

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



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

Operational Phase

Quarterly Environmental Monitoring & Audit Report

January – March 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 (January to March 2021)
Date	29 June 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 January to March 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 L2 was fully available in the reporting period. Units L4 and L5 were out of service during the following period:

Unit	Period	Remark
L4	29/01/2021 18:09 to 31/01/2021 23:59	Unit overhaul
L4	01/02/2021 00:01 to 24/02/2021 10:45	Unit overhaul
L4	26/03/2021 20:30 to 29/03/2021 07:27	Defect rectification
L5	01/01/2021 00:01 to 02/01/2021 09:46	Unit overhaul
L5	05/01/2021 19:18 to 10/01/2021 15:30	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	Valid Period	Issued To	Date of
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	No.	From	To		Issuance
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 no environmental complaint / feedback case regarding the operation of Lamma Power Station.

Future key issues

Key issues to be considered in the coming months include:

Air Impact

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

Water Impact

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

Concluding Remarks

The environmental performance of the projects was generally satisfactory.

1. INTRODUCTION

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

This report summarizes the environmental monitoring and audit work for the said Projects for the period from January to March 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 SO₂ emissions from Lamma Power Station. The process adopted for the FGD plants is “Wet Limestone-Gypsum”, a technology which has already been used in, and proved effective and reliable for the existing coal-fired units L6, L7 & L8. The flue gas from the boiler is directed to the FGD absorber inside which removal of SO₂ is take place by reaction with limestone slurry. After passing through the absorber, the treated flue gas is heated up by a gas-gas heater to over 80°C at boiler rated capacity and directed back to the existing chimney for discharge to the atmosphere. [Figure 1.1a](#), [Figure 1.1b](#), [Figure 1.2a](#), [Figure 1.2b](#) and [Figure 1.3](#) show the location and schematic of the FGD plants.

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

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

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

1.2 Project Organisation

The management structure to oversee the Projects includes the following:

- Environmental Protection Department (The Authority);

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

The organization chart for the Operation EM&A programme is shown in [Figure 1.5](#).

1.3 Plant Availability during the Reporting Period

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

Unit	Period	Remark
L4	29/01/2021 18:09 to 31/01/2021 23:59	Unit overhaul
L4	01/02/2021 00:01 to 24/02/2021 10:45	Unit overhaul
L4	26/03/2021 20:30 to 29/03/2021 07:27	Defect rectification
L5	01/01/2021 00:01 to 02/01/2021 09:46	Unit overhaul
L5	05/01/2021 19:18 to 10/01/2021 15:30	Defect rectification

1.4 Malfunction/Outage Records of Pollution Control Equipment

Equipment	Period	Cause	Actions Taken
L5 FGD	17:18 on 02/01/2021 to 18:00 on 06/01/2021	FGD plant was bypassed due to low seal air differential pressure at booster fan inlet	EPD was informed on 08/01/2021
L5 FGD	00:53 on 16/01/2021 to 00:55 on 16/01/2021	Routine Dampers Exercise	EPD was informed on 02/02/2021
L5 FGD	05:31 on 20/03/2021 to 05:35 on 20/03/2021	Routine Dampers Exercise	EPD was informed on 30/03/2021

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.

