	30
08/04/2021	17	27
09/04/2021	19	27
10/04/2021	21	37
11/04/2021	17	27
12/04/2021	13	16
13/04/2021	13	19
14/04/2021	14	25
15/04/2021	15	24
16/04/2021	19	26
17/04/2021	23	31
18/04/2021	48	107
19/04/2021	36	80
20/04/2021	22	46
21/04/2021	23	43
22/04/2021	24	49
23/04/2021	22	32
24/04/2021	14	21
25/04/2021	20	23
26/04/2021	17	28
27/04/2021	14	22
28/04/2021	34	29
29/04/2021	22	20
30/04/2021	25	24

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/05/2021	16	16
02/05/2021	19	7
03/05/2021	21	34
04/05/2021	20	19
05/05/2021	10	26
06/05/2021	23	40
07/05/2021	21	43
08/05/2021	15	31
09/05/2021	10	13
10/05/2021	9	14
11/05/2021	15	21
12/05/2021	15	15
13/05/2021	13	24
14/05/2021	13	34
15/05/2021	13	21
16/05/2021	16	28
17/05/2021	12	9
18/05/2021	15	35
19/05/2021	13	23
20/05/2021	15	21
21/05/2021	11	27
22/05/2021	10	20
23/05/2021	8	12
24/05/2021	9	19
25/05/2021	8	9
26/05/2021	10	29
27/05/2021	10	32
28/05/2021	10	29
29/05/2021	12	40
30/05/2021	15	43
31/05/2021	12	45

Date	RSP concentration ( $\mu\text{g}/\text{m}^3$ )	
	Reservoir	East Gate
01/06/2021	12	8
02/06/2021	14	32
03/06/2021	8	13
04/06/2021	13	15
05/06/2021	17	29
06/06/2021	26	47
07/06/2021	11	20
08/06/2021	11	15
09/06/2021	7	7
10/06/2021	7	15
11/06/2021	10	22
12/06/2021	10	28
13/06/2021	11	30
14/06/2021	9	24
15/06/2021	15	34
16/06/2021	14	35
17/06/2021	13	33
18/06/2021	11	34
19/06/2021	13	37
20/06/2021	16	45
21/06/2021	17	41
22/06/2021	16	30
23/06/2021	11	17
24/06/2021	10	16
25/06/2021	12	22
26/06/2021	18	38
27/06/2021	18	34
28/06/2021	13	17
29/06/2021	10	26
30/06/2021	15	53

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

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

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) #	NOx concentration (mg/Nm3) #	Opacity (%)
1/4/2021	75	299	3
2/4/2021	41	313	3
3/4/2021	65	303	4
4/4/2021	20	307	3
5/4/2021	14	358	3
6/4/2021	20	305	3
7/4/2021	13	223	3
8/4/2021	15	329	3
9/4/2021	26	388	3
10/4/2021	*	*	*
11/4/2021	17	453	3
12/4/2021	20	375	3
13/4/2021	26	339	3
14/4/2021	21	338	5
15/4/2021	16	357	4
16/4/2021	16	360	6
17/4/2021	21	357	5
18/4/2021	19	318	4
19/4/2021	19	376	5
20/4/2021	17	332	3
21/4/2021	20	370	3
22/4/2021	20	310	3
23/4/2021	25	420	5
24/4/2021	32	287	3
25/4/2021	23	355	3
26/4/2021	26	337	3
27/4/2021	88	364	3
28/4/2021	40	358	3
29/4/2021	*	*	*
30/4/2021	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/5/2021	*	*	*
2/5/2021	*	*	*
3/5/2021	43	248	7
4/5/2021	34	327	3
5/5/2021	43	295	3
6/5/2021	22	323	3
7/5/2021	26	259	3
8/5/2021	22	371	3
9/5/2021	71	288	3
10/5/2021	43	367	3
11/5/2021	40	251	4
12/5/2021	42	312	3
13/5/2021	32	291	2
14/5/2021	41	288	2
15/5/2021	25	280	3
16/5/2021	*	*	*
17/5/2021	31	279	3
18/5/2021	31	316	3
19/5/2021	16	295	4
20/5/2021	38	317	3
21/5/2021	58	330	3
22/5/2021	28	312	3
23/5/2021	17	296	5
24/5/2021	16	330	9
25/5/2021	15	358	10
26/5/2021	12	327	10
27/5/2021	19	387	13
28/5/2021	18	312	11
29/5/2021	54	291	10
30/5/2021	57	280	3
31/5/2021	43	313	3

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/6/2021	90	377	3
2/6/2021	115	381	3
3/6/2021	81	337	4
4/6/2021	65	380	3
5/6/2021	48	358	3
6/6/2021	*	*	*
7/6/2021	82	293	3
8/6/2021	44	347	3
9/6/2021	28	327	3
10/6/2021	63	341	4
11/6/2021	37	298	4
12/6/2021	*	*	*
13/6/2021	*	*	*
14/6/2021	*	*	*
15/6/2021	90	263	5
16/6/2021	104	334	4
17/6/2021	126	323	3
18/6/2021	18	255	4
19/6/2021	18	382	3
20/6/2021	51	368	4
21/6/2021	15	358	4
22/6/2021	6	342	4
23/6/2021	*	*	*
24/6/2021	6	267	3
25/6/2021	6	255	3
26/6/2021	10	232	4
27/6/2021	20	313	3
28/6/2021	27	313	3
29/6/2021	99	312	3
1/6/2021	90	377	3

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

\* - Unit L5 was not on load

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

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/4/2021	86	251	8
2/4/2021	*	*	*
3/4/2021	*	*	*
4/4/2021	*	*	*
5/4/2021	*	*	*
6/4/2021	*	*	*
7/4/2021	74	255	8
8/4/2021	55	267	8
9/4/2021	23	403	8
10/4/2021	37	431	8
11/4/2021	*	*	*
12/4/2021	25	236	10
13/4/2021	54	305	14
14/4/2021	44	291	14
15/4/2021	19	304	11
16/4/2021	22	300	8
17/4/2021	*	*	*
18/4/2021	*	*	*
19/4/2021	24	299	11
20/4/2021	17	286	12
21/4/2021	17	455	11
22/4/2021	24	304	14
23/4/2021	35	384	9
24/4/2021	71	328	8
25/4/2021	*	*	*
26/4/2021	*	*	*
27/4/2021	26	295	13
28/4/2021	*	*	*
29/4/2021	86	356	8
30/4/2021	83	301	7

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/5/2021	43	395	7
2/5/2021	23	348	8
3/5/2021	20	454	7
4/5/2021	36	324	9
5/5/2021	*	*	*
6/5/2021	39	374	8
7/5/2021	60	356	8
8/5/2021	63	317	9
9/5/2021	31	284	7
10/5/2021	25	350	8
11/5/2021	*	*	*
12/5/2021	48	304	9
13/5/2021	83	283	8
14/5/2021	106	337	8
15/5/2021	88	292	8
16/5/2021	38	275	8
17/5/2021	37	277	8
18/5/2021	20	353	10
19/5/2021	*	*	*
20/5/2021	13	241	9
21/5/2021	58	329	8
22/5/2021	54	310	8
23/5/2021	*	*	*
24/5/2021	41	274	10
25/5/2021	21	343	16
26/5/2021	15	277	19
27/5/2021	41	324	15
28/5/2021	15	320	13
29/5/2021	109	298	13
30/5/2021	112	280	8
31/5/2021	86	297	8

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) <sup>#</sup>	NOx concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/6/2021	70	297	8
2/6/2021	102	348	8
3/6/2021	130	351	7
4/6/2021	83	301	7
5/6/2021	*	*	*
6/6/2021	*	*	*
7/6/2021	63	347	12
8/6/2021	129	322	8
9/6/2021	91	317	10
10/6/2021	112	350	8
11/6/2021	79	372	8
12/6/2021	93	358	9
13/6/2021	15	270	8
14/6/2021	70	358	8
15/6/2021	99	313	9
16/6/2021	113	343	8
17/6/2021	106	306	8
18/6/2021	13	257	9
19/6/2021	14	334	9
20/6/2021	*	*	*
21/6/2021	22	301	9
22/6/2021	8	350	8
23/6/2021	10	324	10
24/6/2021	7	244	8
25/6/2021	*	*	*
26/6/2021	12	254	9
27/6/2021	19	333	7
28/6/2021	15	292	8
29/6/2021	113	339	8
30/6/2021	71	372	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 (%)
1/4/2021	*	*
2/4/2021	*	*
3/4/2021	*	*
4/4/2021	*	*
5/4/2021	*	*
6/4/2021	*	*
7/4/2021	*	*
8/4/2021	*	*
9/4/2021	*	*
10/4/2021	*	*
11/4/2021	*	*
12/4/2021	*	*
13/4/2021	*	*
14/4/2021	*	*
15/4/2021	*	*
16/4/2021	*	*
17/4/2021	*	*
18/4/2021	*	*
19/4/2021	*	*
20/4/2021	*	*
21/4/2021	*	*
22/4/2021	*	*
23/4/2021	*	*
24/4/2021	*	*
25/4/2021	*	*
26/4/2021	*	*
27/4/2021	*	*
28/4/2021	*	*
29/4/2021	*	*
30/4/2021	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/5/2021	*	*
2/5/2021	*	*
3/5/2021	*	*
4/5/2021	*	*
5/5/2021	*	*
6/5/2021	*	*
7/5/2021	*	*
8/5/2021	*	*
9/5/2021	*	*
10/5/2021	*	*
11/5/2021	*	*
12/5/2021	*	*
13/5/2021	*	*
14/5/2021	*	*
15/5/2021	*	*
16/5/2021	*	*
17/5/2021	*	*
18/5/2021	*	*
19/5/2021	*	*
20/5/2021	*	*
21/5/2021	*	*
22/5/2021	*	*
23/5/2021	*	*
24/5/2021	*	*
25/5/2021	*	*
26/5/2021	*	*
27/5/2021	*	*
28/5/2021	*	*
29/5/2021	119	18
30/5/2021	*	*
31/5/2021	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) <sup>#</sup>	Opacity (%)
1/6/2021	*	*
2/6/2021	*	*
3/6/2021	*	*
4/6/2021	*	*
5/6/2021	*	*
6/6/2021	*	*
7/6/2021	*	*
8/6/2021	*	*
9/6/2021	*	*
10/6/2021	*	*
11/6/2021	*	*
12/6/2021	*	*
13/6/2021	*	*
14/6/2021	*	*
15/6/2021	*	*
16/6/2021	48	17
17/6/2021	*	*
18/6/2021	*	*
19/6/2021	*	*
20/6/2021	*	*
21/6/2021	*	*
22/6/2021	*	*
23/6/2021	*	*
24/6/2021	*	*
25/6/2021	*	*
26/6/2021	*	*
27/6/2021	*	*
28/6/2021	*	*
29/6/2021	116	18
30/6/2021	86	19