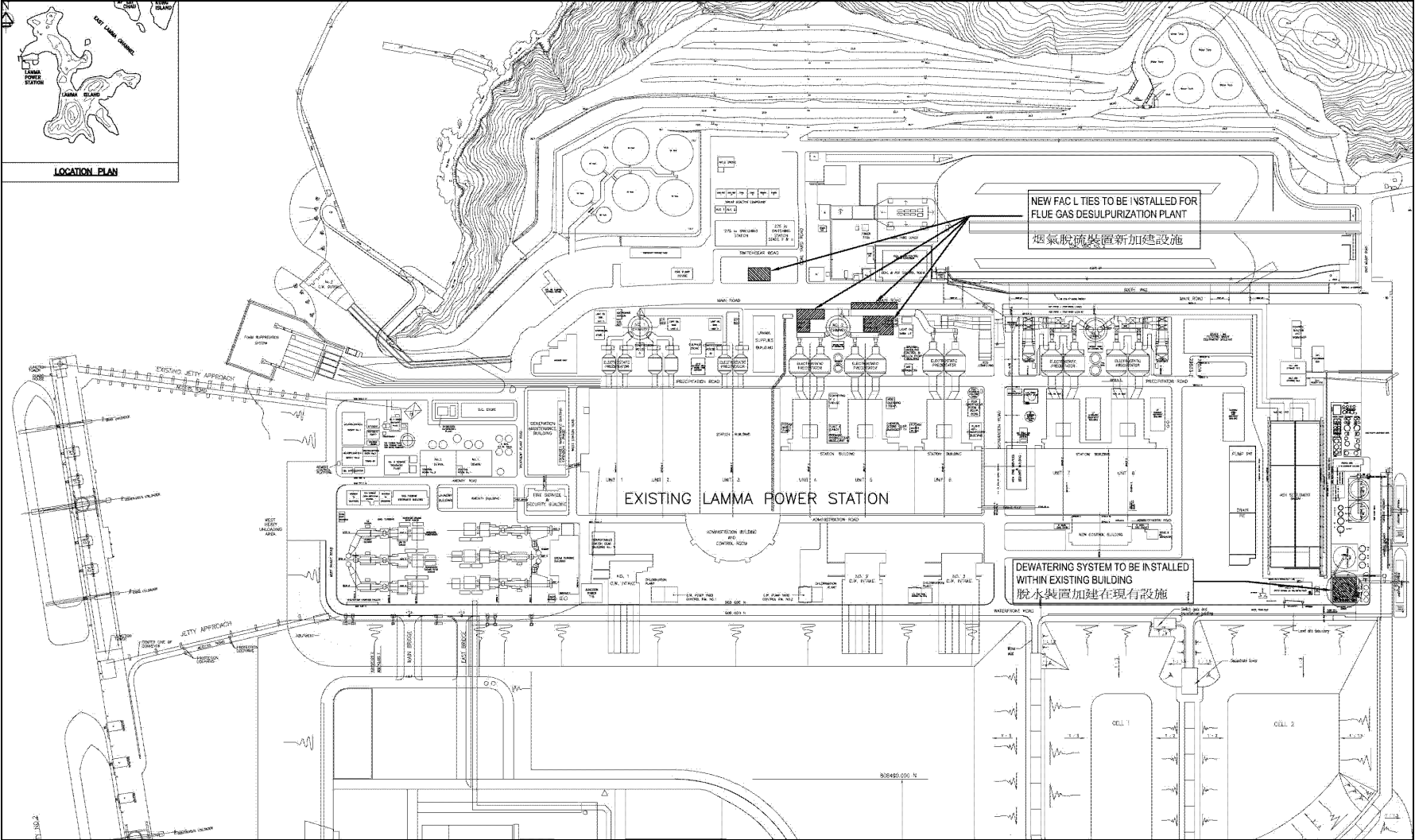


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

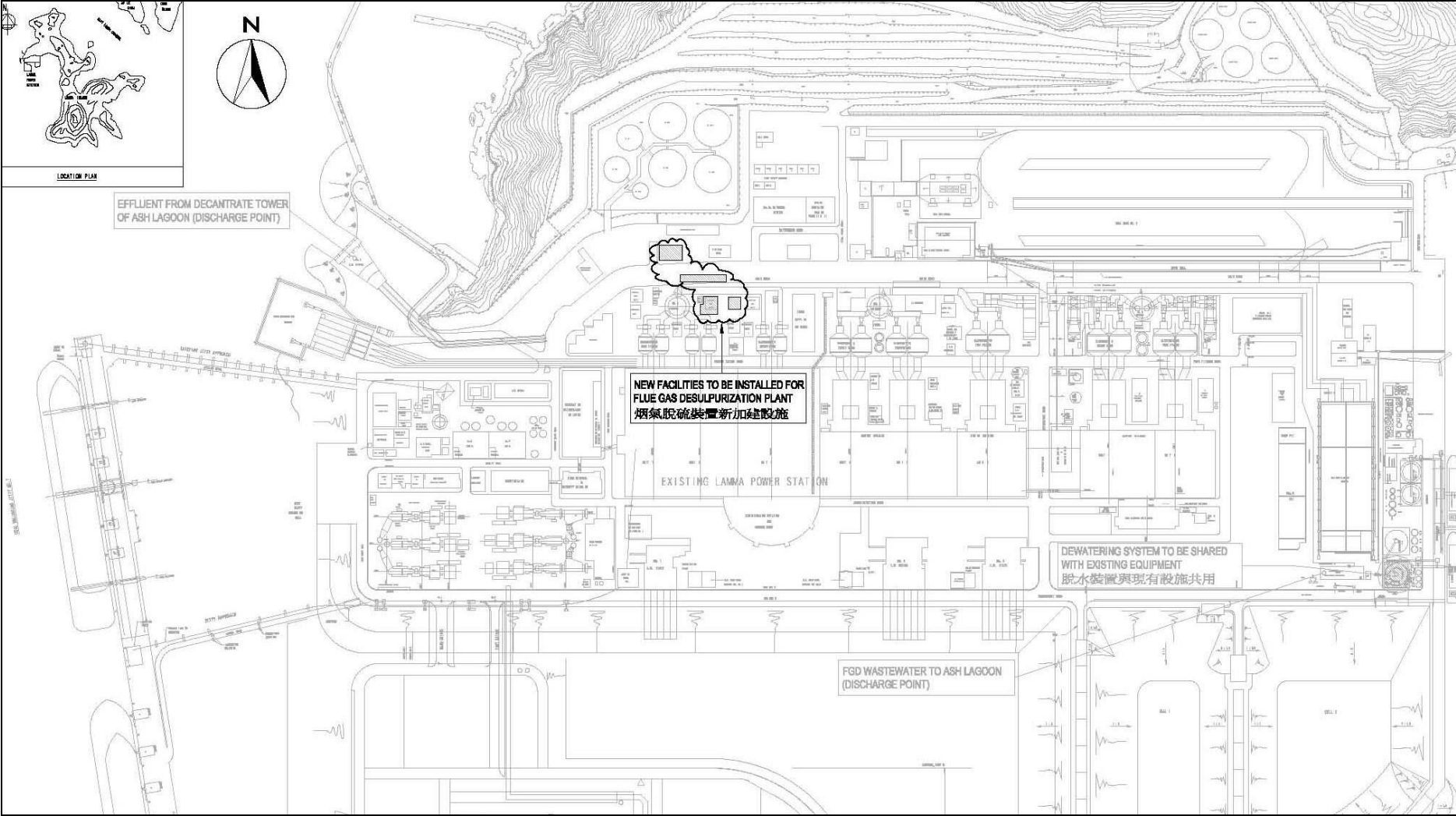


Figure 1.1b Location of New Facilities for L2 FGD Plant

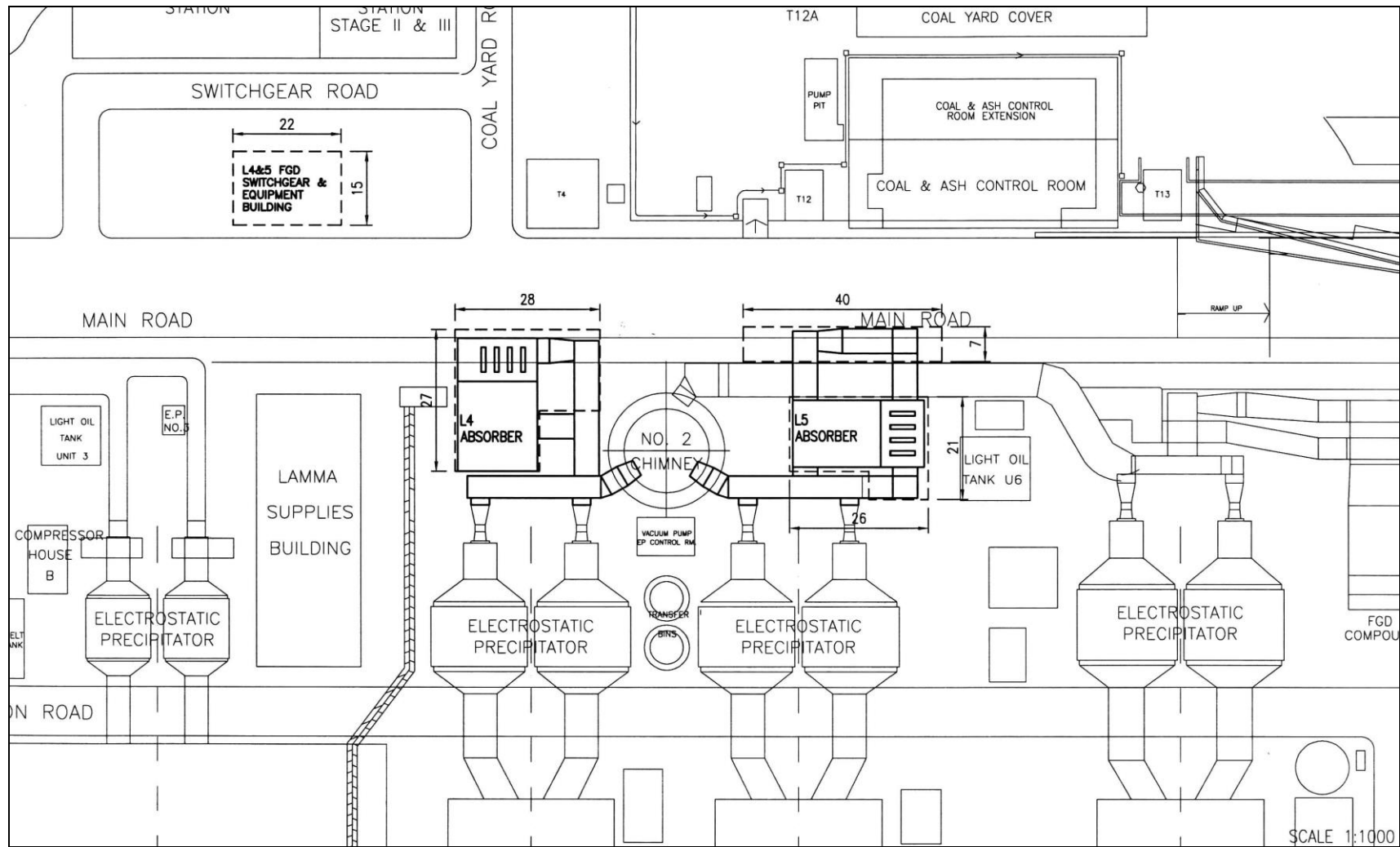


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

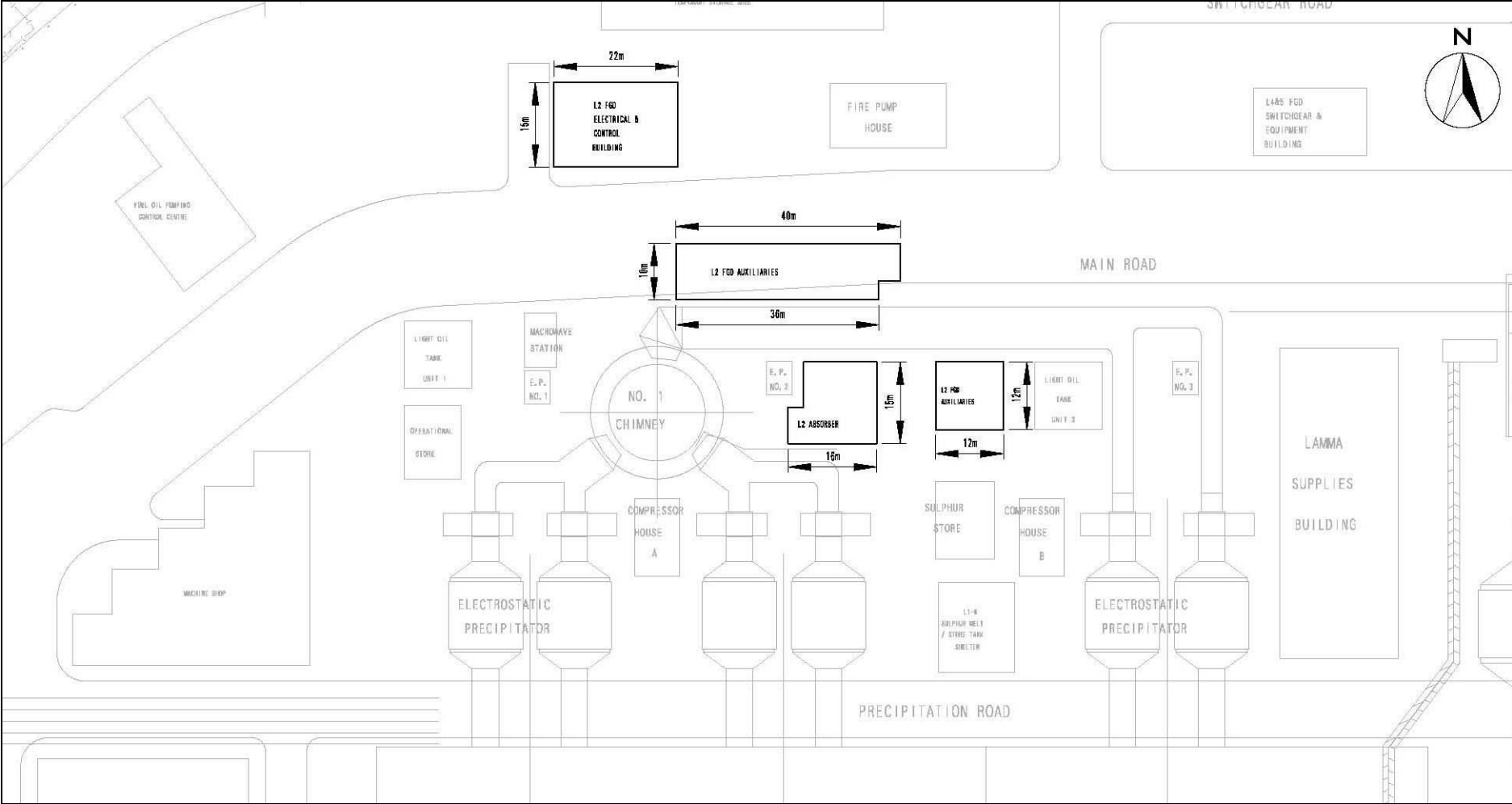


Figure 1.2b General Arrangement of L2 FGD Plant

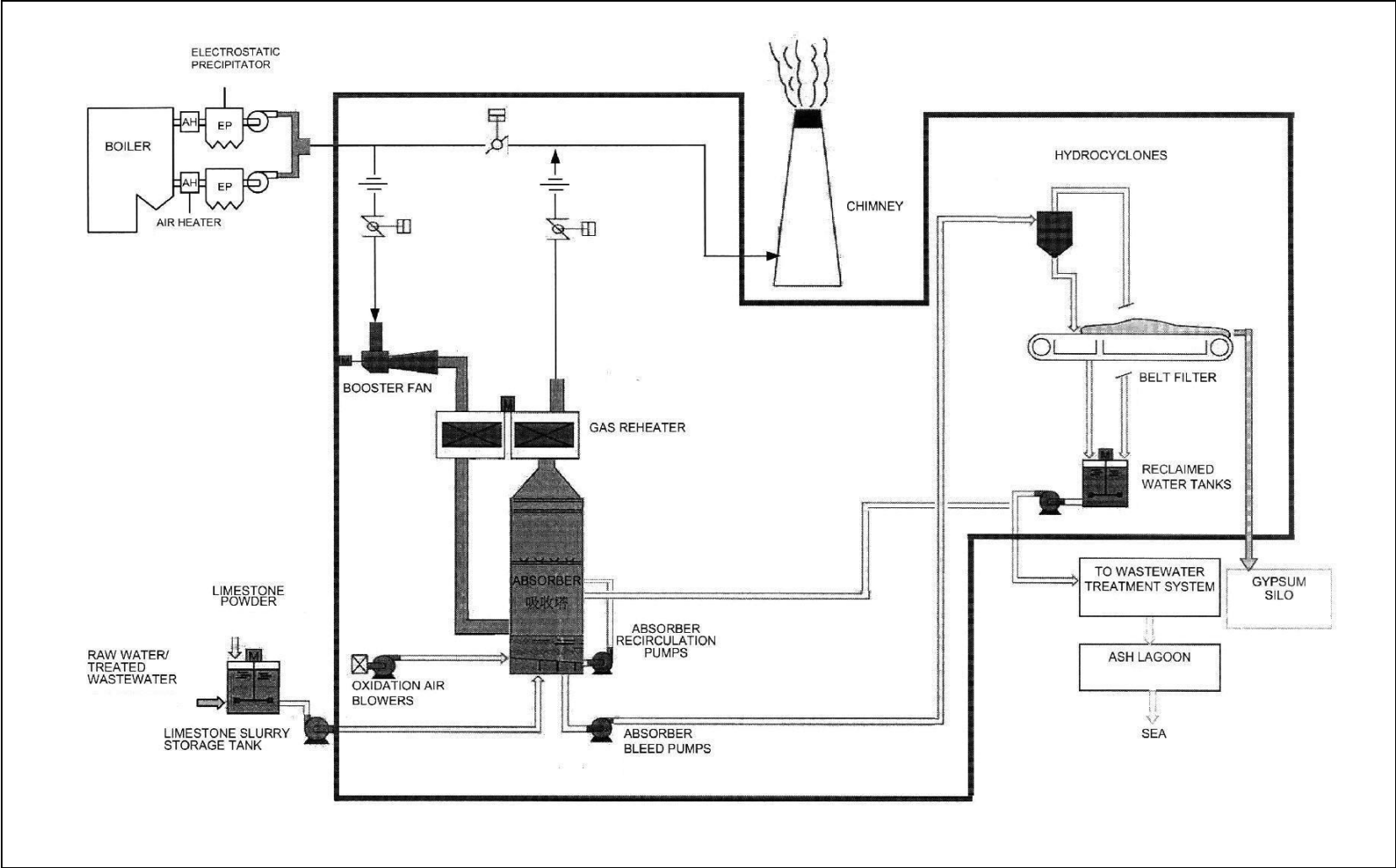


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

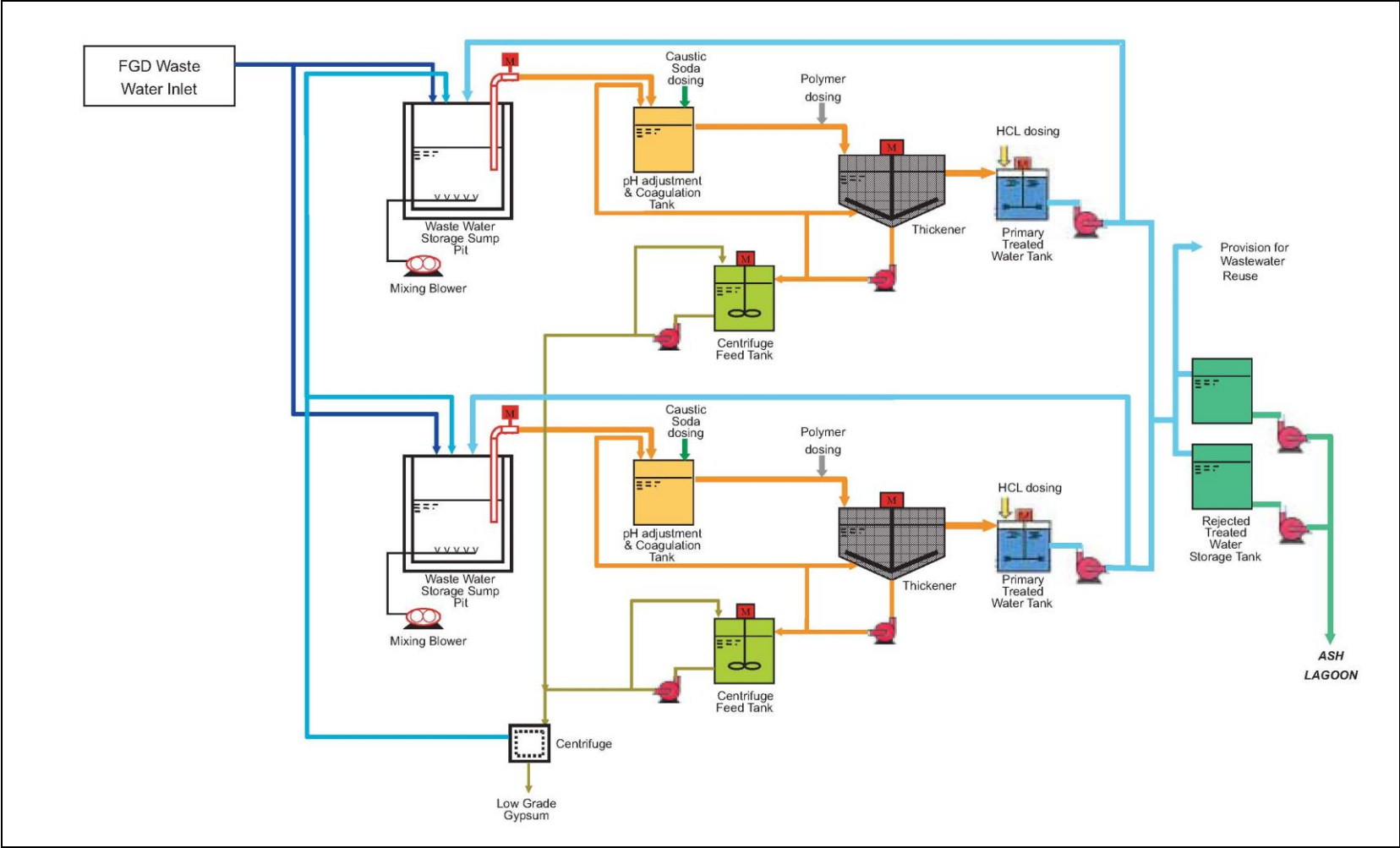


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

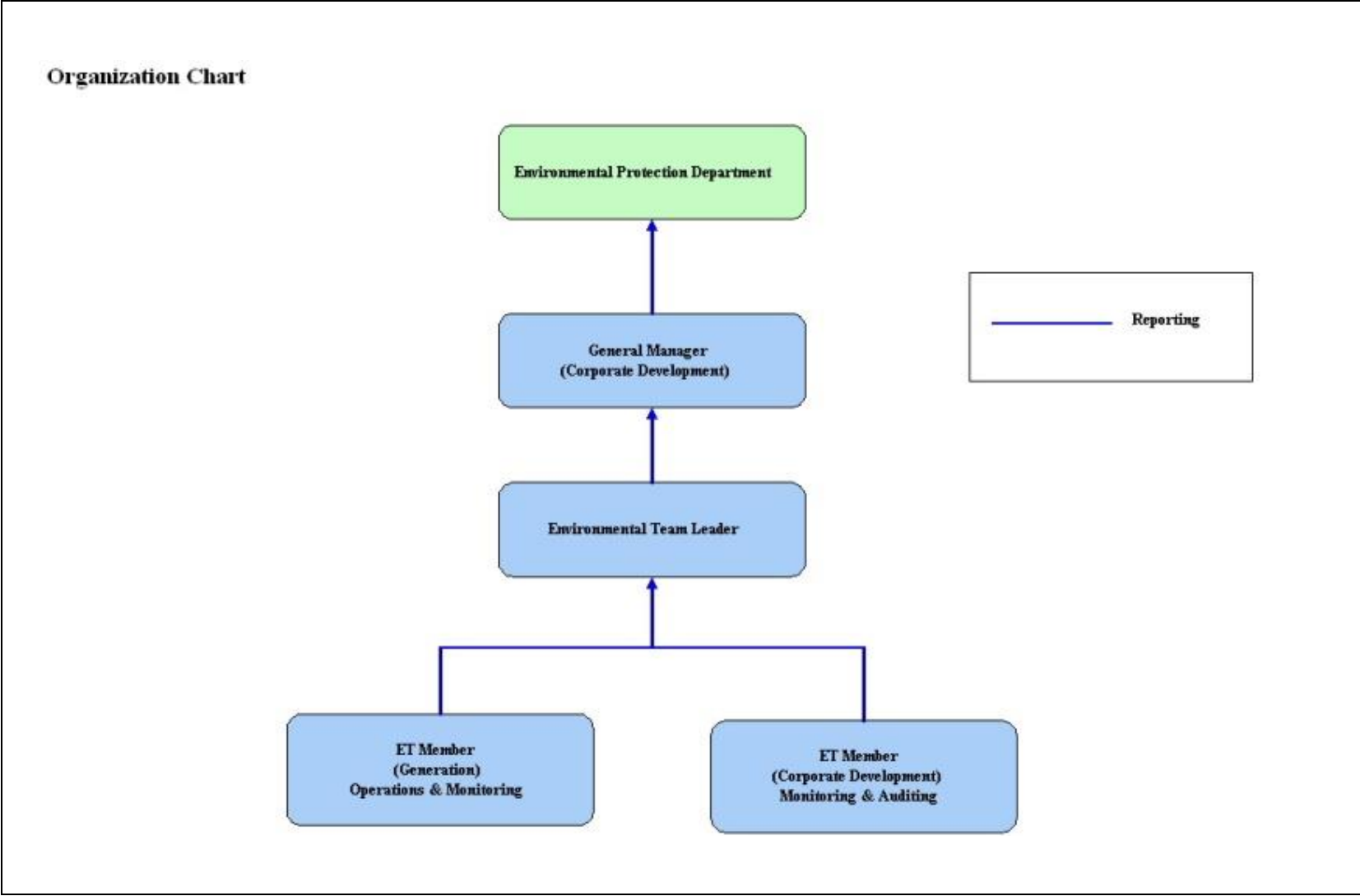


Figure 1.5 Organization Structure at Operational Phase of the Projects

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 ₂	Continuous
	NO _x expressed as NO ₂ (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 ₂	
	NO ₂	

2.2 Summary of Results and Observations

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

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

3. WATER QUALITY

3.1 Monitoring Requirements

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

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

Table 3.1 Water Quality Monitoring Parameters and Frequencies

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

3.2 Summary of Results and Observations

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

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

4. ENVIRONMENTAL AUDIT

4.1 Review of Environmental Monitoring Procedures

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

4.2 Assessment of Environmental Monitoring Results

Monitoring results for Air Quality and Water Quality

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

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

Item	Parameter Monitored	Monitoring Period	No. of Exceedances In		Event/Action Plan Implementation Status and Results
			Action Level	Limit Level	
Air					
1	Annual analysis of dust particulate emission rates at chimney stacks.	01/01/21-31/03/21	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	01/01/21-31/03/21	0	0	
3	Ambient SO2 & NOx monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and Cheung Chau.	01/01/21-31/03/21	0	0	
Water					
1	pH in WWTP Effluent	01/01/21-31/03/21	0	0	
2	Suspended Solids in WWTP Effluent	01/01/21-31/03/21	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	01/01/21-31/03/21	0	0	
4	Barium in WWTP Effluent	01/01/21-31/03/21	0	0	
5	Mercury in WWTP Effluent	01/01/21-31/03/21	0	0	
6	Cadmium in WWTP Effluent	01/01/21-31/03/21	0	0	
7	Cyanide in WWTP Effluent	01/01/21-31/03/21	0	0	
8	Total Phosphorus in WWTP Effluent	01/01/21-31/03/21	0	0	
9	Total Nitrogen in WWTP Effluent	01/01/21-31/03/21	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
January 2021	3,011.11 MT	49.73 MT
February 2021	2,859.12 MT	49.73 MT
March 2021	3,017.38 MT	37.21 MT

4.3 Status of Environmental Licensing and Permitting

All permits/licenses obtained as of March 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 no environmental complaint / feedback case regarding the operation of Lamma Power Station.