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**

Unit	Date	Results (mg/Nm <sup>3</sup> )
L4	13/04/2021	5
L5	23/04/2021	4

Monitoring Equipment: APEX model XC-522-V (Manual stack sampling system)

### **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

STATION : VICTORIA PEAK  
POLLUTANT : SULPHUR DIOXIDE

MONTH: APRIL

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	2	1	2	2	1	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	1	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	3	3	3	4	9	4	3	2	2	2	2	2	2	2	2	3
4	2	3	3	3	3	3	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	26	2	3
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	2
6	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	1	2	1	1	1	2	1	1	2	2	2	2	2	1	2	2	2	1	1
8	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1
9	1	2	2	2	2	2	1	2	2	2	2	2	1	2	1	1	1	2	2	1	1	2	1	2	2
10	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	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	2	2	2	2	2	3	4	5	5	4	3	3	4	3	2	2	3
14	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
15	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
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
19	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1	2
20	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	3	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	M	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	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	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	1	1	0	0	1	1	1	0	0	0	2	0	2	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		
2	2	1	2	2	2	3	4	0	-	26	0	-	3	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: APRIL

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	13	10	7	4	4	2	4	6	7	9	6	6	7	5	4	5	6	5	6	10	32	23	5	3	8
2	3	4	1	1	1	2	4	4	6	8	9	9	9	9	7	19	15	14	15	15	20	18	11	3	9
3	12	25	1	0	1	1	9	3	26	28	28	21	27	35	19	12	7	12	10	12	9	6	5	3	13
4	6	23	18	15	14	20	35	38	31	21	8	10	12	8	8	5	9	15	15	23	18	8	7	8	16
5	6	5	5	5	5	5	6	9	7	7	8	8	7	7	8	9	8	8	12	12	17	14	14	9	8
6	8	9	9	7	7	7	8	15	13	20	11	10	10	11	15	18	15	15	12	11	8	7	9	8	11
7	6	5	5	4	4	4	5	7	10	16	23	23	14	13	15	12	12	13	8	5	5	5	7	10	
8	7	3	2	3	5	5	8	11	19	20	23	23	18	14	18	20	28	26	21	24	16	15	11	15	15
9	12	7	6	7	7	5	5	7	12	17	15	12	12	16	17	14	16	16	15	11	9	9	12	7	11
10	8	7	7	6	6	7	9	9	12	15	14	13	12	14	18	13	18	25	18	9	8	6	7	5	11
11	4	5	5	4	4	5	4	5	5	5	8	9	11	10	14	16	18	9	5	6	7	11	5	3	7
12	4	2	2	2	1	3	7	13	26	28	20	11	8	7	12	10	11	14	11	10	3	2	3	7	9
13	2	1	13	21	10	10	10	13	18	15	10	21	15	18	18	19	26	22	36	30	44	11	4	5	16
14	2	M	1	20	14	2	5	7	14	12	15	16	10	13	15	12	10	11	8	6	3	4	5	5	9
15	3	3	3	3	3	3	4	7	6	8	8	16	9	15	17	16	17	14	12	11	7	5	6	6	8
16	5	4	4	4	6	7	7	6	10	17	24	15	10	16	19	18	18	23	26	16	8	14	11	12	13
17	10	11	11	7	5	5	7	10	20	31	24	27	15	18	22	40	43	37	12	11	10	14	15	9	17
18	7	8	5	6	5	5	7	8	6	5	6	6	6	8	9	11	10	9	9	7	7	5	6	7	7
19	5	6	5	6	5	6	7	8	11	12	14	12	8	11	13	13	14	12	9	10	9	7	6	5	9
20	5	4	7	8	5	5	7	8	10	12	10	11	9	17	22	16	17	14	11	7	8	10	6	5	10
21	4	6	9	5	5	4	7	12	17	13	10	9	7	8	10	9	11	13	10	8	9	8	5	8	9
22	8	5	5	4	6	5	5	11	19	25	M	8	5	14	10	19	19	52	32	10	4	3	1	1	12
23	0	0	0	0	0	9	15	9	18	21	14	25	19	40	73	54	6	22	25	16	2	2	18	39	18
24	3	0	0	0	0	0	0	0	1	2	2	3	0	4	4	2	1	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	1	6	5	2	1	1	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	2	5	4	4	1	1	0	1	3	7	1	0	0	0	0	0	1
27	1	0	0	0	0	0	0	2	2	0	1	0	4	0	1	0	0	0	0	0	0	0	0	0	0
28	0	M	0	0	0	0	0	0	2	1	0	0	0	0	2	5	2	15	15	30	54	52	35	47	11
29	46	34	21	7	1	2	5	15	26	31	27	26	30	28	22	41	48	52	44	28	47	52	47	14	29
30	8	4	2	1	0	0	2	1	17	41	66	47	21	14	17	24	16	28	24	14	51	34	101	49	24

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	11	8	23	31	47	52	0	-	101	0	-	29	2	100	0

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: APRIL

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
4	4	4	4	5	6	8	9	3	-	18	3	-	7	1	100	0

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

MONTH: APRIL

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	18	29	15	19	18	23	22	19	13	8	6	9	6	10	26	31	25	32	17	17	14	7	17	15	17	
2	8	6	11	18	10	5	7	10	8	6	6	5	5	11	9	16	23	24	13	20	13	12	9	5	11	
3	34	53	7	14	14	4	4	5	12	17	18	19	24	26	12	23	31	37	32	27	29	37	41	29	23	
4	20	13	13	24	48	44	38	32	16	12	7	4	6	4	6	8	7	7	9	9	7	6	5	6	15	
5	5	6	7	6	7	7	9	10	11	8	8	9	8	7	6	7	8	8	8	9	7	9	9	7	8	
6	8	8	7	7	7	7	8	8	11	12	12	12	10	10	8	8	11	11	10	10	9	9	8	6	9	
7	5	5	4	4	5	5	6	7	8	10	9	6	5	5	5	5	5	6	7	6	4	6	6	11	6	
8	5	3	3	4	8	6	6	8	6	6	4	5	3	3	5	5	9	5	9	10	6	8	7	6	6	
9	6	6	6	6	5	5	6	6	6	6	6	5	5	5	7	8	8	8	8	8	8	7	7	7	6	
10	8	7	8	6	7	7	9	10	8	9	7	9	8	8	6	7	7	8	8	7	8	8	6	5	8	
11	5	6	6	6	5	6	5	6	6	4	4	4	4	4	5	7	10	8	13	12	12	8	7	3	7	
12	2	3	2	2	2	4	8	9	7	6	4	4	4	4	5	3	4	6	5	14	14	11	7	11	8	6
13	7	5	3	4	3	4	5	10	8	8	4	4	8	10	4	15	19	21	19	52	51	23	12	20	13	
14	22	M	8	7	3	3	6	12	13	10	7	7	5	6	6	6	5	6	5	6	6	7	5	4	7	
15	4	4	4	3	4	4	5	6	5	6	5	4	4	6	4	5	5	4	3	5	5	3	5	5	5	
16	5	4	4	5	6	8	6	6	7	7	7	8	M	8	5	6	7	8	12	8	5	5	7	5	6	
17	8	8	6	7	6	6	6	8	8	10	12	12	11	9	8	11	11	11	8	8	7	8	8	6	8	
18	7	7	5	5	5	6	6	7	6	7	7	7	7	8	9	10	10	12	11	8	9	9	7	7	8	
19	7	7	6	6	6	6	7	8	9	8	7	6	7	8	6	6	7	7	8	11	11	7	7	6	7	
20	5	4	7	7	5	4	5	7	6	5	6	4	4	5	4	4	6	8	6	5	7	10	4	5	6	
21	7	8	7	4	5	4	5	4	4	4	5	5	5	6	6	6	6	8	12	5	2	4	4	7	6	
22	8	4	3	3	4	4	4	6	5	4	4	5	3	3	6	8	14	26	22	31	23	14	24	22	10	
23	24	19	15	9	8	17	45	63	31	32	34	26	21	21	16	17	22	23	31	34	29	81	70	20	30	
24	10	5	7	3	4	4	7	8	7	6	5	4	5	6	4	4	5	6	9	6	5	4	4	3	5	
25	3	5	7	6	4	3	5	5	7	6	4	5	4	5	4	8	6	4	4	5	6	4	3	2	5	
26	2	2	2	3	3	3	4	6	5	4	5	5	4	5	4	5	3	5	3	3	2	4	3	4	4	
27	2	2	2	2	1	1	2	4	5	4	4	4	4	3	3	5	3	7	8	5	6	6	8	4	4	
28	6	M	6	4	3	5	6	7	9	10	9	6	5	4	4	7	6	7	8	11	35	12	41	49	11	
29	44	43	33	27	16	9	10	16	25	36	38	40	59	59	50	31	28	32	47	67	47	27	11	8	33	
30	8	5	4	5	4	13	16	12	12	12	8	7	5	7	20	19	22	15	10	12	14	15	10	14	11	

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	7	10	7	22	31	45	52	1	-	81	4	-	33	2	100	0

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

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

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: APRIL

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
2	2	2	2	3	4	5	6	0	-	11	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

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

MONTH: APRIL

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	17	15	13	9	8	7	13	13	12	10	9	8	10	7	6	6	8	10	8	15	29	24	14	9	12
2	7	9	5	4	4	4	6	7	8	11	7	5	15	14	12	23	17	14	15	24	19	30	33	29	13
3	21	8	4	2	2	2	6	12	21	22	19	16	16	23	15	14	13	12	14	14	11	12	8	6	12
4	5	5	7	17	20	21	22	21	20	15	9	7	7	6	7	7	7	9	12	17	12	10	6	7	12
5	7	5	5	5	5	5	6	7	8	7	7	7	7	6	7	7	7	8	9	9	9	11	10	8	7
6	7	6	6	6	6	6	8	10	10	16	10	14	13	11	12	11	13	15	13	10	10	10	10	7	10
7	6	4	4	4	4	4	5	6	7	10	11	13	10	9	10	9	11	11	12	11	8	7	6	6	8
8	5	3	2	2	3	5	8	10	13	20	19	13	12	9	11	13	19	19	19	20	15	13	11	9	11
9	8	5	5	5	5	5	7	7	7	7	8	7	7	8	9	9	10	13	11	9	8	7	10	7	8
10	6	5	5	5	5	6	7	8	8	10	9	10	10	8	10	10	11	14	17	10	9	7	7	6	8
11	4	4	4	4	4	4	5	5	5	5	5	5	7	9	10	18	14	27	10	14	12	8	6	5	8
12	4	3	2	4	8	24	19	28	30	31	20	8	9	7	9	9	9	10	14	25	22	24	16	14	15
13	14	15	11	4	5	6	14	24	21	12	17	14	12	15	14	17	30	26	37	25	28	36	25	23	19
14	13	M	8	5	8	4	10	12	9	8	7	9	9	9	9	8	7	8	9	7	6	6	6	5	8
15	4	3	3	3	3	3	5	6	6	6	6	8	8	9	8	9	9	10	9	8	7	5	5	5	6
16	4	4	3	3	4	5	6	6	7	8	9	9	8	10	10	10	10	11	20	18	18	17	17	9	9
17	9	8	10	5	4	5	6	10	11	11	14	12	11	10	11	16	26	26	12	8	8	8	9	9	11
18	6	5	4	5	5	5	6	6	5	5	6	6	6	7	7	8	8	8	8	6	6	6	6	6	6
19	5	5	4	4	4	4	6	7	8	8	8	8	8	8	9	9	9	8	9	8	9	6	6	5	7
20	4	4	4	6	4	4	7	9	8	7	7	8	7	10	12	11	12	11	10	9	8	8	6	5	8
21	4	4	5	4	4	4	7	12	14	10	9	9	9	8	7	9	8	10	16	9	12	11	13	19	9
22	11	8	5	4	4	5	7	11	22	15	7	9	16	19	19	15	14	22	18	16	15	12	13	12	12
23	7	5	4	4	12	14	26	34	30	26	25	24	25	23	34	M	25	18	22	25	16	23	27	26	21
24	8	1	0	0	0	0	0	2	2	2	3	2	2	1	3	2	2	1	1	1	2	0	0	0	1
25	0	0	0	0	0	0	0	0	1	3	2	7	6	3	3	2	2	1	0	1	1	0	0	0	1
26	0	0	0	0	0	0	0	1	1	0	2	1	2	1	0	1	1	3	2	0	0	0	1	0	1
27	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0
28	0	M	0	0	0	0	1	3	3	3	4	3	3	1	0	2	1	8	12	18	28	30	25	28	8
29	25	21	14	10	3	1	6	17	22	22	23	27	31	26	28	37	37	31	40	43	33	32	30	19	24
30	12	8	7	13	17	8	19	15	33	54	45	34	13	15	27	26	19	20	17	11	13	19	24	18	20

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
8	8	10	8	22	26	32	36	0	-	54	0	-	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

STATION : POK FU LAM  
POLLUTANT : SULPHUR DIOXIDE

MONTH: APRIL

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

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	7	8	7	10	11	14	16	3	-	24	6	-	12	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: APRIL

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
15	14	20	14	41	57	66	71	2	-	85	7	-	50	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: APRIL

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	5	4	3	2	2	3	3	2	3	3	3	2	3	2	2	3	3	2	3	7	5	3	4	3	3
2	3	2	1	4	2	1	1	1	2	2	2	3	4	3	3	5	5	4	4	4	6	8	4	11	4
3	7	4	3	2	2	1	1	2	3	4	2	5	5	6	3	3	4	4	4	4	4	4	4	3	4
4	2	3	3	5	6	7	5	5	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
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	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2
7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
8	1	1	1	M	M	M	M	M	M	M	M	1	2	1	2	2	1	2	2	2	3	3	2		
9	2	2	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	2	2	2	1	3	3	3	3	2	2	2	2	2	3	3	2	1	1	1	1	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	M	M	M	M	1
13	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	9	5	5	7	5	4	2	2	
14	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
15	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
16	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
18	2	2	1	1	2	2	2	2	3	3	3	2	2	1	1	1	2	2	2	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	2	1	2	2	2	1	2	2	2	2	2	1	1	1	1	1	1
20	1	1	2	1	1	1	1	2	1	2	2	2	2	2	M	0	0	0	0	0	0	0	0	0	1
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	1	3	2	1	2	0	0	0	0	1	0	0
23	0	0	0	0	0	0	3	7	6	6	M	8	3	3	5	3	2	2	0	1	0	4	6	1	3
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	M	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	2	1
29	2	2	2	1	1	1	1	1	2	3	3	5	7	6	6	5	5	3	4	6	7	4	2	2	3
30	2	1	1	2	2	2	2	2	8	8	11	2	3	3	5	5	4	3	2	3	1	3	3	3	3

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
2	1	2	1	3	5	6	7	0	-	11	0	-	4	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  
MONTH: APRIL

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	23	24	17	13	17	17	19	11	9	9	12	7	12	13	11	13	11	14	24	48	41	12	19	21	17
2	13	12	4	18	13	6	8	5	7	5	9	16	17	11	18	28	34	38	43	44	47	62	40	57	23
3	46	34	32	22	14	12	18	21	24	17	9	17	19	24	15	17	28	33	30	37	35	42	30	22	25
4	11	16	24	43	39	41	37	36	30	20	12	9	10	11	7	5	7	10	13	22	13	8	7	8	18
5	6	4	4	4	5	5	6	7	9	8	8	8	8	7	7	6	6	8	11	12	13	10	8	9	7
6	9	8	7	6	7	8	10	15	14	14	11	11	10	9	8	7	10	13	11	10	7	6	8	6	9
7	5	2	3	2	3	4	5	5	9	17	18	16	13	9	9	9	7	10	11	7	4	4	4	7	8
8	4	3	2	M	M	M	M	M	M	M	M	13	14	13	9	17	29	20	17	18	15	13	9	8	
9	6	6	5	6	6	5	6	6	11	18	8	8	7	9	8	9	9	10	12	9	7	5	5	7	8
10	6	5	6	5	5	7	9	8	9	9	8	9	10	10	9	7	8	9	12	11	8	8	5	5	8
11	4	4	4	4	4	6	5	7	6	6	6	7	8	7	8	10	13	10	12	11	6	7	5	6	7
12	4	4	5	4	5	10	18	19	13	13	7	3	2	2	2	4	3	3	5	8	M	M	M	M	7
13	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	39	37	49	67	58	34	13	15	
14	21	M	8	4	7	5	9	4	7	6	6	5	5	5	5	3	3	5	6	4	3	4	4	4	6
15	3	2	2	2	2	3	4	4	5	7	8	7	6	12	8	9	11	7	5	4	5	3	3	5	5
16	3	3	4	3	5	8	7	6	10	10	11	10	6	8	8	8	11	15	21	19	21	26	8	8	10
17	6	11	10	8	6	5	5	7	11	11	15	17	13	12	19	29	22	19	9	7	8	13	12	9	12
18	7	6	5	5	5	6	6	6	7	7	9	8	8	8	9	9	9	11	9	7	6	7	7	7	7
19	5	6	5	5	5	6	7	7	9	10	9	8	9	9	8	7	8	7	7	8	10	6	5	4	7
20	4	3	6	6	4	4	4	5	6	8	8	6	7	8	9	M	2	0	0	0	0	1	0	0	4
21	0	0	1	0	0	0	3	3	5	0	0	0	0	0	0	0	0	1	2	0	3	9	7	9	2
22	4	1	0	0	0	2	4	6	0	0	1	1	7	6	22	22	23	33	17	21	12	13	22	26	10
23	10	5	7	5	11	22	52	49	32	27	M	30	18	13	19	23	18	28	34	35	4	39	55	30	25
24	1	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	M	3	1	0	7	1	0	3	2	1	0	1	2	1	1
28	1	M	0	0	0	1	5	3	5	1	1	0	0	0	0	0	0	2	2	39	58	54	46	51	12
29	47	41	28	18	4	4	11	21	35	41	44	46	58	47	44	41	40	27	35	44	46	33	17	17	33
30	13	9	8	26	24	13	29	37	52	50	42	5	10	9	24	29	12	22	6	16	6	13	22	11	20

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
9	7	11	7	28	41	48	54	0	-	67	0	-	33	2	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

STATION : CHEUNG CHAU  
POLLUTANT : SULPHUR DIOXIDE

MONTH: APRIL

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

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	5	5	5	7	9	10	12	0	-	16	2	-	9	2	100	0