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

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

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 January to March 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 no environmental complaint / feedback case regarding the operation of Lamma Power Station.

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 ³	-	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 ₂	continuous	200 mg/Nm ³ (1h)	190	200	
	NO _x expressed as NO ₂ (For L4 and L5 only)	continuous	615 mg/Nm ³ (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 ₂		800 (µg/m ³) (1h)	-	800	
	NO ₂		300 (µg/m ³) (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: First Quarter of 2021 (January – March)

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/01/2021	17	36
02/01/2021	19	34
03/01/2021	25	42
04/01/2021	28	45
05/01/2021	31	60
06/01/2021	23	38
07/01/2021	32	62
08/01/2021	21	49
09/01/2021	19	37
10/01/2021	21	36
11/01/2021	21	48
12/01/2021	28	53
13/01/2021	27	47
14/01/2021	30	44
15/01/2021	25	39
16/01/2021	26	44
17/01/2021	57	109
18/01/2021	46	85
19/01/2021	28	51
20/01/2021	20	36
21/01/2021	21	34
22/01/2021	33	60
23/01/2021	26	45
24/01/2021	20	30
25/01/2021	21	31
26/01/2021	23	37
27/01/2021	24	38
28/01/2021	25	37
29/01/2021	21	37
30/01/2021	33	66
31/01/2021	18	33

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/02/2021	18	29
02/02/2021	26	40
03/02/2021	27	48
04/02/2021	19	45
05/02/2021	24	36
06/02/2021	24	36
07/02/2021	24	36
08/02/2021	22	35
09/02/2021	25	47
10/02/2021	18	19
11/02/2021	11	15
12/02/2021	19	28
13/02/2021	17	27
14/02/2021	17	29
15/02/2021	22	40
16/02/2021	20	30
17/02/2021	20	30
18/02/2021	27	43
19/02/2021	22	38
20/02/2021	24	38
21/02/2021	23	33
22/02/2021	20	34
23/02/2021	22	29
24/02/2021	20	32
25/02/2021	14	22
26/02/2021	16	21
27/02/2021	13	20
28/02/2021	14	23

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/03/2021	16	22
02/03/2021	19	29
03/03/2021	16	31
04/03/2021	21	37
05/03/2021	23	35
06/03/2021	18	21
07/03/2021	9	14
08/03/2021	13	21
09/03/2021	21	36
10/03/2021	19	33
11/03/2021	16	27
12/03/2021	19	25
13/03/2021	19	31
14/03/2021	24	39
15/03/2021	18	29
16/03/2021	21	37
17/03/2021	26	25
18/03/2021	41	24
19/03/2021	8	19
20/03/2021	14	27
21/03/2021	22	46
22/03/2021	18	38
23/03/2021	36	71
24/03/2021	38	76
25/03/2021	30	56
26/03/2021	17	39
27/03/2021	18	43
28/03/2021	18	57
29/03/2021	14	49
30/03/2021	13	23
31/03/2021	12	14

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

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

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/1/2021	*	*	*
2/1/2021	67	378	13
3/1/2021	*	*	*
4/1/2021	*	424	11
5/1/2021	22	310	11
6/1/2021	*	*	*
7/1/2021	*	*	*
8/1/2021	*	*	*
9/1/2021	*	*	*
10/1/2021	38	276	12
11/1/2021	29	376	12
12/1/2021	35	410	12
13/1/2021	23	336	12
14/1/2021	35	380	11
15/1/2021	30	331	11
16/1/2021	24	321	12
17/1/2021	19	317	12
18/1/2021	20	296	11
19/1/2021	22	360	12
20/1/2021	27	380	12
21/1/2021	29	303	12
22/1/2021	26	310	12
23/1/2021	26	370	11
24/1/2021	24	383	11
25/1/2021	27	420	11
26/1/2021	30	378	12
27/1/2021	36	345	12
28/1/2021	85	359	12
29/1/2021	26	315	12
30/1/2021	16	294	11
31/1/2021	22	378	10

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/2/2021	10	263	12
2/2/2021	10	213	13
3/2/2021	13	261	12
4/2/2021	12	256	12
5/2/2021	14	247	11
6/2/2021	13	301	12
7/2/2021	15	256	12
8/2/2021	10	239	12
9/2/2021	10	214	12
10/2/2021	11	200	12
11/2/2021	17	309	11
12/2/2021	*	*	*
13/2/2021	*	*	*
14/2/2021	*	*	*
15/2/2021	*	*	*
16/2/2021	*	*	*
17/2/2021	9	250	11
18/2/2021	36	388	11
19/2/2021	41	258	12
20/2/2021	38	259	12
21/2/2021	*	*	*
22/2/2021	34	177	12
23/2/2021	19	215	11
24/2/2021	20	303	11
25/2/2021	9	302	12
26/2/2021	7	208	13
27/2/2021	*	*	*
28/2/2021	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/3/2021	*	*	*
2/3/2021	*	*	*
3/3/2021	*	*	*
4/3/2021	7	329	11
5/3/2021	17	375	11
6/3/2021	7	256	12
7/3/2021	19	349	11
8/3/2021	15	262	11
9/3/2021	17	293	11
10/3/2021	34	348	13
11/3/2021	13	286	11
12/3/2021	12	394	12
13/3/2021	12	249	12
14/3/2021	7	229	11
15/3/2021	16	306	11
16/3/2021	15	361	12
17/3/2021	23	304	12
18/3/2021	17	384	12
19/3/2021	9	324	13
20/3/2021	11	338	11
21/3/2021	32	343	11
22/3/2021	22	302	11
23/3/2021	20	272	11
24/3/2021	43	281	11
25/3/2021	22	404	11
26/3/2021	23	378	10
27/3/2021	39	300	11
28/3/2021	65	250	12
29/3/2021	77	304	12
30/3/2021	113	341	12
31/3/2021	103	335	12

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

* - Unit L5 was not on load

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

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/1/2021	*	*	*
2/1/2021	60	447	15
3/1/2021	46	377	15
4/1/2021	13	322	10
5/1/2021	15	248	8
6/1/2021	7	217	8
7/1/2021	6	252	8
8/1/2021	42	368	11
9/1/2021	34	356	15
10/1/2021	40	370	14
11/1/2021	29	233	13
12/1/2021	27	270	12
13/1/2021	16	259	9
14/1/2021	13	254	8
15/1/2021	13	254	13
16/1/2021	22	302	15
17/1/2021	*	*	*
18/1/2021	11	246	8
19/1/2021	22	367	9
20/1/2021	20	380	13
21/1/2021	24	220	15
22/1/2021	24	320	15
23/1/2021	20	375	11
24/1/2021	*	*	*
25/1/2021	20	369	9
26/1/2021	23	312	23
27/1/2021	29	273	13
28/1/2021	37	259	13
29/1/2021	34	471	12
30/1/2021	*	*	*
31/1/2021	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/2/2021	*	*	*
2/2/2021	*	*	*
3/2/2021	*	*	*
4/2/2021	*	*	*
5/2/2021	*	*	*
6/2/2021	*	*	*
7/2/2021	*	*	*
8/2/2021	*	*	*
9/2/2021	*	*	*
10/2/2021	*	*	*
11/2/2021	*	*	*
12/2/2021	*	*	*
13/2/2021	*	*	*
14/2/2021	*	*	*
15/2/2021	*	*	*
16/2/2021	*	*	*
17/2/2021	*	*	*
18/2/2021	*	*	*
19/2/2021	*	*	*
20/2/2021	*	*	*
21/2/2021	*	*	*
22/2/2021	*	*	*
23/2/2021	*	*	*
24/2/2021	60	311	10
25/2/2021	*	*	*
26/2/2021	*	*	*
27/2/2021	49	403	14
28/2/2021	27	290	8

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/3/2021	21	286	8
2/3/2021	23	400	7
3/3/2021	20	380	8
4/3/2021	36	378	8
5/3/2021	*	*	*
6/3/2021	*	*	*
7/3/2021	*	*	*
8/3/2021	19	278	9
9/3/2021	27	338	9
10/3/2021	41	345	8
11/3/2021	48	322	8
12/3/2021	49	402	8
13/3/2021	43	360	8
14/3/2021	19	271	8
15/3/2021	12	325	9
16/3/2021	19	252	10
17/3/2021	42	289	13
18/3/2021	29	295	10
19/3/2021	20	309	9
20/3/2021	10	315	8
21/3/2021	22	384	8
22/3/2021	16	358	11
23/3/2021	24	395	9
24/3/2021	29	268	11
25/3/2021	16	393	8
26/3/2021	16	395	8
27/3/2021	*	*	*
28/3/2021	*	*	*
29/3/2021	17	260	11
30/3/2021	106	323	8
31/3/2021	117	263	8

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

* - Unit L4 was not on load.

B.2.3 Monthly Summary of Stack SO2 for Unit L2

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) [#]	Opacity (%)
1/1/2021	96	16
2/1/2021	*	*
3/1/2021	*	*
4/1/2021	*	*
5/1/2021	*	*
6/1/2021	57	15
7/1/2021	53	14
8/1/2021	75	14
9/1/2021	63	15
10/1/2021	*	*
11/1/2021	*	*
12/1/2021	*	*
13/1/2021	*	*
14/1/2021	*	*
15/1/2021	*	*
16/1/2021	35	14
17/1/2021	*	*
18/1/2021	*	*
19/1/2021	*	*
20/1/2021	*	*
21/1/2021	*	*
22/1/2021	*	*
23/1/2021	24	14
24/1/2021	*	*
25/1/2021	*	*
26/1/2021	*	*
27/1/2021	*	*
28/1/2021	*	*
29/1/2021	*	*
30/1/2021	85	14
31/1/2021	*	*

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

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

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

* - Unit L2 was not on load.

B.2.4 Summary of Annual Stack Particulate Sampling

No annual stack particulate samplings were conducted in the period January 2021 to March 2021.

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

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

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
11	11	11	11	16	16	17	17	6	-	21	8	-	16	1	99	0

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

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

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 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	37	17	8	7	7	8	17	37	36	26	25	20	20	28	36	48	47	63	64	76	79	48	46	34	35
2	22	18	24	18	13	9	18	40	45	43	33	21	17	18	14	16	17	28	23	14	10	6	8	5	20
3	4	3	1	0	1	5	14	19	31	24	22	21	22	33	61	76	68	48	57	42	13	21	22	15	26
4	6	9	7	8	7	9	18	36	44	42	39	25	11	18	25	51	56	56	96	191	208	126	M	20	48
5	13	13	9	10	12	14	33	81	104	107	81	78	69	42	45	54	49	67	90	95	109	31	12	9	51
6	5	M	1	1	5	11	13	24	40	34	35	30	13	15	15	13	22	29	19	24	19	14	9	8	17
7	5	54	6	4	8	10	17	35	57	62	54	46	39	34	44	58	57	59	67	64	52	48	41	34	40
8	30	22	14	10	8	6	10	24	34	44	46	41	35	37	33	34	36	41	48	41	31	21	17	16	28
9	15	10	9	15	13	12	16	30	39	50	43	21	14	18	21	40	50	46	55	66	57	51	42	29	32
10	28	22	13	7	7	9	15	31	33	28	16	11	11	13	15	33	38	41	56	65	53	54	51	50	29
11	47	40	25	13	10	8	13	25	40	40	27	32	34	32	36	37	39	46	50	44	32	28	27	19	31
12	18	12	9	6	6	8	14	26	29	32	39	36	35	27	25	41	49	57	77	75	44	39	40	41	33
13	39	25	41	18	7	6	3	13	19	66	62	44	21	24	28	27	17	25	31	60	99	85	89	30	37
14	29	1	8	28	23	24	12	20	23	52	97	87	57	64	77	53	81	66	69	89	59	112	62	32	51
15	23	14	6	3	1	2	5	15	32	55	58	51	56	41	32	50	58	112	174	59	83	81	37	33	45
16	30	34	31	9	4	4	0	6	27	34	9	5	8	12	5	4	4	4	6	7	6	5	11	11	
17	5	3	5	4	4	5	8	18	32	32	29	29	25	32	31	37	50	58	55	41	39	32	28	26	
18	22	20	15	13	16	15	22	49	73	74	68	73	66	64	51	41	40	39	45	67	82	80	35	22	46
19	10	10	8	4	5	5	9	21	35	29	18	16	12	24	23	44	35	50	26	16	15	6	5	2	18
20	1	0	0	0	0	0	0	4	12	18	22	21	9	14	23	19	22	16	15	6	6	4	7	13	10
21	4	2	0	0	0	0	0	7	8	13	16	14	4	19	34	36	34	33	18	13	50	57	54	17	18
22	110	95	77	70	34	31	24	18	33	65	86	75	82	70	57	51	75	72	72	75	64	50	18	9	59
23	32	51	32	26	22	46	90	95	81	67	51	46	45	72	61	58	59	60	72	54	81	41	24	31	54
24	33	6	11	16	8	3	4	8	10	4	9	11	7	5	7	10	6	9	12	8	7	6	6	6	9
25	4	3	2	3	3	2	3	5	12	16	25	20	15	3	7	10	14	24	36	16	3	1	0	1	10
26	0	2	0	0	0	0	0	0	7	15	12	15	18	26	28	15	24	48	42	25	14	19	12	18	14
27	28	41	6	0	0	0	0	0	3	5	3	3	1	1	1	0	1	3	1	0	0	0	0	1	4
28	0	0	0	0	0	0	0	4	9	23	20	8	10	15	19	M	27	20	9	9	11	11	6	7	9
29	0	0	0	0	0	0	0	1	5	5	3	0	0	0	0	0	2	4	2	2	2	1	0	2	1
30	1	0	0	0	0	0	0	1	6	9	7	10	11	5	5	11	22	12	23	23	18	12	10	17	8
31	1	0	0	2	3	2	1	3	10	8	11	6	3	5	5	9	14	16	7	7	5	3	4	6	5

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
18	18	27	18	62	77	95	108	0	-	208	1	-	59	3	100	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: FEBRUARY