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

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

STATION : CHEUNG CHAU  
POLLUTANT : NITROGEN DIOXIDE

MONTH: APRIL

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	45	11	7	7	17	19	26	28	24	18	2	0	2	1	2	1	1	8	13	23	36	36	23	19	15
2	27	30	36	22	24	23	22	20	19	15	12	30	20	20	16	3	2	8	9	10	28	56	52	22	22
3	36	34	26	20	26	55	41	51	44	42	35	15	29	19	16	20	42	32	45	44	23	23	14	8	31
4	12	37	60	28	13	28	31	33	38	35	54	12	8	11	5	2	4	8	9	33	23	14	7	11	22
5	8	4	7	16	9	7	4	7	6	9	14	6	11	11	18	20	22	14	22	16	16	33	12	22	13
6	15	9	7	8	8	6	8	15	8	9	9	6	6	5	5	7	9	22	10	13	10	7	6	6	9
7	6	8	4	4	3	2	7	9	14	20	21	18	13	11	3	5	6	3	5	3	2	1	3	3	7
8	9	3	1	4	4	9	11	12	8	4	2	3	3	0	2	2	2	6	4	13	22	15	19	10	7
9	6	10	12	9	16	9	12	9	9	14	21	28	15	10	14	19	22	12	13	16	15	19	13	19	14
10	13	13	10	10	8	12	15	20	23	25	22	7	4	4	5	2	3	6	8	5	6	10	21	10	11
11	5	6	7	7	14	16	14	15	11	7	10	20	8	3	2	4	4	10	17	20	15	12	6	9	10
12	13	6	4	15	16	48	65	60	44	20	47	8	2	2	4	9	8	22	25	34	31	13	27	37	23
13	28	16	5	5	6	27	45	58	40	36	8	0	5	17	27	22	9	8	18	6	16	24	29	17	20
14	12	M	18	21	19	4	4	3	5	8	2	2	0	0	0	1	0	3	7	4	2	1	2	7	5
15	4	1	1	2	0	11	11	9	7	6	13	18	4	8	8	4	10	9	5	6	6	3	11	11	7
16	10	3	3	5	5	7	6	2	5	7	12	12	13	10	4	2	4	8	49	25	12	7	8	8	9
17	5	6	11	14	10	6	8	40	54	76	14	14	13	14	21	22	57	34	11	13	12	21	16	9	21
18	8	8	6	7	17	12	25	27	9	10	11	5	4	5	9	25	13	9	8	6	9	6	7	9	11
19	6	12	11	10	20	22	20	19	11	9	12	18	14	12	4	1	3	8	8	8	13	4	4	4	11
20	1	2	3	10	12	11	11	6	2	11	5	14	2	1	2	1	1	1	3	3	4	7	8	4	5
21	2	5	10	12	7	10	5	10	25	6	1	1	4	2	1	3	6	13	11	10	7	13	3	37	9
22	32	16	9	8	10	9	7	8	16	16	2	1	2	2	5	7	4	7	6	14	16	12	9	10	10
23	3	8	11	16	20	43	69	32	33	32	24	17	13	17	9	3	7	23	13	19	27	30	21	25	21
24	55	28	13	6	13	30	6	6	7	3	2	1	3	1	0	0	0	2	1	1	2	1	0	3	8
25	2	2	5	6	9	3	4	3	5	4	3	1	2	1	1	0	2	2	2	2	3	7	16	5	4
26	6	9	8	1	8	11	11	17	18	25	30	27	7	5	12	12	23	21	8	1	4	5	24	8	13
27	10	7	6	6	4	7	6	5	6	11	4	14	5	5	9	6	5	0	6	8	4	3	6	12	6
28	11	M	6	12	5	3	9	9	3	7	5	6	1	0	0	6	1	3	18	60	72	72	69	60	19
29	65	52	30	19	26	21	22	32	30	41	43	42	43	39	27	30	31	38	79	119	95	56	30	26	43
30	20	12	25	39	23	34	69	73	72	57	40	19	11	M	M	9	8	8	10	7	7	8	10	22	27

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	14	9	32	44	60	72	0	-	119	4	-	43	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: MAY

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

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	3	4	3	10	15	17	17	0	-	19	0	-	17	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: MAY

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	17	5	0	0	0	0	0	0	0	7	36	15	7	19	9	12	29	35	80	129	58	17	3	0	20
2	0	0	0	0	0	0	0	1	9	14	22	25	28	31	16	7	2	2	0	0	0	0	0	0	7
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	1	1	0	0	1	1	7	26	24	11	15	2	7	0	0	0	4
5	1	0	10	3	0	6	9	7	12	9	13	5	17	7	23	M	M	37	53	58	62	63	6	4	18
6	3	4	3	3	4	4	6	7	10	9	11	11	13	19	23	27	28	32	39	35	22	10	5	2	14
7	13	16	9	3	2	4	3	7	23	25	33	29	18	23	23	37	49	57	32	29	30	38	22	61	24
8	34	5	4	2	2	3	16	8	10	25	16	7	7	9	5	7	8	9	19	17	12	9	16	27	12
9	15	5	9	6	5	2	4	9	6	7	6	4	13	15	9	11	14	9	14	10	14	10	11	27	10
10	22	27	11	6	4	4	6	12	15	8	5	8	8	15	16	21	19	11	13	18	11	8	5	9	12
11	10	8	4	4	7	6	6	9	8	6	6	7	9	7	15	6	9	9	15	9	11	12	17	6	9
12	12	9	7	8	13	18	19	13	16	19	9	8	8	8	9	8	6	8	7	5	14	10	12	8	11
13	3	7	9	5	6	5	6	10	10	8	7	6	8	7	9	8	9	10	10	15	9	9	8	15	8
14	10	4	5	8	6	4	12	13	15	15	12	M	9	6	7	7	9	9	11	6	8	7	8	8	9
15	6	10	9	4	9	6	7	9	8	8	5	6	8	10	8	9	4	21	10	11	11	11	9	10	9
16	7	4	7	11	11	16	24	15	5	5	4	7	17	13	9	8	6	6	11	11	8	10	15	21	10
17	19	21	17	25	21	21	25	14	12	11	8	21	13	8	10	7	6	11	10	5	6	17	10	14	14
18	15	15	21	19	19	20	17	8	5	4	4	4	5	4	7	5	9	16	7	13	8	5	11	8	10
19	17	12	7	6	9	16	9	7	4	8	10	9	7	5	6	6	7	10	15	16	10	11	11	14	10
20	12	5	7	4	4	4	7	9	9	12	9	5	10	12	4	3	4	7	7	9	7	18	16	9	8
21	6	12	2	2	5	7	13	6	9	5	11	9	12	8	13	6	6	6	6	7	7	12	18	16	9
22	11	6	4	3	6	4	6	9	12	10	13	10	7	6	11	7	6	7	14	14	9	14	16	7	9
23	6	6	4	3	3	4	7	7	7	11	7	6	4	2	5	10	7	6	12	16	17	6	9	13	7
24	9	11	8	7	7	13	8	7	13	15	10	12	8	4	14	14	8	12	11	19	22	29	18	22	13
25	19	13	8	17	16	17	9	7	16	10	19	25	28	24	13	15	11	8	8	8	11	8	9	6	14
26	9	14	14	4	5	6	8	5	7	6	5	8	9	6	6	6	7	8	9	10	10	9	6	7	8
27	7	4	5	11	9	9	9	7	7	7	9	14	6	3	3	3	9	4	6	11	8	8	8	9	7
28	7	2	3	4	6	9	8	4	3	5	7	6	6	3	6	5	4	6	4	5	7	5	12	5	6
29	4	6	8	7	6	6	4	4	4	5	6	4	3	4	6	4	4	9	7	12	9	5	9	7	6
30	11	8	5	7	9	6	8	7	6	3	3	2	3	4	4	4	5	6	8	15	4	5	6	8	6
31	3	2	3	5	4	5	5	8	M	8	9	5	5	10	12	20	9	8	10	5	9	12	22	9	8

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
9	8	10	8	19	25	35	55	0	-	129	0	-	24	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: MAY

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
3	4	3	4	4	5	6	6	1	-	8	2	-	5	1	100	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

MONTH: MAY

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	12	12	14	11	9	12	8	9	9	39	22	19	17	16	19	25	27	35	53	28	50	18	25	33	22
2	23	17	36	16	7	7	8	15	15	15	23	24	16	19	9	14	15	12	10	11	6	5	4	6	14
3	6	5	3	4	4	3	6	8	6	5	5	5	5	6	3	3	3	5	4	6	8	8	8	7	5
4	4	4	5	4	6	6	8	8	10	6	3	1	1	3	0	13	5	16	11	15	25	7	29	22	9
5	30	20	11	25	15	15	19	22	18	20	26	37	21	13	13	12	18	16	21	30	26	11	6	3	19
6	4	4	4	4	4	4	5	9	7	5	6	3	4	5	5	4	5	6	8	5	4	4	8	5	5
7	4	2	3	3	3	2	3	12	26	12	5	3	3	8	19	25	8	31	31	37	37	17	11	11	13
8	19	15	18	11	13	11	17	16	13	18	9	11	13	8	10	14	12	14	16	12	14	18	22	21	14
9	22	9	12	8	12	15	12	15	8	12	12	10	13	8	15	9	16	11	23	14	22	16	17	9	13
10	13	16	10	10	8	2	7	6	9	6	7	13	4	3	3	5	3	4	8	15	18	21	5	5	8
11	13	9	3	11	9	5	16	7	5	1	1	3	3	1	2	8	11	9	8	9	12	10	13	12	8
12	8	M	4	4	4	8	8	3	4	7	5	6	2	2	4	4	5	7	15	11	12	13	13	9	7
13	2	5	9	5	17	9	6	9	3	6	4	5	1	3	3	6	13	11	26	13	9	8	8	3	8
14	4	3	7	18	9	6	8	9	6	4	5	4	1	3	3	3	5	3	6	7	6	7	10	8	6
15	6	7	12	5	6	7	10	8	5	4	3	3	4	6	13	9	8	14	8	10	7	6	11	4	7
16	8	2	9	7	4	6	3	7	10	4	4	6	8	11	11	16	19	12	22	34	20	7	5	8	10
17	8	9	3	9	8	7	19	13	4	7	3	7	4	3	10	M	20	24	18	17	17	10	14	19	11
18	11	10	13	6	6	11	7	8	4	7	6	6	15	12	6	9	10	14	10	12	19	30	12	12	11
19	13	7	6	6	14	7	7	7	7	7	10	7	8	6	6	11	8	10	10	14	7	7	4	6	8
20	4	3	2	5	11	13	22	19	19	10	15	17	11	6	5	7	10	8	8	14	16	8	8	10	10
21	13	7	4	10	13	25	14	16	17	10	8	5	5	5	6	6	9	7	11	9	4	6	7	9	9
22	6	5	6	6	11	9	10	14	4	7	5	5	5	4	6	4	4	5	8	10	8	6	8	5	7
23	4	15	6	3	4	5	8	5	5	5	7	3	5	2	4	6	5	4	7	7	7	6	8	4	6
24	6	8	7	7	7	5	8	11	7	6	8	7	3	6	10	9	15	9	23	27	52	34	28	23	14
25	19	32	14	10	8	9	10	9	7	12	8	30	11	6	5	5	7	4	4	5	6	8	9	8	10
26	11	M	5	7	6	5	12	14	15	8	6	5	17	4	10	19	11	8	13	27	14	24	24	26	13
27	23	19	10	19	10	13	8	16	11	9	11	6	10	6	4	3	6	10	12	15	13	19	18	19	12
28	16	8	7	11	24	17	19	18	13	15	13	11	11	10	7	10	10	9	10	11	13	22	13	12	13
29	8	6	19	23	13	21	15	15	8	8	6	7	7	9	7	6	7	6	8	10	10	9	13	14	11
30	12	6	6	17	14	16	17	10	13	8	8	7	8	6	7	14	6	15	26	23	17	20	29	41	14
31	14	20	15	20	16	21	21	16	21	14	14	18	16	13	7	19	16	27	33	24	12	11	7	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
9	9	11	9	20	25	31	37	0	-	53	5	-	22	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: MAY