YEAR : 2021

UNIT : MICROGRAMS/CUBIC METER

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

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	9	9	9	8	8	10	14	12	8	9	11	19	21	21	16	17	29	44	33	17	12	13	16
2	16	15	16	14	12	10	9	9	12	13	14	14	10	9	11	11	13	14	12	13	13	11	10	9	12
3	9	10	10	8	7	8	8	9	10	10	16	14	14	13	13	14	17	15	15	14	16	18	16	12	12
4	12	13	13	16	15	15	22	28	27	26	20	14	13	14	14	16	18	19	30	33	24	20	20	18	19
5	17	13	12	13	18	21	24	35	27	30	23	22	21	17	20	19	19	34	32	34	20	14	11	10	21
6	10	M	9	9	12	16	18	18	21	21	20	15	12	13	13	13	15	15	14	12	11	10	9	9	14
7	10	9	8	11	17	17	18	22	18	18	19	19	18	18	19	23	34	37	40	29	24	25	26	23	21
8	22	17	15	15	15	16	15	19	27	30	30	33	34	37	35	32	40	34	30	31	25	18	14	13	25
9	12	11	11	12	12	14	17	17	21	14	11	12	12	11	12	13	19	20	23	25	27	21	22	26	16
10	25	18	14	14	14	15	16	16	15	14	14	12	11	13	17	20	27	27	30	35	35	20	18	18	19
11	22	21	16	17	17	17	18	24	31	33	39	24	23	22	24	26	26	22	23	21	23	21	21	21	23
12	15	13	12	12	13	12	13	15	13	14	16	21	23	23	29	50	45	56	54	35	21	17	11	12	23
13	13	12	11	12	12	13	12	18	30	24	20	16	14	11	12	14	17	21	13	17	46	17	13	13	17
14	13	10	14	15	16	26	33	61	57	54	21	20	19	20	20	19	20	20	10	9	9	8	8	11	21
15	15	13	15	13	12	13	15	17	18	17	14	15	16	15	16	16	19	28	29	35	44	43	49	56	23
16	47	30	21	14	14	12	11	12	13	13	14	14	M	13	11	9	10	11	12	12	11	11	10	11	15
17	10	11	11	11	11	11	11	13	22	24	28	26	26	25	24	25	28	28	29	22	20	21	18	20	20
18	16	14	15	15	16	13	14	19	21	33	45	61	46	20	15	17	25	22	20	20	23	16	23	17	23
19	15	16	12	12	13	13	12	13	15	11	10	14	14	13	11	12	15	20	20	16	13	10	10	8	13
20	8	M	9	7	7	7	8	10	10	10	11	10	10	10	12	13	14	12	11	13	10	10	9	10	10
21	12	11	9	8	8	8	8	9	9	10	11	11	9	9	10	12	16	19	11	16	74	86	69	65	21
22	90	99	121	135	136	137	131	114	110	105	90	78	67	62	88	99	98	70	75	82	102	103	85	99	99
23	84	93	81	91	91	89	88	78	74	74	74	84	69	46	43	51	60	68	48	36	18	16	15	15	62
24	19	20	18	14	16	13	13	14	11	12	11	11	11	12	12	12	14	14	15	13	14	13	13	12	14
25	11	11	10	11	10	11	10	11	11	11	11	12	13	15	13	13	16	17	23	17	12	16	13	15	13
26	12	13	12	11	10	12	15	10	13	19	22	15	15	16	16	18	24	21	22	22	53	80	93	63	25
27	42	57	29	11	9	13	12	13	14	14	15	14	14	12	12	15	15	16	17	15	15	14	12	16	17
28	14	15	12	12	12	12	14	15	21	26	27	36	41	45	49	38	59	53	76	28	27	19	17	13	28
29	13	12	10	10	9	10	10	13	13	14	12	11	12	14	14	14	14	16	14	11	13	12	11	10	12
30	10	9	9	9	8	9	8	9	11	10	11	10	10	11	12	13	13	11	11	11	10	11	11	14	10
31	11	10	10	9	8	8	8	9	10	10	10	8	10	9	10	11	8	8	9	6	7	9	9	8	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		
17	15	22	15	42	74	93	108	6	-	137	9	-	99	2	100	0

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : 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	2	1	2	2	1	1	1	2	2	1	2	2	2	2	2	2	3	2	3	3	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	1	0	1	1	1	1	1	2
3	1	1	1	1	1	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
4	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	2	2	2	3	3	2	2	2	2
5	1	1	1	1	1	1	2	3	4	4	4	4	4	4	4	3	3	2	2	2	2	2	2	1	1
6	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1	2	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	1
9	1	1	1	2	2	2	1	1	1	2	2	1	1	1	1	2	1	1	1	2	2	2	2	2	1
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	3	2
11	2	1	2	2	2	2	2	1	1	2	2	2	2	1	2	2	1	2	2	2	2	2	2	3	2
12	2	3	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2
13	2	2	1	2	1	1	2	2	2	4	4	3	2	2	2	M	4	M	M	M	M	M	M	M	M
14	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	3	3	3	3	2	2	3	3	
15	3	2	2	2	2	3	2	2	3	3	3	5	4	3	3	3	3	3	3	2	2	2	2	3	3
16	2	2	3	3	3	3	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	3	4	4	4	4	3	3	3	3	3	3	3	3	3	2	3	3
18	3	2	2	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	2	2	2	2	2	3	3
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2
21	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	2	2	3	3	4	2
22	3	2	3	2	3	3	3	4	4	5	5	5	4	4	3	3	3	3	2	3	3	3	3	3	3
23	3	3	3	3	4	4	4	4	4	4	4	5	5	4	3	3	3	3	3	2	2	2	2	2	3
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	3	3	3	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	3	3	4	3	4	2	4	3	3	2	2	3	3	3	3	3
27	3	3	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	2	2	2	2	2	2	2	2	3	3	4	3	4	4	3	3	3	2	2	2	2	3	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	3	2
31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	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	
2	2	2	2	3	4	4	4	0	-	5	1	-	3	1	92	0

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

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

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----								RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
11	10	14	10	35	39	47	49	0	-	58	5	-	38	2	92	0

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

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

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021
UNIT : MICROGRAMS/CUBIC METER

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

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

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

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	20	19	21	19	18	18	24	33	29	28	29	28	31	31	32	37	44	47	49	70	81	60	37	29	35
2	26	25	29	29	25	19	31	55	63	56	38	20	18	19	24	26	22	27	33	30	25	21	19	14	29
3	13	12	9	7	9	13	17	22	28	38	22	34	60	65	56	27	48	68	72	55	25	27	27	16	32
4	15	14	15	16	17	17	28	34	51	50	35	21	18	19	26	31	40	35	101	161	153	143	95	23	48
5	18	19	18	17	20	24	42	71	87	83	72	77	51	34	36	M	37	38	66	90	91	70	28	18	48
6	13	10	9	9	11	15	20	31	33	35	28	29	20	19	22	19	22	31	27	35	25	23	18	12	22
7	12	12	9	10	13	16	28	51	61	60	47	45	40	41	51	63	63	64	69	54	51	48	44	36	41
8	32	25	23	19	19	19	24	35	48	46	45	42	37	40	43	45	45	47	49	46	36	26	24	22	35
9	21	21	22	27	24	22	26	38	43	48	44	28	14	19	23	39	43	48	50	54	50	42	38	24	34
10	27	M	25	19	16	22	27	33	32	32	21	17	18	20	28	33	40	46	51	53	51	49	44	47	33
11	46	38	26	20	20	19	28	39	49	50	50	47	44	42	40	41	44	50	52	44	38	33	37	28	39
12	26	21	18	16	21	19	26	37	36	44	43	39	35	33	32	45	54	71	63	68	47	44	66	106	42
13	46	32	36	39	29	24	67	82	66	81	69	40	40	38	18	24	31	38	37	66	55	77	78	55	49
14	47	54	46	35	58	67	70	114	110	109	119	100	80	101	54	51	50	46	76	87	83	80	64	55	73
15	49	41	30	52	58	75	56	90	97	83	83	102	77	27	28	48	46	62	107	123	132	148	114	136	78
16	129	137	148	104	73	82	35	13	21	38	31	18	18	18	17	14	14	14	14	15	14	13	13	13	42
17	13	11	12	12	13	13	15	25	34	35	35	34	34	31	32	30	34	51	48	45	44	37	31	30	29
18	25	21	22	23	23	22	33	59	75	70	55	48	61	60	47	35	34	54	35	49	77	82	67	20	46
19	17	15	13	13	13	13	17	21	26	27	17	17	20	18	27	32	38	80	48	25	24	17	11	9	23
20	9	8	7	7	7	7	8	11	13	18	22	18	15	14	21	16	18	24	66	35	19	30	21	23	18
21	16	12	8	8	7	6	10	10	14	17	17	25	19	13	38	38	60	73	83	90	110	155	129	177	47
22	156	119	110	102	114	117	123	112	105	101	100	86	78	69	57	60	81	75	88	111	111	111	116	109	100
23	109	108	108	110	111	106	94	84	80	67	50	68	71	61	81	53	52	63	85	83	86	58	41	58	79
24	55	M	102	116	29	14	15	17	17	15	15	15	15	15	14	15	16	17	20	18	17	17	14	12	26
25	12	10	10	12	12	11	11	12	36	49	34	26	28	47	31	26	76	125	128	100	88	75	106	72	47
26	79	55	35	25	24	18	39	89	93	81	74	63	52	53	37	44	83	44	63	98	150	134	107	87	68
27	103	133	122	32	14	14	18	22	27	31	28	26	20	21	20	17	26	30	24	27	33	28	31	28	36
28	33	32	37	35	35	23	23	61	54	71	59	40	72	54	75	46	60	91	97	65	45	42	34	21	50
29	24	17	13	13	15	17	24	36	30	29	25	19	17	17	18	16	13	17	18	20	19	17	14	14	19
30	14	12	12	10	10	12	16	23	34	36	28	25	30	35	24	17	18	16	27	45	28	37	22	14	23
31	14	14	10	9	10	23	22	14	12	11	13	22	12	9	10	13	14	13	15	15	12	12	10	9	13

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
33	32	42	32	87	110	129	146	6	-	177	13	-	100	2	100	0

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

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

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
3	3	3	3	6	7	9	13	0	-	19	1	-	8	2	100	0

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

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

STATION : 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	16	17	11	8	7	12	17	23	18	17	19	20	29	28	25	32	31	30	33	57	58	48	37	29	26
2	25	22	22	19	20	17	25	30	25	21	17	10	10	9	10	10	9	9	14	11	8	6	5	5	15
3	6	6	5	4	5	7	13	23	26	15	15	14	16	21	18	12	13	18	25	29	16	19	15	12	15
4	8	9	9	9	10	13	19	24	24	22	17	9	14	11	9	7	17	29	73	122	72	63	24	13	26
5	12	9	7	9	10	13	31	68	73	81	82	66	24	16	35	37	28	53	46	65	31	21	9	8	35
6	6	M	5	5	5	11	16	19	23	20	15	13	10	6	6	5	7	9	14	20	19	13	11	9	12
7	7	5	4	5	8	12	18	24	32	34	41	42	22	23	63	73	41	48	54	47	36	34	32	27	31
8	24	18	14	12	11	10	13	21	29	36	33	33	31	34	35	36	39	40	44	35	26	20	18	16	26
9	14	13	11	15	14	14	19	27	26	36	27	8	9	10	15	18	24	35	37	43	39	30	21	23	22
10	25	19	13	12	10	13	14	17	20	16	12	9	10	11	15	24	27	35	41	51	45	32	34	35	23
11	34	27	21	17	14	11	15	20	27	36	36	36	33	34	34	M	33	39	39	38	32	26	23	23	28
12	20	16	14	13	12	16	19	27	28	28	27	29	30	28	29	36	51	59	67	63	50	40	30	45	32
13	53	48	28	29	21	19	21	45	42	49	30	22	12	9	8	11	12	15	13	16	62	50	56	53	30
14	28	18	73	31	117	123	122	116	103	98	98	91	95	68	33	36	28	35	55	64	14	29	40	55	65
15	40	30	32	18	37	31	34	43	41	31	22	13	11	12	30	51	28	38	83	79	112	145	129	116	50
16	138	143	104	78	52	20	25	22	14	16	14	10	9	8	10	9	9	9	7	9	10	10	10	11	31
17	9	10	8	9	10	11	11	15	31	31	31	28	28	26	30	29	29	35	36	38	34	31	29	27	24
18	23	22	19	19	19	22	26	38	58	58	59	62	50	33	49	23	24	16	13	27	44	52	35	24	34
19	19	14	12	12	12	15	20	26	24	15	16	15	14	21	15	15	18	33	34	16	12	10	10	10	17
20	8	M	7	6	5	6	8	11	14	14	13	12	11	12	12	14	19	15	26	24	31	12	9	8	13
21	8	7	5	5	6	6	6	11	9	9	7	8	9	12	18	21	50	51	62	62	86	97	103	113	32
22	130	136	135	129	129	128	118	107	98	85	93	76	69	61	56	78	78	66	70	96	90	86	100	96	96
23	93	88	74	86	94	91	82	78	70	59	67	70	57	51	50	47	57	39	23	21	64	62	33	34	62
24	12	10	16	17	25	18	11	13	13	12	12	13	11	10	11	9	10	10	13	12	13	13	12	12	13
25	11	10	10	10	9	11	12	12	13	12	14	11	14	11	9	16	41	78	45	29	12	25	17	17	19
26	13	22	24	19	15	17	36	44	63	76	50	41	22	28	44	37	30	34	39	120	148	118	145	119	54
27	94	81	26	10	8	11	13	19	15	16	13	12	10	11	12	11	11	12	14	16	16	18	14	20	20
28	17	16	23	13	13	13	20	30	40	40	44	44	70	47	51	49	52	70	68	57	41	34	25	26	38
29	20	16	13	12	12	14	22	31	23	18	15	11	12	12	13	14	9	10	12	13	11	10	10	12	14
30	11	11	10	9	7	10	10	12	18	17	17	16	12	11	11	12	14	9	21	21	18	13	11	13	13
31	12	11	8	8	6	6	8	10	11	9	9	10	7	6	7	6	7	12	7	8	8	9	6	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
21	19	30	19	68	94	120	130	4	-	148	8	-	96	2	100	0

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

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

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

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----RANGE-----													STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
3	2	2	2	5	6	8	9	0	-	11	0	-	5	2	100	0