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

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	9	6	2	0	1	0	2	4	7	10	26	10	21	17	8	9	14	13	14	19	27	10	8	9	10
2	6	1	1	0	0	1	11	9	8	21	17	20	30	37	20	12	16	7	4	4	2	2	0	0	10
3	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	4	10	13	7	4	2	1	7	4	9	7	11	17	10	15	3	6	23	6
5	6	2	11	10	12	13	11	16	19	16	17	14	26	25	23	28	38	39	47	47	41	42	5	1	21
6	0	0	0	0	0	0	1	3	4	3	3	3	10	3	2	6	7	5	5	6	11	12	16	12	5
7	10	8	8	0	0	4	13	18	28	18	24	19	13	11	10	19	30	16	13	15	13	16	13	19	14
8	12	4	1	0	0	0	7	6	11	6	7	6	4	6	3	3	1	11	11	10	7	12	7	11	6
9	5	4	4	1	1	2	6	10	6	6	4	2	9	2	2	7	8	4	8	2	16	10	6	15	6
10	14	18	9	2	1	3	9	10	11	3	1	4	2	1	2	9	7	2	7	17	12	6	4	8	7
11	8	9	2	2	3	6	6	7	4	4	3	3	2	0	2	3	3	4	10	8	12	17	16	6	6
12	14	M	8	6	14	16	19	13	12	6	4	1	1	2	3	2	5	5	7	3	11	10	12	7	8
13	2	7	6	6	6	6	6	13	8	4	4	2	5	3	3	3	6	5	6	10	10	9	4	11	6
14	1	3	4	9	4	3	10	12	13	11	9	6	5	4	2	3	5	7	5	8	4	4	5	4	6
15	5	6	4	1	6	4	6	8	6	7	3	2	1	2	13	6	4	15	7	6	6	6	7	6	6
16	4	0	4	8	10	14	16	7	1	2	1	2	7	4	1	3	1	3	5	4	7	7	11	20	6
17	17	14	12	18	15	16	18	11	11	10	2	9	3	2	6	5	5	6	4	3	6	10	6	13	9
18	12	11	12	11	11	12	15	6	2	3	0	2	4	1	5	6	6	10	6	6	6	3	9	6	7
19	13	9	4	3	6	13	7	3	4	10	6	2	6	3	6	2	2	6	11	10	6	8	7	10	7
20	10	3	3	0	3	1	6	8	5	9	6	1	7	2	1	2	3	4	5	4	6	13	12	4	5
21	5	7	0	1	2	3	5	4	7	6	2	0	4	3	5	2	3	4	2	3	5	9	14	12	5
22	7	3	1	0	7	1	8	6	8	4	6	12	10	6	6	3	3	5	6	8	8	8	12	4	6
23	3	3	2	2	1	4	6	6	1	7	5	4	4	3	3	3	2	3	5	9	6	3	5	7	4
24	8	3	3	5	4	6	8	6	9	9	6	6	4	5	3	5	8	5	8	19	11	14	13	17	8
25	20	7	2	4	7	7	10	15	8	9	11	16	23	13	9	6	8	8	6	6	3	2	3	3	9
26	3	M	8	1	3	3	9	7	7	3	4	5	5	0	4	5	6	8	7	8	8	9	9	9	6
27	8	2	3	4	3	5	8	6	3	5	2	8	2	1	1	1	3	3	5	6	6	8	7	7	4
28	7	1	0	2	2	5	6	3	1	2	3	2	1	1	2	2	1	4	3	4	4	4	6	3	3
29	5	7	5	6	3	5	4	4	3	5	3	2	1	0	2	5	3	7	6	11	7	4	8	7	5
30	10	6	4	6	4	2	6	5	4	2	0	1	2	2	2	2	3	4	5	15	5	5	4	4	4
31	3	2	1	5	4	4	6	7	6	4	3	3	3	6	8	7	9	7	8	6	7	19	23	19	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	6	7	6	14	18	24	30	0	-	47	0	-	21	2	100	0

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

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

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

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	25	22	11	6	10	11	21	13	18	56	66	21	31	22	13	11	17	27	29	42	25	13	10	13	22
2	8	M	6	4	5	5	10	11	21	32	36	21	33	48	25	21	24	16	13	18	14	10	8	7	17
3	8	6	4	4	4	3	4	6	7	9	6	6	6	6	6	7	6	7	6	4	4	5	5	3	6
4	3	2	3	3	3	3	9	13	20	14	8	10	8	8	12	14	19	19	28	23	30	10	9	47	13
5	20	16	47	27	31	35	26	38	44	41	33	30	41	33	28	43	56	69	98	100	83	67	12	6	43
6	5	6	6	5	5	6	9	13	14	13	14	21	34	16	25	18	21	20	25	41	31	35	33	34	19
7	33	52	35	18	42	13	19	24	62	53	53	42	25	22	24	33	53	37	32	32	25	21	15	20	33
8	30	17	14	8	5	6	12	14	19	12	15	15	14	9	8	9	6	13	16	15	19	25	19	18	14
9	16	15	11	11	9	12	15	30	15	15	8	10	9	4	7	9	11	10	18	11	32	17	13	22	14
10	19	38	22	10	7	7	13	24	19	11	14	12	12	10	16	19	27	13	19	28	21	14	12	14	17
11	16	20	7	7	10	13	14	15	10	8	5	8	16	10	10	7	7	11	18	13	20	24	26	13	13
12	23	22	18	17	28	30	28	18	20	12	14	8	7	6	5	7	11	13	13	10	18	21	24	16	16
13	8	14	15	12	15	12	12	22	20	11	14	9	10	12	14	12	22	14	17	25	22	21	14	27	16
14	10	12	14	17	13	10	18	25	25	22	16	12	13	9	9	10	11	14	18	17	10	9	12	11	14
15	12	21	12	8	15	10	13	18	17	11	9	12	16	6	20	17	10	22	15	15	15	15	17	14	14
16	7	M	13	20	21	24	24	13	11	10	5	7	10	6	5	6	4	12	17	13	13	14	17	35	13
17	26	30	17	28	25	28	30	20	18	23	13	12	8	9	10	12	14	12	13	12	13	25	18	21	18
18	26	24	26	22	17	23	23	15	10	9	8	15	12	10	10	7	11	11	11	12	20	10	19	21	16
19	19	19	11	11	16	23	15	11	12	17	10	5	9	6	9	5	6	10	19	15	13	16	15	15	13
20	20	11	12	6	11	8	19	17	13	11	12	10	9	6	4	10	11	12	15	10	14	24	25	11	13
21	12	14	7	6	10	12	13	13	15	9	6	7	9	7	6	6	9	9	9	10	11	18	25	22	11
22	14	12	11	8	15	9	18	14	12	8	8	17	14	9	10	10	7	8	13	16	17	16	23	12	13
23	9	7	6	8	7	10	10	9	5	11	10	5	4	6	7	6	6	7	10	21	14	8	12	15	9
24	14	10	11	15	13	15	13	14	15	21	19	15	18	18	9	13	19	14	31	34	16	26	24	26	18
25	33	16	11	13	20	17	22	24	20	16	33	36	38	31	26	23	21	16	14	8	6	8	8	8	20
26	11	18	15	7	10	9	12	8	15	10	10	16	13	5	11	10	12	18	17	17	16	16	15	20	13
27	16	9	15	18	14	16	15	13	9	10	9	15	13	11	8	7	7	14	17	15	16	27	17	19	14
28	22	11	10	9	13	15	12	11	8	10	6	10	5	6	8	10	10	14	13	16	12	17	16	16	12
29	17	17	22	23	20	14	11	12	14	15	14	10	10	7	8	15	17	22	22	25	22	16	25	24	17
30	33	M	M	23	18	16	19	17	17	12	9	9	13	12	13	11	18	19	16	33	20	18	16	13	17
31	18	17	14	14	12	18	16	20	23	15	13	14	12	13	29	M	M	20	24	18	20	26	47	36	20

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
14	14	16	14	27	34	47	56	2	-	100	6	-	43	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: MAY

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

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----RANGE-----													STN GEOM	PERCENT	NO. OF TIMES	
GEOM	MEAN	MEDIAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
1	1	1	1	2	3	5	7	0	-	13	0	-	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: MAY