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

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

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	34	35	26	25	22	28	30	41	35	26	24	31	38	31	30	26	34	44	40	34	41	58	50	39	34
2	25	30	30	23	27	29	31	39	40	49	37	41	43	37	15	4	4	12	17	26	20	18	19	19	26
3	10	6	17	24	19	20	22	38	45	61	64	49	28	25	13	19	18	20	21	23	19	25	49	38	28
4	11	10	19	32	33	42	48	54	67	70	78	37	12	8	11	13	19	17	22	28	33	39	70	27	33
5	26	27	21	11	18	40	76	101	69	60	50	69	64	21	9	18	17	25	43	36	53	20	14	17	38
6	8	8	8	6	11	71	56	61	68	72	52	37	33	M	M	M	4	5	5	13	13	14	7	9	27
7	5	5	2	5	38	46	46	54	46	56	31	37	37	42	48	45	35	37	35	36	33	33	29	20	33
8	14	12	9	10	9	13	14	19	22	32	24	25	28	32	38	46	50	53	43	27	22	18	18	22	25
9	18	14	15	13	11	12	14	20	22	27	34	31	36	20	29	37	51	59	61	60	45	39	50	38	32
10	22	33	21	25	20	31	22	35	29	48	39	17	23	30	38	37	50	53	53	68	70	68	56	35	38
11	32	30	27	19	19	35	36	30	30	41	38	40	37	34	26	28	34	42	39	38	30	24	32	34	32
12	28	22	16	22	21	24	25	35	29	37	33	38	41	48	47	45	56	80	51	96	64	65	47	52	43
13	48	49	46	62	53	49	62	68	52	43	63	47	24	7	6	10	14	19	14	10	50	25	62	51	39
14	44	78	113	69	95	96	108	91	89	106	111	106	30	36	28	29	18	26	23	27	64	90	45	149	70
15	157	144	167	163	132	113	105	87	80	65	67	50	28	19	18	32	42	67	50	97	66	104	55	90	83
16	121	176	197	192	177	186	168	90	106	89	66	20	17	24	22	18	27	31	19	12	9	11	20	75	
17	13	6	22	14	21	13	7	24	45	38	25	27	25	32	41	37	34	34	29	35	31	22	19	24	26
18	16	17	20	17	16	16	17	21	26	41	37	38	35	40	30	21	18	22	24	28	49	58	40	45	29
19	40	45	16	9	10	14	10	10	59	21	18	27	14	9	5	4	6	23	15	24	20	28	12	14	19
20	13	M	6	1	2	5	14	28	25	19	26	32	34	31	32	28	19	10	34	77	94	24	56	23	28
21	16	24	20	8	6	17	37	44	42	14	5	8	14	11	18	13	24	59	126	131	151	189	255	218	60
22	128	127	121	129	117	133	129	107	95	82	75	40	33	33	33	28	43	93	66	52	83	113	119	81	86
23	74	79	82	93	81	100	93	84	73	65	58	57	52	68	51	68	68	64	66	80	113	119	141	131	82
24	77	73	52	53	80	108	64	24	13	13	16	19	27	12	17	12	44	22	14	16	15	17	27	19	35
25	19	16	13	8	14	10	13	17	27	20	19	8	18	18	17	27	28	80	52	30	36	109	114	43	32
26	38	29	32	36	45	52	67	62	26	69	62	42	24	10	10	50	39	66	92	53	85	125	88	57	52
27	80	125	165	87	12	11	14	21	23	24	28	17	19	7	4	4	7	10	10	12	13	31	30	57	34
28	43	20	39	28	14	27	29	45	44	77	57	50	28	31	51	52	58	61	84	104	43	28	37	24	45
29	24	15	13	10	11	14	20	36	52	54	32	23	7	3	7	3	4	6	10	13	11	19	15	23	18
30	10	10	9	7	16	14	8	26	15	23	32	14	7	4	3	6	5	6	9	23	20	36	60	16	16
31	16	24	13	6	7	41	31	12	17	23	14	16	2	2	1	1	8	27	11	10	12	49	53	49	19

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
29	30	40	30	82	113	145	173	1	-	255	16	-	86	2	99	0

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

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

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	16	17	17
2	17	17	17	17	17	16	17	17	17	17	20	19	19	20	19	18	19	19	19	18	18	18	18	18	18
3	17	17	17	17	17	18	18	18	19	19	19	18	19	19	19	19	19	19	18	19	18	18	18	18	18
4	18	18	18	18	19	19	19	19	19	19	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19
5	19	19	19	19	19	19	19	19	19	20	20	20	20	20	21	21	20	20	20	20	20	19	20	20	20
6	20	19	20	19	19	19	19	19	19	20	21	20	21	22	25	26	24	23	21	21	21	21	21	21	21
7	20	21	21	20	20	20	20	20	20	21	21	20	21	21	21	21	21	21	21	21	20	20	20	20	21
8	21	21	20	21	20	21	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21
9	21	21	21	21	21	21	21	21	16	18	13	0	0	0	0	0	0	0	0	0	0	0	0	0	9
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	1
16	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
17	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	0	0	1
18	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
21	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
22	1	1	1	1	1	1	1	1	1	2	2	3	2	2	M	M	M	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	1	10	0	0	0	0	0	0	7	22	22	22	4
27	22	22	22	23	23	22	22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22
28	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	20	19	8	7	5	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		
6	1	8	1	21	22	22	22	0	-	26	0	-	22	4	99	0

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

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

STATION : 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	2	1	1	2	1	1	2	3	7	41	44	53	38	15	9	11	9	12	10	1	1	0	0	4	11
2	0	0	0	0	0	0	0	3	20	40	105	86	63	63	22	6	9	16	16	10	12	9	9	10	21
3	5	M	8	6	6	6	8	10	20	18	8	18	18	19	13	13	21	25	20	11	7	11	13	12	13
4	12	7	5	5	3	2	3	10	25	33	19	30	21	19	21	7	6	9	2	5	8	5	9	11	12
5	7	6	6	3	2	1	1	7	8	10	10	8	10	15	7	10	8	13	15	1	0	0	2	6	7
6	1	0	0	0	0	0	0	0	1	19	68	45	50	62	70	79	49	43	28	17	4	5	0	7	23
7	1	2	0	0	0	0	0	0	2	11	12	16	8	5	7	7	9	8	4	1	1	0	1	2	4
8	0	0	0	1	1	3	5	10	19	19	19	19	14	6	5	7	15	10	14	7	7	6	3	8	8
9	3	1	1	2	2	1	3	9	15	14	17	17	13	12	12	11	11	7	6	5	3	4	3	6	7
10	4	0	2	1	1	0	2	12	23	31	39	25	27	24	33	31	32	44	33	36	37	35	36	27	22
11	17	13	14	15	22	25	39	27	30	28	22	20	19	18	18	17	15	13	16	17	15	17	20	27	20
12	15	10	6	6	4	3	5	9	9	20	21	20	19	20	25	27	45	62	54	14	31	27	25	7	20
13	1	0	0	14	3	6	8	11	8	17	7	M	6	6	10	16	25	35	32	5	1	2	13	14	10
14	10	5	3	0	0	0	0	0	3	18	56	43	29	24	21	18	34	37	58	40	27	14	9	15	19
15	11	2	2	2	3	3	6	18	20	34	41	62	18	0	0	0	2	3	5	6	4	8	13	10	11
16	15	6	5	2	2	1	4	13	17	11	10	12	12	17	17	20	28	37	38	27	17	17	17	30	16
17	21	M	38	72	33	8	9	11	21	20	19	16	15	13	12	18	20	27	12	10	9	8	6	7	18
18	3	4	3	3	2	3	8	12	19	19	16	14	8	10	13	8	8	8	7	7	6	5	5	8	8
19	5	3	3	1	2	1	3	4	13	20	21	17	19	17	12	14	20	22	23	11	5	5	3	10	11
20	7	4	3	2	2	2	3	8	12	30	45	41	29	17	13	13	17	19	27	12	21	15	16	15	16
21	8	0	1	0	0	2	1	5	2	12	16	11	13	9	5	8	9	16	25	6	5	1	1	7	7
22	1	0	0	0	0	0	2	1	19	39	37	45	31	25	M	M	M	29	40	47	8	23	3	1	17
23	0	0	0	0	4	0	10	0	8	41	67	44	17	15	12	11	8	4	7	7	3	4	6	5	11
24	2	1	0	1	1	1	2	7	13	14	11	13	10	13	19	17	10	3	2	5	1	1	0	2	6
25	0	0	0	0	0	0	0	0	1	8	7	10	8	17	9	12	25	26	5	2	0	0	0	2	6
26	0	0	0	0	0	0	0	0	12	18	19	14	9	2	2	3	4	4	8	42	13	14	6	36	9
27	28	24	26	34	32	12	2	3	2	7	9	8	8	9	13	14	14	13	10	9	9	9	9	11	13
28	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	2	3	1

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
9	8	12	8	30	40	55	64	0	-	105	1	-	23	3	99	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: FEBRUARY

YEAR : 2021

UNIT : MICROGRAMS/CUBIC METER

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

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	7	7	6	7	6	6	9	11	23	15	10	8	7	6	8	9	10	10	8	10	8	11	7	9
2	7	9	7	8	10	8	7	13	19	56	73	61	66	54	48	16	12	16	16	12	10	9	8	8	23
3	8	M	11	10	10	10	11	11	9	10	9	9	8	12	10	11	11	11	12	10	11	13	12	10	10
4	10	10	8	8	7	7	7	8	10	11	9	9	9	8	8	10	11	11	12	13	11	10	15	9	10
5	8	9	8	8	7	6	7	8	6	7	7	7	7	8	9	8	10	14	15	14	12	18	26	17	10
6	28	16	13	10	7	11	10	12	19	19	13	17	31	27	11	27	16	61	52	55	28	30	24	20	23
7	20	20	16	19	10	8	10	11	12	12	16	14	9	8	8	10	9	8	8	7	8	9	11	9	11
8	10	9	8	9	8	8	8	8	11	7	8	9	8	9	8	8	8	8	9	7	7	7	7	7	8
9	8	7	6	6	7	7	8	8	9	9	9	9	9	10	10	10	11	11	10	8	8	7	7	6	8
10	7	6	5	6	5	5	6	6	7	11	25	30	14	19	22	16	12	17	17	26	60	62	47	45	20
11	32	25	17	19	18	15	11	11	15	21	23	16	14	15	17	23	23	17	15	15	13	11	10	8	17
12	7	5	6	5	4	5	5	8	9	12	22	33	17	20	18	20	25	11	13	11	11	9	7	6	12
13	8	8	8	5	5	13	13	13	9	9	8	7	5	7	8	9	10	12	11	10	8	6	8	11	9
14	7	6	5	4	4	4	5	6	8	19	35	22	18	19	25	23	37	40	56	53	32	32	33	14	21
15	16	12	12	17	17	43	31	43	72	94	78	74	31	8	8	9	12	15	15	14	14	16	14	11	28
16	10	10	12	10	9	7	7	9	11	9	9	9	9	8	8	10	13	14	14	18	29	22	31	54	14
17	48	M	97	49	10	6	6	7	8	11	11	9	12	9	8	9	10	13	11	11	10	9	8	8	17
18	9	9	9	9	9	8	12	14	13	14	9	9	9	9	13	11	10	10	9	7	8	8	8	8	10
19	8	8	8	7	6	6	8	9	8	9	10	9	9	10	8	9	11	10	9	8	10	11	10	13	9
20	12	9	10	12	9	8	9	11	17	16	12	11	10	10	13	19	15	19	25	15	14	13	12	13	13
21	12	10	9	8	8	8	9	11	15	12	13	15	12	10	9	8	7	16	13	12	8	9	8	8	10
22	9	13	10	7	7	8	10	19	32	34	38	42	44	18	16	19	51	53	53	80	53	17	8	6	27
23	18	22	14	32	15	21	25	35	41	30	17	11	10	11	9	9	10	10	9	9	10	10	10	8	17
24	6	6	7	7	7	6	6	7	7	7	7	9	9	7	8	8	10	8	8	9	9	7	8	10	8
25	6	7	6	6	6	6	6	6	8	10	7	11	9	7	6	9	11	13	12	9	8	9	7	9	8
26	10	16	10	6	7	7	8	10	10	10	16	16	11	12	12	12	20	16	17	12	10	39	21	53	15
27	72	69	57	57	26	9	10	10	10	9	9	11	11	14	15	20	18	16	16	14	15	14	13	15	22
28	14	12	11	11	8	8	8	9	10	10	10	8	8	7	7	9	9	10	9	11	10	8	6	10	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				
12	10	14	10	25	44	59	72	4	-	97	8	-	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
MONTH: FEBRUARY

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	2	2	2	2	1	2	1	1	2	4	3	2	2	2	2	2	2	2	2	2	2	2	1	2	2
2	2	2	2	2	2	2	2	2	3	4	4	4	3	3	4	5	3	2	2	2	2	2	2	2	3
3	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	0	0	2
4	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
5	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
6	2	2	2	2	2	2	2	2	5	5	4	3	3	3	5	3	3	4	4	2	3	2	2	3	3
7	2	2	2	1	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	3	3	2
8	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	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	1	2	2	2
10	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	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	3	3	3	3	3	4	3	3	3	3	2	2	2	2	3	3
13	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	3	4	5	4	4	3	3	3	3	3	2	2	2	2	2	3	3
15	2	2	2	3	2	2	2	2	5	7	6	8	5	2	2	2	2	2	2	2	2	2	2	2	3
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
17	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	1	1	2	2	2	2	2	2	1	2	2	3	2	2	2	2	2	2	2	2	2
20	2	2	1	2	2	2	2	2	2	3	3	4	2	2	2	2	2	3	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	3	3	2	2	2	2	1	2	2	3	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	3	2	2	3	2	2	2	2	2	2
23	2	2	1	2	2	2	2	2	4	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	1	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	1	2	2	2	2	3	3	2	3	3	2	2	2	2	3	2
26	3	3	3	3	3	2	3	3	3	4	4	4	4	3	2	2	3	3	2	3	3	2	2	3	3
27	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
28	2	2	2	2	2	1	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		
2	2	2	2	3	4	4	5	0	-	8	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: FEBRUARY

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	7	10	4	4	8	8	13	21	29	32	26	29	25	13	10	9	11	13	11	20	22	20	19	13	16
2	13	10	4	4	3	4	6	15	24	31	28	34	33	29	39	42	20	11	12	9	9	8	8	7	17
3	6	M	7	6	6	7	8	8	9	9	8	9	9	8	8	10	15	16	11	8	8	8	8	8	9
4	7	5	4	4	4	5	6	8	9	11	9	10	10	8	9	7	6	9	7	8	8	6	7	7	7
5	5	5	5	4	3	4	5	6	7	7	7	6	7	7	7	9	12	15	16	19	14	15	19	18	9
6	11	17	8	8	3	5	9	22	35	36	36	29	25	26	38	27	26	41	42	35	34	20	10	11	23
7	7	5	5	6	6	5	9	11	26	32	34	30	15	7	8	12	13	12	17	23	26	26	37	21	16
8	32	34	22	14	26	14	9	13	12	11	8	8	8	7	7	7	8	7	8	6	6	5	5	6	12
9	5	5	5	5	5	5	6	7	9	8	8	8	8	8	8	8	8	8	7	6	6	5	4	5	7
10	5	4	4	4	4	4	5	6	10	16	14	10	9	12	16	15	22	23	25	26	21	18	14	12	12
11	8	7	7	6	10	9	11	11	12	12	12	10	10	9	10	10	9	12	12	11	10	11	10	11	10
12	8	6	5	4	4	4	5	5	9	11	12	12	11	14	18	21	21	21	22	17	11	15	14	11	12
13	7	5	3	5	5	9	13	15	10	8	6	7	11	11	6	7	14	22	15	9	10	11	8	11	10
14	8	6	8	11	18	11	14	13	22	24	21	18	18	20	14	12	25	15	17	18	12	9	6	6	14
15	6	5	7	5	5	6	9	16	32	40	39	47	40	18	9	7	8	7	8	8	7	7	7	7	15
16	5	5	5	4	4	4	5	6	8	7	8	8	13	8	9	9	24	30	31	34	23	32	31	38	15
17	40	M	37	35	23	12	9	8	10	11	11	10	11	18	9	12	19	26	20	10	9	7	7	7	16
18	5	5	4	4	4	5	8	9	9	11	10	9	9	9	10	11	12	10	9	8	7	7	7	7	8
19	6	5	5	4	4	4	6	7	9	12	11	10	10	9	11	13	18	10	15	11	11	9	8	11	9
20	9	6	7	14	11	12	9	13	18	20	22	30	14	16	12	12	17	36	19	13	11	12	10	16	15
21	11	6	4	4	4	4	5	11	17	25	13	13	11	11	10	9	8	47	20	16	11	12	10	7	12
22	7	6	5	4	4	4	7	11	28	32	21	33	24	23	35	23	20	23	28	31	28	15	11	11	18
23	12	8	5	6	18	17	21	20	27	32	36	26	10	15	10	9	10	11	11	12	9	7	7	6	14
24	5	4	4	4	4	4	6	8	9	8	8	9	10	9	11	11	10	9	9	11	8	7	5	6	7
25	5	4	3	3	4	4	5	7	10	12	10	14	11	14	19	21	21	29	32	30	30	28	27	24	15
26	26	26	23	24	27	26	25	24	27	28	30	30	33	16	15	16	20	33	35	35	33	29	45	41	28
27	38	33	31	29	22	18	16	14	10	12	12	12	13	14	16	16	17	20	16	15	13	14	11	12	18
28	9	7	5	5	5	5	6	7	7	7	6	7	7	6	7	13	10	7	11	18	15	12	13	8	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	10	13	10	28	33	38	40	3	-	47	7	-	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
MONTH: FEBRUARY

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
6	5	7	5	13	15	17	18	0	-	25	3	-	14	2	100	0

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

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

STATION : 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	8	7	9	10	10	13	31	47	80	75	60	60	50	20	11	12	22	63	18	59	93	81	59	49	39
2	36	16	17	11	11	16	29	62	51	71	83	76	56	53	68	77	26	19	22	17	16	13	13	12	36
3	10	10	11	10	11	11	13	19	21	23	22	21	19	18	16	17	18	31	49	54	26	23	17	22	21
4	15	14	11	26	18	13	8	12	18	32	23	24	18	18	23	12	13	15	12	12	14	12	15	14	16
5	12	12	11	9	7	6	8	11	14	16	16	14	17	17	14	14	12	27	32	65	69	61	72	56	25
6	32	19	27	15	15	10	28	45	76	93	69	51	54	53	66	50	25	62	99	102	75	75	91	42	53
7	25	M	28	18	14	14	19	39	70	89	92	51	14	14	13	16	21	36	56	86	91	88	72	88	46
8	120	105	53	34	67	69	72	76	52	26	15	15	19	11	12	13	20	16	17	13	10	10	9	9	36
9	8	7	7	8	7	7	10	11	14	17	17	14	14	15	19	17	17	16	14	14	11	11	10	9	12
10	9	7	8	7	6	7	9	11	40	62	48	37	25	25	25	24	28	47	35	43	54	53	33	27	28
11	19	17	17	20	32	22	36	33	35	30	28	21	21	19	20	24	24	28	34	33	23	27	28	27	26
12	21	15	14	12	10	10	14	17	22	23	27	22	18	16	26	35	36	29	43	48	51	57	56	39	28
13	33	33	39	39	42	8	27	24	21	23	14	10	21	33	17	19	33	36	34	35	43	30	59	22	29
14	12	18	39	27	5	5	7	18	37	64	40	29	29	48	31	27	43	25	32	31	23	19	18	18	27
15	19	17	14	16	16	16	20	44	33	86	80	80	52	16	7	7	10	8	11	12	10	14	17	12	26
16	14	11	10	9	8	8	10	17	24	22	19	17	18	17	20	22	37	44	71	91	92	80	86	120	36
17	122	113	101	93	31	16	16	21	29	28	23	21	19	23	13	18	27	60	26	22	19	14	13	10	37
18	11	9	8	9	10	12	12	16	21	26	18	16	16	18	19	16	18	15	15	20	20	15	16	14	15
19	14	11	10	9	9	8	11	17	22	28	28	19	13	16	16	23	33	34	46	23	21	17	15	18	19
20	23	24	18	20	29	48	58	34	34	67	51	47	30	21	16	13	30	42	33	21	18	13	17	20	30
21	15	M	9	15	10	16	18	30	23	55	19	13	12	13	10	8	9	57	36	18	11	10	9	7	18
22	10	16	20	16	10	14	29	58	61	65	43	48	39	26	35	20	32	35	94	57	31	27	79	70	39
23	56	38	22	77	91	57	61	80	83	93	69	42	17	29	19	18	19	13	22	24	12	11	12	8	41
24	7	6	5	6	5	5	9	14	17	17	13	11	12	17	17	24	24	16	19	28	35	8	9	11	14
25	10	6	6	5	6	5	7	11	20	23	22	29	30	30	47	43	55	66	88	83	91	76	70	71	38
26	79	72	70	53	62	57	63	56	75	69	58	58	54	34	28	34	42	79	90	95	54	69	87	64	63
27	63	56	55	55	35	27	22	24	12	19	22	16	19	21	24	25	33	31	24	24	22	21	24	21	29
28	22	17	13	12	10	8	10	11	11	11	11	11	11	10	12	17	14	12	17	24	19	18	15	11	14

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
23	21	30	21	69	81	93	100	5	-	122	12	-	63	2	100	0

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

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

STATION : 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	3	8	3	6	3	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	2	1	1	1	1	2	6	6	6	4	5	9	9	2	2	2	1	1	1	1	0	1
3	0	0	0	0	1	1	2	1	1	2	1	2	2	1	2	2	2	1	1	1	1	1	0	1	1
4	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
6	3	3	2	1	1	1	1	2	10	7	4	3	4	5	8	9	6	8	6	8	8	8	7	5	5
7	5	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	0	0	0	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
9	M	M	M	M	M	M	M	M	M	M	M	M	47	10	1	1	1	1	1	1	1	0	1	1	
10	1	1	1	1	0	0	1	1	0	1	1	0	0	1	1	1	0	0	1	2	1	1	1	1	1
11	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1
12	1	1	1	1	1	1	1	1	2	3	4	5	4	3	5	5	4	4	4	3	2	1	1	1	2
13	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	1	1	3	11	9	6	4	6	4	3	3	2	3	3	3	4	3	3	3
15	4	5	6	4	3	3	3	6	13	16	16	11	9	2	1	1	1	1	1	1	1	1	1	2	5
16	1	1	1	1	1	1	1	1	2	2	2	2	3	4	3	2	2	5	6	4	7	12	4	3	3
17	9	9	8	5	4	2	1	2	1	1	2	1	2	1	1	1	2	1	1	1	1	1	0	1	2
18	1	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	2	2
20	2	2	2	1	1	1	1	2	10	14	8	3	2	2	2	3	3	3	2	2	2	2	2	3	3
21	2	1	1	1	1	1	1	2	7	3	2	2	2	2	2	2	3	6	1	1	1	1	1	2	2
22	2	1	2	2	1	2	1	1	2	3	8	7	4	6	6	5	4	5	5	4	6	4	3	2	4
23	2	3	3	5	8	7	12	8	8	12	12	4	2	2	2	2	3	2	1	1	1	1	1	1	4
24	1	1	1	1	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	3	2	1	1
26	2	3	2	1	1	1	1	2	3	4	4	6	2	1	1	1	1	1	2	1	1	1	1	2	2
27	2	2	2	2	3	2	1	1	1	1	1	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	1	1	0	1	1	1

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
2	1	2	1	5	8	10	12	0	-	47	1	-	5	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: FEBRUARY

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	10	5	4	7	7	10	19	52	65	32	54	41	11	3	4	8	4	9	9	14	14	31	44	19
2	31	27	31	39	36	20	27	48	52	64	67	48	39	39	56	52	7	12	12	9	9	8	8	8	31
3	6	M	8	8	8	9	11	14	16	14	10	11	9	7	7	8	14	20	15	10	8	11	13	11	
4	11	9	5	7	5	8	9	16	17	16	13	10	12	8	8	5	6	6	7	9	9	7	11	8	9
5	6	7	6	5	4	5	5	8	9	10	11	8	5	8	7	6	5	8	6	9	18	14	20	54	10
6	72	66	35	32	14	33	20	61	75	48	37	19	52	41	59	64	34	66	66	90	112	117	111	107	60
7	95	40	25	19	18	19	26	19	31	11	11	15	10	7	7	8	8	9	10	12	26	17	15	34	21
8	23	8	20	22	8	7	8	12	15	13	12	8	4	7	6	5	7	7	9	4	4	4	4	6	9
9	5	4	4	5	5	7	7	8	13	14	11	10	8	9	8	8	8	5	6	6	5	6	5	5	7
10	6	5	5	4	3	4	4	9	18	35	39	23	27	27	34	32	32	43	35	56	57	47	33	27	25
11	18	15	15	13	20	22	27	24	28	24	27	22	19	20	22	19	15	15	15	18	19	26	28	25	21
12	15	11	10	9	8	10	11	18	19	24	23	20	15	15	25	27	28	49	22	16	9	16	20	18	
13	29	33	25	29	27	20	11	15	13	9	8	8	7	4	5	7	8	8	6	8	15	18	16	18	14
14	12	8	8	5	4	6	8	5	30	60	41	35	25	33	27	28	41	23	32	34	27	49	32	21	25
15	40	30	58	18	14	14	36	59	72	78	75	54	52	7	5	5	7	13	12	10	8	10	15	14	29
16	11	11	9	9	6	7	6	10	12	11	13	12	12	7	6	7	19	63	76	66	103	109	37	60	28
17	101	M	105	102	68	27	15	18	24	23	23	19	31	12	6	7	17	28	13	18	13	12	9	8	30
18	8	6	5	6	6	8	14	18	18	18	15	12	6	6	9	8	7	6	7	14	14	14	13	12	10
19	10	8	8	6	7	7	9	13	15	15	12	10	8	7	7	11	9	11	6	7	24	30	22	21	12
20	20	14	13	13	15	27	28	41	78	78	56	19	18	10	9	17	23	19	18	13	10	10	11	24	24
21	13	15	10	11	20	20	29	26	46	18	12	10	9	9	14	13	16	45	9	6	3	5	7	8	16
22	9	7	7	7	7	4	25	42	50	33	63	57	24	25	34	37	47	51	68	54	89	85	55	47	39
23	44	73	65	59	72	75	87	75	65	66	49	23	6	8	7	4	7	7	8	8	7	7	7	6	35
24	4	3	3	4	4	4	4	5	8	8	11	13	10	8	12	17	9	6	13	12	10	5	4	10	8
25	6	3	3	4	4	4	8	12	12	16	14	15	18	15	10	15	34	34	30	36	54	84	56	11	21
26	53	44	14	11	16	30	24	40	48	43	45	44	9	3	7	7	12	5	7	41	34	71	73	69	31
27	67	61	54	54	47	32	16	10	12	15	17	18	15	18	22	31	26	26	28	18	21	21	19	16	28
28	12	10	6	6	6	6	7	7	8	9	8	7	9	6	5	6	8	8	10	12	12	12	7	11	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		
15	13	21	13	54	67	85	102	3	-	117	7	-	60	2	100	0

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

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

STATION : CHEUNG CHAU
POLLUTANT : 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	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	2	4	3	3	1	3	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	0	1	5	3	1	1	2	2	6	1	1	1	0	0	0	0	0	0	1
7	0	0	0	0	0	1	3	6	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	M	M	3	3	3	3	4	3	4	4	4	5
9	3	2	3	3	2	2	4	3	3	3	3	6	7	4	5	5	4	3	2	3	3	3	3	4	3
10	3	3	3	3	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	2
11	2	2	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	1	2	2	3	2
12	2	2	3	4	4	3	3	4	4	4	4	4	4	4	4	4	4	3	3	4	4	3	3	4	4
13	4	2	3	3	3	2	3	3	4	3	3	3	3	4	4	4	5	4	3	2	2	1	2	2	3
14	2	2	3	2	3	3	3	3	4	5	4	5	7	7	6	5	6	6	4	4	4	3	3	5	4
15	3	3	3	4	4	5	4	5	6	8	8	7	8	10	6	5	6	6	4	3	4	3	3	4	5
16	3	2	2	2	3	2	3	3	4	4	4	5	5	5	5	5	5	5	4	3	4	4	3	4	4
17	3	3	4	5	5	4	3	3	2	2	4	3	4	4	4	4	4	4	3	2	2	1	1	2	3
18	1	1	1	1	1	2	4	4	3	3	4	3	2	3	3	3	3	3	2	2	1	1	1	1	2
19	0	1	1	1	1	1	1	1	2	2	2	2	3	3	4	5	5	5	4	3	3	2	2	2	2
20	3	3	3	2	3	2	3	4	5	6	6	5	5	4	6	6	6	5	4	4	3	3	2	2	4
21	3	2	3	4	6	5	4	3	4	7	4	4	5	6	5	6	6	5	4	4	3	3	2	3	4
22	3	3	3	4	3	4	5	5	5	5	4	4	7	7	8	7	6	5	5	4	4	3	3	4	5
23	3	3	4	4	4	4	4	6	8	8	9	10	9	8	6	5	6	7	5	4	4	4	4	4	6
24	5	4	4	4	4	3	3	3	4	4	3	4	4	5	6	5	5	4	4	4	5	4	4	4	4
25	3	3	4	4	4	4	4	4	4	4	3	4	6	6	6	6	6	5	5	4	3	5	5	6	5
26	6	5	5	5	5	5	5	6	7	7	7	6	7	9	9	8	7	8	7	6	6	5	5	8	6
27	6	6	6	6	5	5	5	4	5	5	4	4	4	4	5	5	5	6	5	5	5	5	5	5	5
28	4	4	4	4	5	4	4	4	7	5	4	5	4	5	5	5	5	6	5	4	4	4	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		
3	3	3	3	6	6	8	8	0	-	10	0	-	6	2	100	0

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

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

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	50	64	97	51	34	36	66	61	63	36	43	40	32	14	11	20	12	7	11	32	29	87	67	37	42
2	54	55	78	91	79	89	94	90	64	45	33	56	73	47	37	28	43	11	10	20	18	11	13	15	48
3	11	M	6	9	14	16	19	13	14	26	15	23	6	4	3	1	3	6	5	7	5	18	12	30	12
4	21	22	22	12	9	3	14	10	18	38	62	33	19	1	2	2	0	3	4	7	8	7	15	20	15
5	13	7	9	12	5	1	4	8	6	20	23	17	16	21	1	5	3	10	27	17	29	68	64	64	19
6	39	51	71	74	82	91	98	100	92	57	29	35	34	41	79	20	27	32	35	23	32	49	51	62	54
7	57	48	46	30	26	84	131	135	129	102	13	43	26	1	1	1	2	5	5	24	10	34	23	11	41
8	54	25	36	35	27	2	7	17	11	17	11	10	10	M	M	6	9	13	16	27	10	22	24	10	18
9	6	0	10	13	1	1	14	13	7	16	18	20	21	18	25	15	10	8	5	15	6	26	24	18	13
10	14	15	17	9	1	3	9	15	23	29	18	22	12	14	17	44	52	57	47	29	25	35	37	48	25
11	24	27	35	23	9	8	11	14	12	15	21	15	8	12	11	16	19	20	15	20	35	44	51	41	21
12	23	15	4	4	6	10	13	17	13	13	11	14	8	4	1	2	1	0	4	17	26	86	80	99	20
13	72	52	39	33	35	64	57	52	54	26	17	13	3	5	1	3	6	19	11	4	4	7	17	35	26
14	40	52	52	40	33	54	36	36	28	48	12	3	35	42	34	21	18	25	54	31	8	8	6	18	31
15	51	33	19	17	51	47	23	29	24	39	37	28	30	35	8	3	12	16	16	18	18	4	9	22	25
16	35	30	19	7	20	7	11	14	17	16	20	22	26	7	0	1	2	10	19	22	45	38	61	31	20
17	18	M	42	45	46	58	44	30	18	21	13	30	27	10	1	8	13	14	26	19	14	8	9	8	23
18	4	5	4	3	10	22	30	45	31	36	35	19	1	0	1	2	5	2	3	5	11	9	8	8	12
19	7	5	7	9	0	3	5	9	18	40	28	17	2	0	1	2	4	8	15	13	13	17	69	107	17
20	23	51	57	51	61	77	101	96	91	66	52	14	11	6	16	17	13	11	8	25	10	9	53	68	41
21	63	22	33	57	89	48	57	42	52	75	13	11	7	9	5	3	10	11	9	34	16	8	7	72	31
22	70	32	20	33	12	26	77	75	50	28	15	5	9	19	24	5	7	2	9	12	11	56	57	88	31
23	65	41	28	25	36	75	85	80	74	80	77	54	31	25	16	0	1	5	3	1	0	4	7	13	34
24	17	11	10	10	4	3	3	5	3	8	12	6	6	10	11	4	1	3	14	11	16	5	5	10	8
25	8	12	2	0	3	2	10	7	4	8	12	19	35	28	28	16	12	5	10	6	23	78	75	91	21
26	78	45	27	40	34	30	58	72	67	51	54	52	41	24	23	31	20	53	61	43	72	46	71	60	48
27	62	54	56	50	33	17	24	22	37	53	28	31	33	32	36	38	45	55	54	53	56	49	49	43	42
28	38	40	34	16	9	13	11	15	24	20	16	13	17	4	13	8	17	22	7	6	3	13	5	45	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		
17	18	27	18	62	78	91	99	0	-	135	8	-	54	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: MARCH