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	17	21	18	9	16	6	20	23	21	34	29	18	41	24	14	14	28	21	17	14	9	10	34	19	20
2	13	26	9	1	4	4	22	28	31	32	30	35	20	24	12	11	21	6	4	0	2	2	2	2	14
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
4	0	0	0	0	0	0	1	0	0	5	3	0	6	8	12	M	M	27	15	34	17	14	37	46	10
5	25	24	16	12	22	25	29	22	25	27	42	36	43	31	54	53	39	38	58	50	48	35	5	4	32
6	3	3	3	3	3	3	6	7	6	6	8	7	5	4	3	3	5	4	6	4	6	8	5	12	5
7	5	8	4	4	6	10	21	44	41	30	20	17	20	11	23	22	27	62	39	31	27	16	12	26	22
8	15	14	7	4	11	15	20	22	22	18	21	20	14	10	20	12	12	21	17	20	19	17	13	20	16
9	18	18	11	9	14	13	19	20	17	18	14	15	17	8	11	15	15	12	19	15	17	9	17	20	15
10	28	18	11	5	4	8	12	7	9	19	23	17	20	8	12	16	14	12	20	18	10	5	8	19	13
11	11	8	13	12	9	18	7	9	8	9	5	5	10	8	10	10	15	15	20	16	20	29	12	8	12
12	15	M	8	10	21	26	26	17	19	19	12	12	5	5	10	17	12	16	6	16	20	30	12	10	15
13	4	14	13	10	13	14	14	16	11	9	13	9	9	7	14	20	19	12	16	13	9	22	5	20	13
14	9	14	16	20	12	12	13	14	18	26	18	9	7	9	9	8	9	8	5	4	4	7	7	11	11
15	8	16	9	10	13	7	12	11	9	14	9	11	10	12	23	21	22	18	12	9	14	10	11	10	13
16	7	4	15	9	11	24	23	23	16	17	13	10	11	10	10	8	6	10	12	9	12	18	7	25	13
17	29	26	28	35	20	17	32	24	16	10	13	13	11	10	13	14	14	12	4	5	17	17	11	24	17
18	16	11	21	19	26	19	17	18	7	10	15	14	12	11	11	12	12	15	11	15	13	6	21	20	15
19	23	7	5	11	17	12	10	6	4	5	5	9	4	6	6	5	7	9	16	14	18	4	6	17	9
20	5	4	8	8	7	9	17	13	10	13	15	10	11	7	9	12	11	11	13	11	16	16	6	15	11
21	15	18	15	11	11	9	7	10	9	8	10	13	7	11	9	8	11	7	6	8	16	10	9	10	10
22	14	12	4	8	10	12	22	15	15	14	10	14	7	9	9	6	9	13	11	9	14	17	18	13	12
23	13	11	10	8	10	18	12	11	9	10	10	12	8	9	13	15	10	14	14	19	11	6	9	15	12
24	13	12	13	13	8	14	15	14	22	19	19	25	23	13	16	22	19	21	24	23	25	41	50	38	21
25	36	19	10	9	20	14	17	25	22	14	26	30	17	11	6	12	8	6	5	5	6	10	11	14	15
26	15	M	13	15	15	15	14	13	17	11	12	16	16	15	11	15	11	19	12	12	17	20	17	22	15
27	14	12	14	13	22	19	16	18	17	14	19	17	16	11	13	12	15	18	20	23	25	28	30	33	18
28	24	9	9	14	25	21	18	17	17	19	17	17	12	12	16	13	12	14	14	15	18	26	14	31	17
29	14	16	29	26	20	22	16	16	13	17	14	12	12	13	13	14	15	18	18	20	16	11	18	21	17
30	17	13	14	27	16	17	21	16	12	9	9	8	8	11	14	12	13	16	21	28	22	16	9	12	15
31	20	17	13	25	16	21	27	21	22	21	25	22	17	17	20	21	29	30	18	20	20	36	26	23	22

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----													RANGE-----		STN GEOM	PERCENT	NO. OF TIMES
GEOM	MEAN	MEDIAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL			
13	13	15	13	25	30	39	45	0	-	62	0	-	32	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: MAY

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----								RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
6	4	8	4	17	18	18	19	0	-	21	1	-	18	2	88	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 : CHEUNG CHAU  
POLLUTANT : NITROGEN DIOXIDE

MONTH: MAY

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	33	19	14	10	30	73	46	33	20	5	9	8	10	7	18	13	16	17	18	14	13	15	27	20
2	18	12	13	33	24	14	43	73	32	16	24	39	8	10	10	7	16	29	12	10	10	9	8	13	20
3	11	48	8	5	13	10	2	3	2	0	0	1	0	4	1	0	0	3	2	4	3	4	7	8	6
4	7	7	4	6	8	10	11	33	24	32	8	9	20	29	34	18	8	17	21	15	25	16	5	6	16
5	19	21	26	31	31	25	40	54	58	49	51	36	29	29	35	69	36	37	23	27	35	29	29	6	34
6	1	5	13	13	14	20	13	17	16	7	0	21	6	0	2	0	2	1	4	10	9	9	6	10	8
7	6	20	13	7	13	32	49	57	57	17	9	9	10	22	34	6	7	13	13	6	12	22	20	21	20
8	15	9	8	25	13	12	21	12	13	13	9	7	1	2	2	4	5	9	5	14	12	23	10	9	11
9	6	10	10	7	10	20	23	17	9	8	3	4	5	5	4	4	5	6	4	5	12	3	1	8	8
10	5	3	2	2	2	5	1	4	2	0	2	2	2	2	1	1	2	1	4	6	3	5	4	5	3
11	10	6	5	4	4	6	13	12	5	5	7	7	5	5	2	3	6	5	9	13	13	12	15	5	7
12	10	M	8	7	7	13	13	9	6	5	5	2	4	3	2	3	4	9	9	11	16	20	10	12	8
13	7	3	5	4	4	15	15	8	3	3	7	3	4	1	1	4	5	9	4	7	16	16	19	4	7
14	5	6	3	4	8	4	10	8	2	2	0	1	0	0	0	0	1	7	21	2	6	2	2	14	5
15	5	1	2	3	6	4	4	1	2	1	2	0	0	0	1	0	1	2	2	3	7	22	21	10	4
16	3	3	4	5	5	4	3	3	2	1	1	0	0	0	0	0	0	2	6	5	4	4	7	3	
17	12	7	5	5	9	13	16	7	5	3	2	1	1	0	1	1	3	1	1	3	6	18	7	7	6
18	5	6	7	4	5	4	4	3	10	38	7	9	7	3	10	12	10	7	9	7	8	9	17	8	9
19	11	9	6	7	6	11	10	5	6	5	4	4	4	4	3	4	3	5	6	7	7	7	5	6	6
20	7	6	6	7	9	9	7	9	10	10	6	8	6	6	5	9	7	8	9	7	13	9	14	13	8
21	10	9	8	8	13	11	15	10	9	8	7	6	5	5	5	5	4	55	10	9	6	8	9	10	10
22	9	7	6	4	7	7	18	11	6	3	3	2	2	2	4	3	2	1	0	5	13	3	7	5	5
23	5	6	6	4	4	3	4	3	7	3	3	3	3	7	9	3	3	8	10	22	24	27	22	14	8
24	9	7	6	6	6	8	8	8	6	7	8	4	5	4	4	7	6	10	12	12	11	20	38	32	10
25	25	18	16	30	25	35	20	9	4	6	20	21	15	23	27	8	5	5	8	9	10	14	24	32	17
26	27	M	36	16	14	17	18	9	4	3	4	4	2	3	4	3	5	4	4	10	9	10	23	13	11
27	21	17	25	12	18	10	15	16	10	8	6	5	2	1	0	0	3	1	12	15	18	25	28	22	12
28	18	16	21	13	17	25	28	15	17	13	6	3	1	2	2	1	4	4	13	11	19	12	18	14	12
29	33	34	10	5	10	15	6	8	11	6	4	2	3	2	3	5	11	15	12	14	120	72	56	25	20
30	29	23	18	12	11	11	11	12	12	7	7	7	11	8	9	15	13	19	20	12	31	29	23	13	15
31	28	22	16	11	16	20	19	15	16	17	12	17	11	5	9	11	7	11	11	42	30	17	29	19	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	
8	8	11	8	25	32	46	57	0	-	120	3	-	34	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: JUNE

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

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	21	23	24	24	1	-	25	5	-	22	2	100	0	

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

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

STATION : VICTORIA PEAK  
POLLUTANT : NITROGEN DIOXIDE

MONTH: JUNE

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	7	6	14	16	5	6	6	5	12	24	19	11	10	8	10	7	6	7	13	4	8	6	2	5	9
2	31	9	28	1	0	0	4	7	15	15	10	7	7	7	6	8	10	15	18	6	7	15	13	8	10
3	8	5	2	2	2	8	7	8	7	6	9	8	6	6	14	21	17	17	8	12	13	7	8	6	9
4	11	6	9	9	7	6	5	14	8	19	13	10	12	22	22	35	36	32	57	62	54	38	34	29	23
5	26	18	12	12	6	21	23	20	18	35	35	35	31	29	23	34	40	40	41	33	33	41	37	19	28
6	22	27	19	15	13	13	14	19	27	23	26	33	36	21	14	18	27	34	19	14	10	8	6	7	19
7	4	4	4	4	3	3	8	14	19	12	10	9	7	7	7	8	8	7	7	3	5	3	4	5	7
8	4	4	3	4	3	3	4	13	21	17	17	17	15	12	13	13	9	7	8	7	6	5	6	7	9
9	6	5	4	4	3	4	7	6	16	21	17	8	6	11	7	15	9	7	5	3	3	4	4	5	8
10	1	2	2	2	3	2	5	6	9	8	7	8	5	5	5	5	4	4	5	5	5	4	4	6	5
11	4	3	3	3	2	2	4	6	8	10	7	7	6	6	5	6	5	4	4	3	3	3	5	4	5
12	3	1	2	1	0	1	0	1	2	4	4	5	4	3	3	5	4	8	11	7	3	5	3	6	4
13	2	0	1	1	2	1	2	6	8	5	8	5	6	6	4	6	5	8	13	17	12	11	8	7	6
14	6	5	3	6	6	16	10	13	M	16	16	10	9	10	7	7	9	11	9	12	17	16	11	13	10
15	8	5	10	6	2	7	10	5	6	5	12	15	8	9	8	5	4	9	14	13	8	5	6	9	8
16	6	6	6	2	2	5	4	6	5	4	3	5	4	6	7	8	14	15	13	8	13	13	16	9	8
17	4	3	3	5	6	13	15	16	12	5	9	12	12	16	10	8	8	6	9	11	14	12	11	10	10
18	9	10	7	3	4	6	7	6	6	8	8	5	5	4	7	9	11	13	20	18	15	10	7	10	9
19	7	5	7	9	8	6	6	7	8	10	12	9	8	5	5	12	11	9	13	17	15	11	10	12	9
20	6	5	7	5	7	7	5	5	6	5	6	8	8	13	12	17	17	20	11	16	12	6	6	7	9
21	8	17	8	6	6	3	8	8	8	11	5	6	8	9	10	10	10	7	16	9	19	8	9	8	9
22	7	4	7	6	12	7	10	10	9	5	4	32	29	40	61	27	45	70	57	73	10	7	4	3	22
23	10	15	17	7	4	4	8	6	7	8	25	22	13	13	9	7	8	6	13	15	30	22	25	26	13
24	21	15	14	8	5	5	5	9	13	12	11	14	18	15	18	16	13	14	31	45	44	25	10	13	16
25	5	3	3	4	2	1	9	14	10	17	18	16	24	34	16	17	11	12	22	13	6	6	6	5	11
26	4	6	4	8	12	16	14	19	19	41	32	19	19	8	8	13	14	19	22	28	27	14	15	14	16
27	19	7	13	28	16	7	14	8	9	6	19	14	9	13	8	14	17	19	10	7	8	5	6	5	12
28	3	1	1	4	5	6	2	2	M	3	10	7	17	20	29	11	15	13	9	7	6	8	5	5	8
29	6	4	3	7	6	4	7	9	6	6	9	27	28	47	39	17	29	25	22	11	14	8	7	4	14
30	2	2	2	1	2	3	3	8	5	5	7	5	5	4	6	5	5	5	7	10	17	9	4	5	5