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

MONTHLY STATISTICS:

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

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

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

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	0	0	0	0	0	0	0	1	15	30	9	21	24	24	34	14	21	1	13	30	26	36	9	2	13
2	0	0	26	64	41	17	16	17	14	13	9	11	20	25	25	32	12	4	0	0	0	0	0	1	14
3	0	M	0	0	0	0	0	0	0	0	3	8	3	7	7	8	9	2	1	3	1	0	0	1	2
4	0	0	0	0	0	0	0	2	6	3	6	8	13	21	15	9	10	1	21	11	9	13	0	1	6
5	0	0	0	0	0	0	0	1	3	10	8	12	11	7	22	17	35	13	5	0	0	0	0	5	6
6	0	0	0	0	0	0	0	0	2	5	10	1	1	4	2	4	1	16	41	15	14	11	16	2	6
7	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	5	13	14	10	14	6	4	7	7	4
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	7	7	2	1	1	0	1	1
9	0	0	0	0	0	0	0	0	0	1	3	7	4	3	5	13	13	14	13	15	1	1	2	5	4
10	2	0	0	0	0	0	0	0	1	1	0	3	2	3	7	6	4	7	3	2	0	0	0	1	2
11	0	0	0	0	0	0	0	1	2	14	10	1	1	10	13	7	1	2	1	0	0	3	2	1	3
12	0	0	0	0	0	0	0	2	19	29	28	31	21	19	12	7	23	30	41	85	37	7	0	0	16
13	6	0	0	0	0	0	0	0	0	3	1	3	2	0	2	8	6	1	5	1	0	0	0	1	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0
15	0	0	0	0	0	0	0	0	1	10	M	M	20	21	20	18	22	16	8	7	9	9	5	9	8
16	2	3	1	4	1	2	3	8	19	36	38	34	14	9	7	8	14	19	15	3	1	1	2	7	10
17	6	M	1	2	2	0	0	7	7	31	29	14	9	7	7	6	9	11	7	11	4	4	5	6	8
18	5	2	3	2	5	5	7	7	10	11	11	12	15	13	16	25	15	18	16	8	9	3	1	5	9
19	4	3	2	3	3	5	5	8	10	11	15	19	12	15	6	8	10	14	17	10	6	8	4	5	8
20	3	3	1	3	10	8	19	5	16	23	28	33	40	20	13	18	13	18	21	49	49	43	80	8	22
21	45	28	55	44	58	58	55	40	23	28	22	23	25	29	24	20	23	23	26	28	22	24	24	19	32
22	16	16	11	10	11	12	15	21	28	37	25	24	26	25	23	24	25	30	34	31	22	14	15	15	21
23	14	12	11	8	9	11	15	24	29	28	26	21	16	24	30	29	30	30	19	22	23	16	17	14	20
24	11	11	11	9	14	18	21	35	60	56	64	60	61	64	53	49	48	61	71	95	37	22	22	34	41
25	117	119	77	131	53	16	11	13	15	15	16	13	13	14	15	17	17	17	11	8	7	8	8	7	31
26	7	7	5	4	3	3	4	6	8	12	13	18	18	20	24	30	23	13	17	13	11	6	9	5	12
27	5	12	7	7	5	9	8	7	21	28	27	39	25	10	11	9	10	18	10	6	10	28	69	30	17
28	18	3	1	3	5	5	19	15	8	11	5	5	5	3	4	5	8	8	31	41	17	8	20	27	11
29	10	7	4	3	9	12	26	16	12	15	12	6	4	4	11	9	11	7	10	15	15	11	8	4	10
30	10	10	8	14	11	6	8	10	10	10	8	9	11	7	6	10	10	11	8	7	6	4	4	5	8
31	3	M	5	4	4	6	9	25	11	11	6	6	6	6	10	9	14	14	11	8	5	7	9	9	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		
9	7	12	7	28	38	60	70	0	-	131	0	-	41	3	99	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: MARCH

YEAR : 2021

UNIT : MICROGRAMS/CUBIC METER

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

YEAR : 2021

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	8	8	8	9	7	8	9	12	13	13	9	10	12	10	12	13	13	14	19	19	19	23	56	14
2	31	67	62	68	56	45	23	23	22	24	28	30	31	37	29	14	15	14	13	15	12	12	11	9	29
3	9	M	10	9	8	8	10	11	11	10	10	11	11	12	11	11	10	10	8	7	6	7	6	9	
4	6	8	7	7	8	7	9	11	11	13	12	14	13	15	16	15	14	15	19	18	13	12	14	11	12
5	11	11	14	15	13	12	12	12	11	12	16	17	16	18	26	25	19	17	15	12	11	10	10	10	14
6	9	9	9	8	8	7	7	6	8	9	10	10	12	14	13	13	18	21	28	31	18	11	9	7	12
7	7	7	8	10	10	7	10	7	8	9	9	8	10	9	11	15	18	21	18	12	12	13	13	9	11
8	9	9	8	7	7	8	8	9	10	10	9	9	8	8	7	8	8	7	8	9	7	6	8	6	8
9	7	7	7	7	6	7	8	10	11	9	10	9	8	10	9	10	11	13	9	15	12	11	10	12	10
10	12	9	7	7	7	7	6	7	8	8	8	8	7	7	7	7	9	11	9	9	9	7	6	6	8
11	6	6	5	5	6	5	7	7	6	7	8	8	7	8	9	10	8	12	19	11	11	16	10	7	9
12	8	10	7	7	7	6	7	8	8	23	19	8	10	7	7	9	15	11	17	10	10	10	9	7	10
13	6	8	10	8	5	10	8	9	11	11	10	10	9	8	9	9	9	10	10	11	11	11	12	10	9
14	11	12	11	12	10	12	11	11	12	12	12	12	12	10	10	10	11	12	13	13	11	11	16	11	12
15	9	7	8	8	7	8	10	12	12	13	9	9	9	9	7	9	6	7	10	10	11	16	13	10	10
16	7	7	9	9	8	8	5	13	9	8	10	7	6	5	5	7	20	27	30	26	20	24	20	11	13
17	9	M	6	6	6	6	6	11	16	12	8	6	7	6	6	8	8	13	12	8	7	11	12	20	9
18	12	10	9	9	11	11	10	11	12	10	9	7	7	6	7	5	7	8	9	8	9	8	7	7	9
19	9	7	7	8	8	8	6	7	8	6	6	6	5	5	5	6	6	11	13	9	8	9	6	7	7
20	5	7	4	5	5	4	6	15	14	15	11	9	7	12	10	15	17	16	24	25	18	21	33	21	13
21	25	37	55	58	49	58	60	44	16	17	20	19	20	28	26	23	23	21	22	22	23	19	16	14	30
22	15	17	17	13	11	12	15	19	24	21	19	20	16	16	16	15	14	17	20	20	18	14	15	15	17
23	15	16	15	13	14	14	16	18	14	17	14	13	13	14	14	15	14	16	14	13	12	14	14	12	14
24	12	12	13	13	13	16	21	25	31	33	35	61	55	38	24	20	27	42	67	59	52	56	66	48	35
25	67	63	71	76	27	13	13	14	13	11	10	9	9	9	9	10	10	16	14	12	11	11	11	9	22
26	10	9	6	6	5	5	6	7	8	8	M	4	3	4	4	4	4	4	7	7	5	4	4	6	6
27	5	2	8	4	9	5	5	6	4	2	5	7	8	6	7	5	7	11	17	19	16	23	19	5	9
28	2	2	17	5	10	25	23	46	45	35	36	31	14	18	22	29	32	29	44	37	27	28	19	19	25
29	19	15	24	25	19	15	11	20	23	29	21	16	17	15	12	18	38	19	17	19	15	24	25	42	21
30	31	16	17	12	17	15	11	11	8	7	7	5	2	4	7	2	11	17	20	7	6	12	7	10	11
31	7	M	11	6	8	24	16	17	14	8	12	2	5	5	5	8	5	7	9	7	7	11	11	12	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	
11	11	14	11	24	33	56	63	2	-	76	6	-	35	2	99	0

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

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

YEAR : 2021

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	8	9	16	27	34	29	30	33	34	33	41	56	45	21	25	30	45	40	68	61	53	49	55	36
2	54	52	52	36	28	20	20	22	18	17	18	17	26	28	31	42	29	16	13	12	9	8	8	7	24
3	6	M	7	6	5	6	8	9	10	8	8	11	12	12	13	12	15	11	10	10	9	10	9	7	9
4	6	5	5	4	5	6	9	14	12	11	10	11	22	25	27	29	47	16	33	32	26	34	35	21	19
5	35	37	22	9	7	6	7	11	11	9	10	13	12	11	13	16	17	20	11	8	7	7	6	6	13
6	6	19	28	25	23	22	29	33	36	40	30	19	30	21	26	37	42	46	47	52	49	38	45	21	32
7	11	8	6	6	7	6	8	8	7	8	7	8	9	7	8	11	16	15	16	15	12	11	10	10	10
8	7	6	4	4	4	5	8	9	9	10	8	8	7	7	8	8	10	14	16	14	15	13	8	10	9
9	6	5	4	4	4	4	8	11	10	10	9	9	9	10	9	11	30	38	23	25	31	28	18	15	14
10	9	5	4	4	4	4	7	8	8	8	8	8	9	10	10	10	10	12	11	8	6	5	5	5	7
11	4	4	3	3	3	3	6	9	9	14	15	9	8	12	10	9	8	11	12	10	8	11	33	28	10
12	19	20	8	7	7	9	27	30	43	47	36	28	19	24	18	34	36	23	26	28	44	46	49	55	28
13	48	15	6	5	4	4	6	6	7	8	10	9	9	9	9	14	15	12	15	12	11	8	7	9	11
14	7	6	6	6	6	6	7	9	10	10	8	8	8	7	8	9	10	11	13	12	8	7	8	7	8
15	4	3	3	4	3	3	6	10	14	22	23	34	17	15	8	9	9	13	16	9	8	7	7	8	11
16	4	3	22	23	14	12	11	34	27	36	30	23	15	23	18	25	21	19	41	57	46	35	32	21	25
17	7	M	4	3	2	3	12	23	27	40	23	19	18	15	23	13	14	17	19	17	7	6	7	6	14
18	7	4	4	3	5	6	9	8	9	8	8	7	9	8	16	10	9	11	14	14	11	6	5	5	8
19	4	6	4	3	3	6	17	15	11	8	15	9	7	6	6	8	9	12	20	18	9	7	6	5	9
20	4	19	4	5	3	7	14	22	23	14	24	23	16	17	18	15	25	18	32	21	28	31	22	30	18
21	27	21	22	24	34	34	32	31	37	27	19	21	19	21	20	13	12	12	15	13	11	11	11	11	21
22	11	10	6	5	5	6	9	13	16	20	15	13	14	13	13	13	14	16	15	17	12	8	8	10	12
23	8	6	6	5	5	6	9	14	14	14	12	10	10	12	15	14	15	17	13	14	14	11	9	9	11
24	7	6	6	5	7	9	15	26	36	30	39	33	25	36	33	39	38	48	42	42	39	42	42	29	28
25	30	48	50	52	40	14	11	12	11	11	11	12	12	12	18	17	21	14	13	9	8	8	8	7	19
26	6	5	4	3	3	3	5	5	6	7	7	9	9	8	9	9	12	13	11	10	9	6	6	6	7
27	5	10	8	10	19	21	17	21	22	31	34	23	14	22	13	23	18	19	29	36	31	24	34	29	21
28	16	8	6	10	23	18	29	30	16	20	11	7	11	6	8	9	9	9	21	19	15	16	17	20	15
29	13	10	8	7	9	8	11	14	13	12	12	10	9	7	9	9	9	8	14	22	20	19	15	11	12
30	14	18	14	17	19	13	14	15	14	11	8	8	9	8	6	9	12	14	13	14	14	11	8	11	12
31	7	M	10	8	10	11	13	22	20	17	13	9	7	8	13	10	13	17	14	15	11	13	13	15	13

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
12	11	16	11	33	41	49	53	2	-	68	7	-	36	2	100	0

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

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

STATION : 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	4	4	4	4	4	5	5	5	5	6	8	10	12	10	7	6	5	4	4	5	6	5	5	7	6
2	6	7	7	5	5	4	4	4	5	5	5	4	5	5	5	7	9	4	4	4	4	3	3	4	5
3	4	3	3	4	3	4	4	4	4	4	6	7	5	5	5	4	4	3	5	5	3	5	5	6	4
4	6	6	2	4	6	5	6	3	2	8	10	2	5	5	0	5	5	5	6	8	9	9	9	11	6
5	10	10	10	10	10	9	9	9	9	M	10	9	10	10	10	10	10	10	9	9	9	9	8	8	9
6	5	5	6	6	6	6	9	11	14	17	12	12	11	10	11	11	11	11	10	11	11	10	10	14	10
7	11	10	10	7	5	5	5	5	5	4	5	7	5	6	5	6	6	4	6	5	6	7	9	7	6
8	4	0	4	9	8	6	4	9	11	11	12	12	12	12	12	13	12	12	13	13	12	13	13	14	10
9	13	13	13	13	12	12	13	12	13	13	12	13	13	13	13	13	13	14	13	13	13	14	14	16	13
10	15	13	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	12	12	12	14	13
11	13	13	13	13	12	13	12	12	13	13	13	13	13	13	14	14	13	13	13	13	13	13	16	16	13
12	15	14	13	13	13	13	14	15	20	21	18	15	14	14	14	14	17	15	14	13	14	14	13	18	15
13	17	15	13	12	12	12	12	12	12	13	13	14	14	13	13	13	13	13	13	13	13	12	12	14	13
14	13	13	13	13	13	12	13	13	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	13
15	13	13	13	13	13	13	13	13	13	13	13	17	16	15	13	13	14	14	13	13	13	14	13	14	14
16	13	13	13	13	13	13	13	14	15	18	16	15	15	15	15	15	15	14	16	14	13	13	13	14	14
17	13	13	13	13	13	13	13	12	14	20	17	15	15	13	14	13	13	13	13	13	13	13	13	14	14
18	13	13	13	13	12	12	12	12	12	12	12	13	13	13	14	15	14	13	13	12	13	12	12	14	13
19	13	12	12	13	12	12	12	13	15	14	16	14	12	12	13	13	13	13	13	13	13	13	12	12	13
20	12	13	12	13	12	12	12	13	15	15	18	17	14	14	15	15	14	13	15	14	13	13	43	7	15
21	6	6	6	7	9	10	10	11	10	7	7	6	6	6	6	5	5	5	5	5	5	5	4	6	7
22	5	5	5	4	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5
23	6	6	6	6	6	6	7	7	7	8	7	7	7	7	6	7	6	6	6	6	7	6	6	7	7
24	7	6	6	6	6	6	7	8	10	8	9	7	8	7	M	M	10	9	9	9	9	7	14	11	8
25	9	10	10	11	9	7	6	6	7	7	6	6	6	7	7	7	6	6	6	6	5	5	5	7	7
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	6	14	14	11	7	6	6	6	6	4	5	7	6	7	7	9	7
28	7	7	7	8	7	8	11	13	10	10	9	8	8	8	8	8	8	7	8	8	7	7	8	9	8
29	8	7	7	7	8	7	6	7	8	9	9	11	11	8	7	8	9	8	7	8	8	8	8	9	8
30	8	8	7	8	8	7	7	7	7	8	7	10	8	8	6	5	7	8	7	6	8	7	6	10	7
31	8	9	9	8	8	9	8	9	7	8	9	9	6	10	10	13	8	10	9	4	3	10	14	16	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		
9	9	10	9	14	15	16	18	0	-	43	4	-	15	2	100	0

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

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

STATION : 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	16	12	9	27	41	51	59	55	49	56	46	56	84	61	39	48	29	50	65	87	72	84	93	102	54
2	89	86	92	56	44	31	34	36	32	28	28	27	36	40	43	63	45	24	18	17	12	11	11	9	38
3	9	10	9	10	8	10	13	14	16	16	20	16	16	17	17	18	17	23	25	27	20	16	13	18	16
4	12	9	8	9	8	9	13	25	38	27	35	33	34	35	38	48	78	78	57	40	50	54	39	48	34
5	47	37	32	30	19	15	14	20	19	M	24	27	36	38	36	43	53	51	26	23	19	16	13	13	28
6	11	14	46	35	25	34	45	50	60	64	49	51	54	29	51	55	65	63	79	76	81	78	77	79	53
7	44	M	37	15	13	9	14	15	14	16	17	17	13	14	16	29	33	28	31	25	22	16	18	14	20
8	13	11	9	8	9	8	9	17	19	18	18	13	12	12	12	11	20	21	24	19	19	21	20	41	16
9	22	10	8	8	7	8	12	19	17	17	18	23	23	19	22	22	28	53	43	38	51	82	71	60	28
10	33	11	10	7	8	8	9	15	17	16	17	16	15	14	18	15	17	16	16	19	14	12	11	7	14
11	7	8	6	6	6	6	9	22	30	28	28	15	16	19	26	26	26	21	14	9	14	41	91	68	23
12	60	52	26	15	18	29	50	57	80	83	71	53	37	30	18	34	50	42	41	61	91	87	64	98	52
13	95	50	12	10	8	8	10	14	16	22	23	21	20	16	16	21	27	21	27	26	15	14	11	12	21
14	12	11	10	11	10	10	12	17	22	19	12	13	13	12	12	13	18	18	19	19	15	15	12	11	14
15	7	5	6	7	6	7	12	16	22	37	39	56	33	28	11	14	18	24	23	24	37	40	17	11	21
16	7	6	6	7	8	12	15	55	52	74	61	27	30	25	24	32	28	31	76	41	27	29	18	18	30
17	8	5	3	7	10	12	21	32	47	63	47	22	24	16	20	14	16	24	21	18	17	9	8	7	20
18	8	5	6	5	7	8	11	12	16	18	17	24	21	27	31	32	36	24	26	24	17	8	6	7	17
19	18	16	12	6	6	20	18	38	44	27	44	32	17	10	11	13	16	25	33	34	10	9	6	5	20
20	5	9	5	15	16	18	31	35	41	29	45	36	17	14	18	21	28	23	55	38	41	36	39	53	28
21	51	M	51	60	67	68	65	63	56	40	39	39	36	42	43	29	32	30	34	31	25	27	28	25	43
22	27	24	15	14	14	16	20	31	44	50	39	32	29	26	28	32	38	42	36	33	24	20	20	19	28
23	21	14	12	11	12	13	17	27	31	29	27	23	21	23	34	32	39	44	32	33	29	26	23	21	25
24	17	15	14	14	21	23	45	76	88	65	69	54	58	62	M	M	73	84	102	86	81	83	85	80	59
25	70	116	126	133	100	24	16	22	21	23	24	20	20	20	19	22	20	20	16	13	12	10	11	8	37
26	10	9	5	4	4	5	7	10	14	16	18	20	17	24	17	16	28	20	26	24	21	12	16	8	15
27	13	17	11	21	15	24	16	32	49	75	75	52	21	24	16	20	20	25	69	33	32	52	53	55	34
28	23	12	13	47	51	58	73	62	29	29	12	11	17	9	12	11	11	10	35	30	18	15	17	25	26
29	18	17	11	13	12	8	16	22	20	25	17	13	12	5	9	13	15	13	20	24	24	20	13	11	15
30	18	25	16	23	25	15	17	20	19	15	10	15	13	17	13	11	11	13	16	16	14	11	9	11	16
31	7	10	11	10	12	11	14	34	24	18	11	12	7	8	16	13	14	20	20	24	13	14	16	15	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		
22	20	28	20	57	76	87	94	3	-	133	14	-	59	2	99	0

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

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

STATION : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2021
UNIT : MICROGRAMS/CUBIC METER

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

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2021
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	6	6	5	6	11	16	15	22	40	16	43	63	59	15	11	23	19	39	66	60	49	76	97	32	
2	91	74	67	54	42	30	30	29	26	24	25	26	38	43	53	47	18	8	8	8	6	6	8	7	32	
3	6	M	7	6	6	7	7	8	9	10	12	16	18	15	15	20	18	15	13	9	9	7	6	6	11	
4	5	4	5	4	5	7	8	15	18	16	19	21	28	31	31	36	40	16	32	36	29	38	26	14	20	
5	14	9	9	10	10	11	10	12	14	15	16	21	19	18	29	27	28	26	16	7	7	8	7	10	15	
6	10	8	5	4	5	7	12	15	19	11	14	9	6	6	8	14	25	39	55	65	65	72	33	11	22	
7	7	6	3	5	7	5	7	7	5	6	8	11	10	9	11	14	19	19	14	16	14	16	15	10	10	
8	6	6	4	4	4	4	4	7	7	9	6	6	5	6	4	4	9	13	13	17	8	7	9	6	7	
9	4	5	5	5	5	6	7	7	6	9	11	12	9	10	13	14	18	26	23	26	21	26	20	13	13	
10	14	9	5	4	5	5	6	8	9	10	13	9	8	11	10	11	14	9	8	6	5	5	4	6	8	
11	5	4	3	3	3	4	8	15	10	12	9	6	5	7	10	4	7	6	7	8	4	9	11	12	7	
12	6	9	7	7	6	7	12	28	62	55	45	19	13	10	14	30	38	26	7	12	57	83	63	39	27	
13	12	7	7	5	2	5	4	6	9	11	10	12	7	8	9	10	8	12	16	13	9	7	7	9	9	
14	8	7	8	8	7	8	11	11	14	12	10	13	10	11	9	11	9	12	11	8	7	7	10	7	10	
15	4	3	4	6	5	6	12	19	18	18	31	51	10	8	5	3	7	8	4	6	8	8	7	7	11	
16	5	7	7	4	3	4	21	31	24	66	53	29	12	19	3	12	22	21	61	24	12	15	14	10	20	
17	8	M	5	7	13	16	27	48	56	44	11	10	6	6	3	4	4	6	7	6	4	5	6	9	14	
18	7	5	4	4	7	8	10	9	12	12	10	13	M	11	6	5	4	4	5	3	5	4	4	7	7	
19	4	4	4	3	4	6	12	15	12	7	6	3	1	1	1	3	2	7	11	5	6	7	4	5	6	
20	9	7	7	11	17	19	31	29	19	11	38	24	13	17	29	21	22	19	24	9	11	46	57	71	23	
21	64	62	41	56	60	58	59	54	41	29	24	25	31	34	34	30	27	27	29	31	25	22	23	20	38	
22	18	17	12	11	13	14	20	26	33	36	30	26	26	30	31	27	29	31	33	28	24	19	18	22	24	
23	19	14	12	11	12	15	21	27	31	25	17	16	18	26	19	25	30	18	21	21	22	18	19	14	20	
24	10	11	12	12	14	21	31	37	70	67	70	56	51	48	38	52	74	70	42	79	94	107	95	66	51	
25	118	81	82	87	35	15	11	10	11	13	11	9	9	8	10	10	10	11	11	7	6	7	8	7	24	
26	7	6	3	4	3	3	4	5	9	10	10	12	7	4	5	5	5	7	10	10	7	9	12	7	7	
27	6	10	8	8	8	11	13	16	13	10	52	10	6	15	12	13	5	5	8	7	18	47	56	26	16	
28	44	28	16	35	61	64	58	60	41	22	27	21	16	24	23	36	25	17	62	25	30	18	21	25	33	
29	15	23	12	20	26	7	12	23	16	17	19	16	19	16	12	12	10	11	35	39	32	28	24	M	19	
30	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	
31	M	M	M	M	M	M	M	M	M	M	M	11	8	9	16	12	26	20	13	17	13	8	16	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	
13	12	18	12	42	60	72	83	1	-	118	6	-	51	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
MONTH: MARCH

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
5	5	5	5	7	19	21	22	0	-	26	0	-	20	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: MARCH

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	41	20	17	19	30	25	8	10	71	59	29	28	25	37	10	13	18	34	22	22	31	19	28	32	27
2	20	74	73	55	43	34	36	30	23	20	20	31	34	34	42	26	11	6	4	5	5	5	3	4	27
3	2	3	7	9	8	6	5	4	4	14	16	15	16	14	11	20	23	12	18	16	8	8	5	11	11
4	5	2	6	12	6	9	16	21	21	13	29	26	59	64	62	44	15	8	38	93	45	19	19	11	27
5	9	7	16	12	20	40	14	37	17	10	19	35	25	13	24	25	28	32	14	7	12	9	4	8	18
6	12	18	26	20	17	16	33	41	29	22	10	3	35	14	60	59	80	81	99	110	112	112	104	44	48
7	56	47	3	4	13	4	8	5	6	8	7	16	9	7	3	7	18	18	19	14	12	8	15	17	14
8	26	39	6	8	5	2	8	9	8	9	8	1	3	4	0	0	8	4	9	18	9	3	2	12	8
9	4	3	5	7	5	4	3	6	6	5	7	7	5	13	19	24	16	22	8	40	50	7	22	33	13
10	11	38	9	6	1	3	4	4	17	18	17	10	10	15	13	11	10	6	15	27	14	10	8	3	12
11	1	6	1	1	0	2	3	10	16	19	17	2	9	17	9	2	0	5	12	16	13	29	30	26	10
12	34	68	45	27	26	60	77	56	61	48	57	34	2	9	16	26	20	22	26	38	111	82	48	82	45
13	72	81	60	11	11	5	9	5	9	11	12	5	5	4	2	3	4	3	6	4	5	9	8	21	15
14	24	9	26	24	6	5	8	14	11	14	5	8	6	10	17	11	7	16	20	15	6	7	10	14	12
15	11	13	11	10	6	31	27	33	44	38	27	22	8	4	1	2	1	4	7	2	10	11	25	5	15
16	16	25	48	45	34	28	32	48	33	33	32	17	M	M	21	3	9	18	29	35	32	15	16	23	27
17	34	M	21	31	32	47	52	75	54	40	21	7	5	14	13	15	22	18	27	10	4	1	12	12	25
18	11	1	4	3	2	14	12	6	4	8	4	6	29	13	1	0	0	3	0	0	2	2	20	21	7
19	25	17	0	1	6	7	28	9	2	2	1	3	1	0	0	5	8	12	15	9	5	51	26	31	11
20	23	17	13	16	12	33	47	50	53	29	10	0	12	23	46	25	32	12	37	27	22	10	3	16	24
21	38	48	59	39	45	69	72	68	51	54	40	42	30	34	31	36	42	44	41	36	33	25	19	43	43
22	38	31	20	13	8	21	26	29	33	44	33	48	47	41	37	29	39	64	68	50	45	29	27	36	36
23	33	38	23	17	38	38	18	35	40	34	25	25	22	22	31	24	20	25	22	15	15	20	13	11	25
24	5	10	14	56	37	59	78	84	80	64	56	M	M	M	47	51	63	63	59	54	44	41	43	77	52
25	70	55	54	68	72	33	5	11	6	21	1	0	0	0	0	0	0	3	0	0	2	0	2	17	
26	3	12	15	21	11	10	12	6	5	15	20	22	23	6	0	3	1	4	21	16	16	12	13	13	12
27	7	23	30	31	44	41	39	32	10	55	43	14	3	6	16	12	15	26	17	19	20	13	12	36	24
28	50	61	45	73	42	15	27	30	46	43	43	27	10	7	6	11	14	46	39	21	24	33	30	35	32
29	21	7	5	8	16	25	36	35	30	29	24	17	13	6	13	11	14	9	21	23	21	28	29	21	19
30	14	11	7	8	4	9	9	15	18	7	5	4	0	3	3	5	6	5	7	21	18	16	16	15	9
31	16	M	16	6	12	32	50	41	26	18	3	1	2	0	3	7	8	10	15	8	17	16	19	34	16

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
15	16	22	16	48	61	77	83	0	-	112	7	-	52	3	99	0

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

Appendix C Summary Results on Water Quality Monitoring

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

Period : January - March 2021

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
02/01/21	7	19	10	13	8.1	7.9	8.0
09/01/21	6*	24	9	16	8.0	7.8	7.9
16/01/21	7	21	10	17	8.1	7.8	8.0
23/01/21	7	14	10	12	8.0	7.6	7.9
30/01/21	7	20	6	14	8.0	7.8	7.9
06/02/21	7	24	19	22	8.1	7.8	7.9
13/02/21	7	23	9	18	8.0	7.9	7.9
20/02/21	7	24	3	15	8.0	7.8	7.9
27/02/21	7	24	13	19	8.0	7.8	7.9
06/03/21	7	24	14	20	8.0	7.8	7.9
13/03/21	7	24	11	19	8.1	7.8	7.9
20/03/21	7	18	6	13	8.0	7.9	8.0
27/03/21	7	22	13	17	8.0	7.7	7.9

Remark :

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

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

Period : January – March 2021

Sampling date		7/1/2021	4/2/2021	9/3/2021
Barium,	ug/L	<150	<150	<150
Mercury,	ug/L	<0.5	<0.5	<0.5
Cadmium,	ug/L	2	1.1	<1.0
Iron,	ug/L	<400	<400	<400
Total Phosphorous,	mg/L	<0.8	<0.8	<0.8
Total Nitrogen,	mg/L	113	48	56
Cyanide,	mg/L	0.02	0.01	<0.01

Remark:

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

Appendix D Summary of EMIS

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