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL		
8	8	11	8	22	31	40	47	0	-	73	4	-	28	2	100	0

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: JUNE

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	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	2	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2
5	3	3	3	3	3	3	3	3	4	4	4	4	5	4	4	4	4	4	5	5	4	5	4	5	4
6	5	5	4	4	4	3	4	4	8	6	8	6	6	6	5	5	5	4	3	3	3	2	2	2	4
7	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
8	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
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
10	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
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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
14	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
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	M	3	2	2	2	3	3	2	3	2
16	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
17	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
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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	4
22	5	5	5	4	4	5	4	4	4	4	4	4	5	4	5	4	4	4	4	5	4	4	4	5	4
23	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
24	4	4	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5
25	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	4	5	5	5	5	5
26	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5
27	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
28	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5
29	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5
30	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

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		
3	3	3	3	5	5	5	6	2	-	8	2	-	5	1	100	0

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

MONTH: JUNE

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	7	5	3	6	8	8	7	9	29	20	11	10	6	6	7	6	7	3	7	16	43	38	7	16	12
2	28	5	13	3	4	8	13	14	18	12	8	10	7	6	13	11	18	21	15	15	11	10	13	15	12
3	13	9	12	10	19	19	12	11	9	10	16	9	7	4	3	10	7	8	8	15	22	22	21	18	12
4	15	15	16	18	23	10	15	15	23	15	14	18	13	17	28	39	37	63	69	75	73	62	48	39	32
5	34	37	34	30	28	23	33	30	28	38	41	41	50	40	35	37	41	49	85	84	69	61	49	38	43
6	44	45	31	25	22	16	17	23	91	64	82	43	32	30	31	22	20	27	31	19	13	8	8	8	31
7	5	5	6	5	5	5	5	6	7	6	6	5	4	4	5	6	6	6	7	6	5	6	5	6	6
8	5	5	5	4	4	5	6	6	8	5	5	4	4	4	3	5	7	8	10	7	7	6	7	8	6
9	5	M	8	6	6	5	10	8	5	6	6	5	4	4	4	5	6	5	6	8	8	6	11	7	6
10	3	6	4	5	4	5	6	6	5	4	3	3	3	3	2	3	3	4	6	4	5	4	4	6	4
11	4	4	5	4	3	3	4	5	4	4	3	3	2	2	2	3	2	3	3	4	4	3	4	6	4
12	4	4	4	3	2	4	3	5	6	4	5	8	5	6	4	7	4	11	13	13	8	8	9	12	6
13	7	3	5	6	8	5	6	13	9	7	7	6	7	6	4	7	7	7	14	12	13	13	18	11	8
14	18	9	10	10	9	10	13	12	10	10	7	5	8	6	4	5	6	9	11	9	19	14	17	9	10
15	11	12	20	22	13	14	14	12	13	17	7	5	5	8	9	M	8	10	13	15	32	34	19	14	14
16	21	18	26	9	15	16	16	11	16	10	12	6	14	14	10	10	16	23	24	10	9	10	9	11	14
17	6	7	27	20	21	17	20	21	14	14	8	6	6	4	10	9	7	11	12	14	9	10	11	13	12
18	13	7	8	6	7	6	9	8	7	12	8	6	5	5	7	10	9	7	8	11	11	8	12	12	8
19	8	10	9	6	8	9	7	10	12	7	10	8	10	7	11	7	8	10	11	14	13	12	10	12	10
20	14	10	16	8	6	8	10	11	9	7	10	10	12	10	10	11	11	15	14	17	12	22	28	22	13
21	12	9	11	14	14	11	17	8	7	12	7	7	11	11	10	10	14	14	16	14	18	18	12	11	12
22	34	25	22	9	11	13	9	14	15	19	18	39	39	38	23	14	24	23	29	35	20	29	21	15	22
23	16	M	24	19	16	14	19	24	31	25	27	42	24	16	16	15	15	12	14	17	21	20	22	35	21
24	18	26	19	13	12	11	8	8	5	7	7	6	7	7	14	21	22	30	24	13	8	5	4	4	12
25	3	5	5	5	5	5	8	13	13	9	22	34	14	7	12	9	10	16	14	13	10	13	27	10	12
26	10	10	9	12	15	10	8	12	16	18	11	17	9	18	12	9	32	56	25	27	13	25	30	26	18
27	19	27	23	19	25	17	20	22	26	22	20	16	20	18	16	12	13	21	50	49	36	28	25	15	23
28	23	18	19	20	20	16	5	6	7	10	10	14	13	14	11	6	12	12	16	17	14	19	13	10	14
29	11	15	16	24	28	26	29	29	26	11	10	16	23	10	16	15	18	16	14	21	17	10	13	9	18
30	10	7	8	10	7	17	18	28	27	11	12	12	8	15	10	14	19	33	21	18	16	12	6	10	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		
11	11	14	11	28	37	50	68	2	-	91	4	-	43	2	100	0

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

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

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: JUNE

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL		
3	3	3	3	4	4	5	5	1	-	8	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: JUNE

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
6	6	8	6	16	21	26	32	0	-	38	0	-	17	2	100	0

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

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

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

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	3	4	3	9	9	9	10	0	-	18	0	-	9	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: JUNE

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	34	9	24	27	5	6	6	12	39	17	23	27	10	8	10	10	12	10	13	26	15	20	19	39	18
2	20	10	26	37	15	19	25	46	34	16	13	10	9	6	11	14	16	17	14	10	5	7	10	12	17
3	9	5	5	4	4	12	6	15	10	M	13	11	12	11	14	26	16	23	14	15	17	12	9	10	12
4	16	10	14	18	12	6	10	18	15	19	19	18	21	30	32	41	45	56	67	72	65	42	38	30	30
5	29	26	23	20	24	20	23	27	33	33	38	39	45	34	34	41	43	52	89	56	52	59	47	30	38
6	36	47	24	23	21	17	22	28	44	25	60	39	35	23	23	33	40	34	18	15	10	10	7	6	27
7	4	4	3	3	2	2	6	11	19	16	15	13	9	9	7	8	5	7	7	5	8	5	4	5	7
8	4	3	3	3	5	11	15	13	14	20	18	19	15	10	10	12	12	8	10	10	7	5	7	7	10
9	6	3	1	2	3	6	18	32	32	20	27	7	10	14	8	14	12	8	6	2	4	5	3	5	10
10	0	0	1	1	2	1	5	8	15	8	6	6	4	4	3	3	4	5	8	7	6	5	5	5	5
11	3	2	2	2	1	2	5	8	9	12	7	7	6	6	4	7	4	7	5	3	4	3	5	3	5
12	1	0	1	0	0	0	1	1	2	3	2	3	1	1	1	3	2	6	5	5	3	2	2	4	2
13	1	0	0	0	1	0	0	3	3	1	2	2	1	2	2	6	8	10	17	22	11	9	6	3	5
14	6	5	3	11	8	20	15	14	21	7	7	7	7	8	5	4	10	7	11	16	18	19	16	11	11
15	10	6	21	9	4	17	18	15	11	7	14	24	9	19	15	13	12	18	14	12	15	9	11	11	13
16	9	9	7	2	4	12	10	10	7	6	6	8	7	12	5	8	6	12	17	12	17	29	14	8	10
17	5	5	9	17	12	18	19	18	25	24	12	17	6	8	6	8	10	10	15	11	14	13	13	21	13
18	10	12	8	10	8	15	21	20	20	12	19	10	9	7	10	14	13	10	14	5	10	14	14	8	12
19	13	16	13	12	11	10	17	13	13	14	20	9	11	13	12	9	13	8	8	12	8	11	8	26	13
20	12	12	18	18	9	15	10	11	9	16	8	11	10	6	11	9	6	10	11	8	5	11	20	18	11
21	5	5	7	15	17	18	24	19	19	19	13	7	15	6	17	25	29	22	83	24	28	47	31	25	22
22	15	22	13	14	16	16	24	20	31	38	32	44	45	36	33	31	33	35	30	39	25	31	21	11	27
23	17	17	19	10	8	10	15	15	19	33	38	29	16	17	20	18	23	23	28	25	33	36	34	34	22
24	24	17	14	9	7	9	16	35	34	15	16	25	30	26	26	24	32	38	47	60	52	27	18	40	27
25	41	13	12	20	11	13	19	26	35	25	M	M	45	37	33	24	16	15	27	17	13	17	11	4	22
26	6	4	3	13	13	16	15	22	29	32	22	18	22	16	13	21	22	25	18	21	20	20	15	14	18
27	22	11	17	21	19	29	25	23	14	18	12	25	28	26	18	17	19	15	18	13	15	8	7	18	18
28	11	7	7	10	14	10	5	21	10	10	19	16	13	34	27	18	15	15	16	13	12	11	7	4	14
29	11	3	3	10	9	7	13	13	9	7	6	16	16	5	24	24	9	14	23	21	22	14	12	4	12
30	3	2	2	1	4	5	8	16	10	13	10	6	9	5	5	7	12	10	13	15	21	9	6	5	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		
11	12	15	12	32	38	47	59	0	-	89	2	-	38	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: JUNE

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	3	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0
3	1	0	0	0	0	0	0	0	0	1	2	1	0	0	1	1	2	0	0	0	1	0	0	0	2	1
4	1	0	0	1	1	0	1	0	1	1	0	1	0	1	1	M	3	3	3	2	3	2	2	2	4	1
5	2	1	1	1	1	2	2	2	2	2	3	3	4	3	4	3	3	4	4	4	4	4	4	4	6	3
6	5	6	3	3	3	3	3	3	8	7	7	6	5	4	5	7	6	3	3	2	2	1	1	2	4	
7	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	2	1
8	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	M	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	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
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	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	0	0	0	0	0	0	0	0	0	0	1	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	M	1	0	0	0	0	0	0	0	0	0	0	2	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	2	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	2	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	3	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	1	1	1	0	1	1	1	1	1	1	0	0	0	2	0
23	0	1	0	1	0	0	1	2	1	1	2	2	0	0	0	0	0	0	0	0	0	1	0	5	1	
24	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	2	1	
25	0	0	0	0	0	0	0	0	0	0	1	4	2	3	1	1	1	1	1	0	0	0	0	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	1	0	
27	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
28	0	1	0	1	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	4	6	4	
29	4	4	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	4	3	
30	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----RANGE-----													STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
2	0	1	0	3	4	5	6	0	-	8	0	-	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

STATION : AP LEI CHAU  
POLLUTANT : NITROGEN DIOXIDE

MONTH: JUNE

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	18	15	32	24	13	13	13	23	38	31	32	17	11	9	9	12	19	12	24	41	18	17	23	58	22
2	23	26	21	25	9	17	21	19	19	14	12	17	13	12	12	19	18	23	20	22	21	16	25	37	19
3	26	12	18	14	25	21	20	18	15	16	27	17	12	14	19	19	31	15	15	27	28	21	16	18	19
4	26	26	23	40	23	17	34	27	24	31	27	30	23	28	40	M	38	59	59	53	46	27	14	4	31
5	0	0	0	0	0	0	1	1	14	25	28	38	38	15	18	24	21	30	43	39	27	18	10	20	17
6	39	25	0	4	0	0	0	1	54	40	29	8	0	0	0	4	4	2	0	0	0	0	0	0	9
7	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
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	1	0	0	0	0	0	0	2	0
9	0	M	0	0	0	4	12	16	13	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
10	0	0	0	0	0	0	1	2	2	1	2	1	0	0	0	0	0	1	0	0	0	0	0	1	0
11	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	1	0	0	0	0	0	0	0	2	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	7	0
13	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	4	7	5	18	5	2	1	2	2
14	2	0	0	7	3	20	10	15	3	17	11	4	7	2	1	1	4	3	3	11	14	17	3	8	7
15	8	12	17	1	1	2	15	9	14	10	15	8	15	24	15	15	11	11	1	4	5	6	1	3	9
16	2	3	2	0	5	3	6	6	3	2	3	2	M	14	16	9	10	12	7	5	3	2	15	11	6
17	1	1	4	4	6	19	15	20	16	14	19	14	12	7	10	5	14	3	3	12	4	5	3	17	10
18	2	13	0	5	0	8	7	7	11	9	11	13	10	9	10	15	12	8	10	5	10	7	15	7	9
19	6	6	3	1	1	4	7	4	13	19	18	9	6	13	11	11	13	11	14	15	5	5	1	17	9
20	4	16	12	9	2	5	11	6	13	16	4	9	9	7	11	10	13	14	7	8	1	2	1	4	8
21	0	4	3	7	6	4	13	8	8	13	11	6	8	12	11	12	20	22	17	12	20	17	6	17	11
22	6	10	5	6	6	12	7	9	4	15	20	38	39	29	13	26	26	22	45	39	12	12	5	4	17
23	15	M	12	12	4	10	12	14	17	20	39	38	10	16	31	21	9	13	7	4	20	47	25	50	19
24	37	22	18	3	4	5	7	7	6	3	7	6	13	2	14	25	41	41	41	27	20	14	10	3	16
25	5	1	0	1	0	2	20	17	3	9	8	30	34	18	17	9	8	7	15	2	5	2	11	2	9
26	2	2	4	14	19	6	5	4	20	27	18	22	16	10	17	17	21	21	24	11	5	4	4	4	12
27	5	2	4	4	17	22	26	26	17	16	7	22	7	16	5	12	13	12	5	4	1	0	4	4	10
28	1	0	0	3	0	1	0	0	4	1	9	27	21	17	14	11	15	12	16	13	11	17	2	3	8
29	5	2	2	3	10	1	4	2	0	10	12	8	11	9	24	15	16	13	4	3	23	5	7	2	8
30	0	0	4	1	4	2	9	4	1	5	1	2	2	7	8	2	2	2	7	13	16	3	1	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		
8	6	10	6	24	31	40	46	0	-	59	0	-	31	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: JUNE

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
4	2	6	2	18	19	20	21	0	-	22	0	-	20	3	100	0

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

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

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	19	17	12	21	18	20	20	47	34	53	33	13	9	7	9	10	16	5	9	8	11	35	43	29	21
2	13	9	16	29	70	81	72	55	44	24	21	23	13	11	4	9	10	20	32	27	30	36	45	42	31
3	65	61	61	63	53	44	36	28	21	21	12	8	6	5	3	3	4	6	8	10	7	9	13	13	23
4	17	16	11	15	20	19	22	22	13	15	20	16	11	60	184	104	80	102	101	102	103	99	90	91	56
5	89	82	72	69	81	78	72	76	70	92	71	54	60	50	37	39	51	55	47	71	61	46	48	35	63
6	33	28	26	21	23	52	67	63	29	25	25	20	18	19	24	17	24	27	26	27	22	19	10	22	28
7	10	6	13	27	6	7	8	26	14	15	10	3	3	1	1	1	2	1	2	3	5	4	3	13	8
8	12	14	19	7	12	36	44	40	37	33	13	2	2	4	2	4	6	7	9	9	7	14	6	14	15
9	14	M	19	22	14	6	53	65	34	30	36	8	33	25	28	27	21	24	6	5	6	4	4	5	21
10	4	3	3	11	5	15	25	35	26	27	12	13	8	3	0	0	1	1	4	9	18	14	14	14	11
11	18	19	14	12	13	16	25	10	8	9	17	10	14	11	6	10	2	11	9	8	17	16	19	25	13
12	7	2	2	4	1	1	8	13	7	20	28	17	15	19	16	13	16	7	25	28	23	39	29	35	16
13	18	24	30	22	18	11	36	20	11	10	6	3	3	2	2	3	4	4	5	6	20	11	13	24	13
14	36	18	7	9	27	17	6	9	7	4	6	7	3	2	4	3	3	2	4	6	7	9	3	3	8
15	4	8	6	6	4	9	8	6	4	6	5	2	3	4	2	4	5	4	4	4	9	5	4	8	5
16	9	4	1	3	2	3	4	6	5	0	0	1	M	0	0	0	1	3	5	9	8	5	6	4	3
17	3	5	4	7	12	10	12	6	7	4	1	0	0	0	0	1	1	0	1	4	16	20	7	9	5
18	9	10	9	8	3	11	12	12	18	7	9	10	9	6	11	6	7	7	5	10	13	9	7	7	9
19	12	15	12	16	12	18	16	8	7	10	2	2	6	6	7	11	10	9	9	9	5	8	6	8	9
20	12	12	11	8	9	6	9	10	10	9	13	10	14	10	11	7	8	9	9	7	11	4	2	9	9
21	14	14	11	13	10	10	10	6	8	8	5	7	7	5	5	5	6	9	9	6	9	13	14	12	9
22	12	16	13	16	11	18	21	28	28	35	55	32	14	16	21	38	25	33	29	31	14	14	13	31	24
23	29	M	16	16	22	34	35	28	29	40	19	10	12	12	17	17	18	20	35	45	59	59	61	48	30
24	33	39	63	81	73	71	40	21	16	13	24	44	70	56	18	13	25	30	27	33	82	45	30	27	41
25	48	37	22	44	47	68	70	77	58	30	25	17	13	26	12	13	14	25	18	16	23	26	41	49	34
26	54	54	68	75	34	26	33	25	63	71	64	51	30	16	28	38	61	67	70	50	46	42	22	35	47
27	31	33	35	45	41	56	55	37	25	27	26	24	26	48	38	29	31	27	18	17	17	20	15	30	31
28	28	19	15	13	18	17	16	30	23	24	43	77	50	46	55	49	54	61	75	67	23	18	16	28	36
29	27	22	17	22	18	20	21	27	13	13	12	14	45	32	27	24	30	22	19	23	32	28	29	19	23
30	24	22	28	26	26	22	20	14	13	10	9	9	6	6	8	8	10	12	15	14	17	10	12	11	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	
15	14	22	14	53	69	81	92	0	-	184	3	-	63	3	100	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 : April - June 2021

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
03/04/21	7	24	12	17	8.0	7.9	7.9
10/04/21	7	22	11	18	8.1	7.9	8.0
17/04/21	7	22	14	18	8.0	7.9	8.0
24/04/21	7	23	16	20	8.1	7.8	8.0
01/05/21	7	24	19	22	8.0	7.9	8.0
08/05/21	7	22	10	16	8.0	7.8	7.9
15/05/21	3*	12	7	9	7.9	7.9	7.9
22/05/21	6*	14	4	10	8.0	7.9	8.0
29/05/21	7	16	5	9	8.0	7.7	7.9
05/06/21	7	16	10	13	8.0	7.8	7.9
12/06/21	7	20	12	16	8.0	7.8	7.9
19/06/21	7	24	15	20	7.9	7.8	7.9
26/06/21	7	16	5	11	8.0	7.7	7.8

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 : April – June 2021

Sampling date		12/4/2021	3/5/2021	8/6/2021
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	68	61	59
Cyanide,	mg/L	0.02	0.02	0.02

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