

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 2022

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 2022)
Date	25 June 2022
Certified by	
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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 2022.

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

Plant Availability

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

Unit	Period	Remark
L4	19/02/2022 20:47 to 26/02/2022 06:32	OOO
L4	12/03/2022 20:44 to 14/03/2022 06:18	OOO
L5	01/01/2022 00:00 to 06/01/2022 08:50	Defect rectification
L5	19/03/2022 13:41 to 21/03/2022 05:52	OOO

Malfunction/Outage Records of Pollution Control Equipment

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

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

Environmental Monitoring Works

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

Air Quality

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

Water Quality

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

Environmental Licensing and Permitting

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

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
Environmental Permit for L4/5 FGD plants retrofit project	EP-248/2006	25/04/2006	-	HK Electric	25/04/2006
Environmental Permit for Unit L2 FGD plant retrofit project	EP-287/2007	02/10/2007	-	HK Electric	02/10/2007
Specified Process Licence issued under APCO	L-7-002(13)	01/01/2021	31/12/2022	HK Electric	01/12/2020
WPCO discharge licence for Ash Lagoon	WT00027218-2017	24/02/2017	31/12/2021	HK Electric	24/02/2017

Implementation Status of Environmental Mitigation Measures

Environmental mitigation measures were implemented in the reporting period.

Environmental Complaints / Feedback Cases

During the reporting period, there was no environmental complaint or 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 2022.

1.1 Background

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

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

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

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

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

1.2 Project Organisation

The management structure to oversee the Projects includes the following:

- Environmental Protection Department (The Authority);

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

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

1.3 Plant Availability during the Reporting Period

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

Unit	Period	Remark
L4	19/2/2022 20:47 to 26/02/2022 06:32	OOO
L4	12/03/2022 20:44 to 14/03/2022 06:18	OOO
L5	01/01/2022 00:00 to 06/01/2022 08:50	Defect rectification
L5	19/03/2022 13:41 to 21/03/2022 05:52	OOO

1.4 Malfunction/Outage Records of Pollution Control Equipment

Equipment	Period	Cause	Actions Taken
L4 FGD	09:40 on 04/03/2022 to 09:51 on 04/03/2022	FGD plant bypassed due to low inlet pressure at absorber recirculation pump inlet	EPD was informed on 04/03/2022
L4 FGD	00:15 on 19/03/2022 to 16:51 on 02/04/2022	FGD plant bypassed for defect rectification	EPD was informed on 04/04/2022
L5 FGD	02:12 on 30/01/2022 to 02:15 on 30/01/2022	Routine damper exercise	EPD was informed on 04/02/2022
L5 FGD	03:10 on 19/02/2022 to 03:14 on 19/02/2022	Routine damper exercise	EPD was informed on 28/02/2022
L5 FGD	01:25 on 12/03/2022 to 01:29 on 12/03/2022	Routine damper exercise	EPD was informed on 06/04/2022

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.

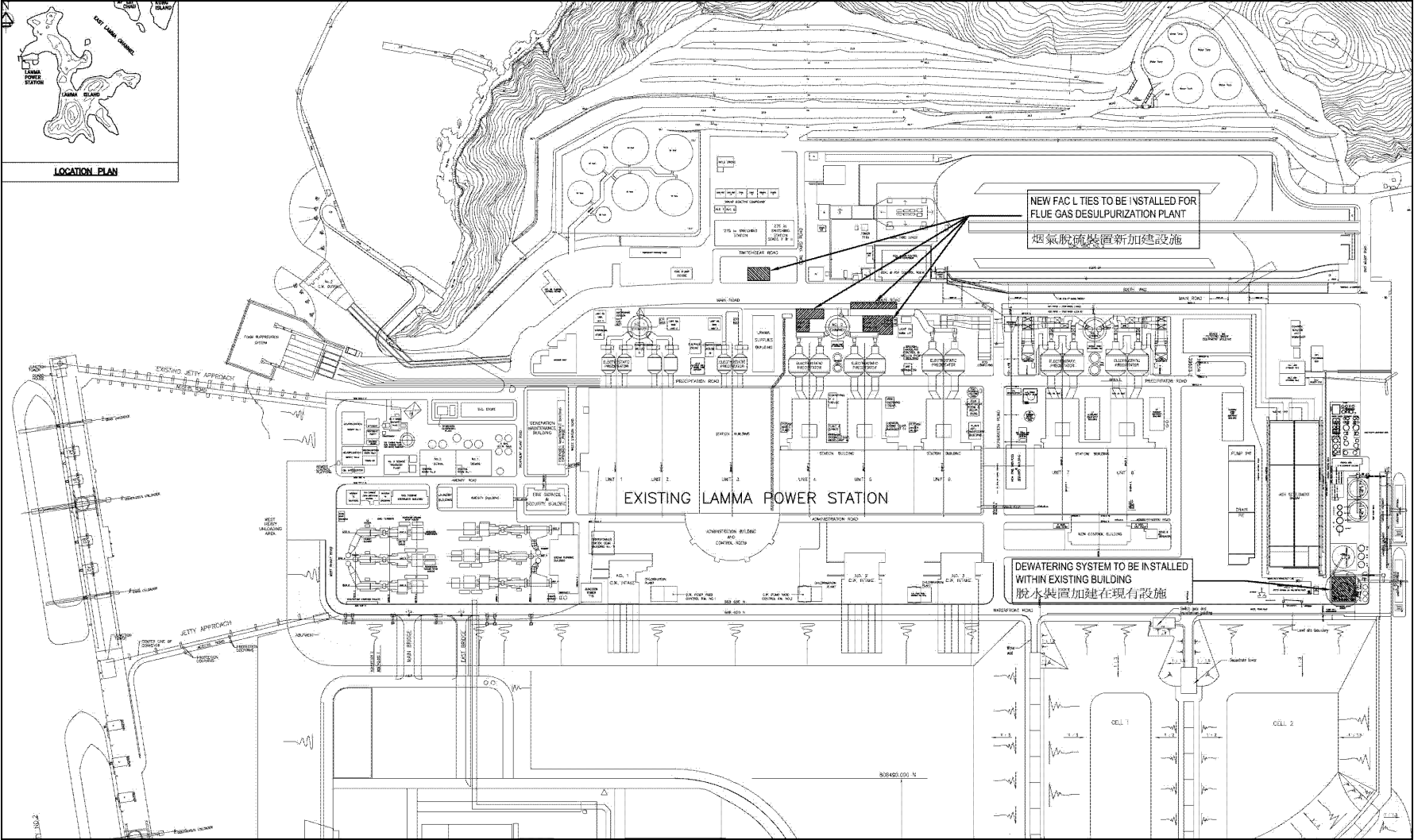


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

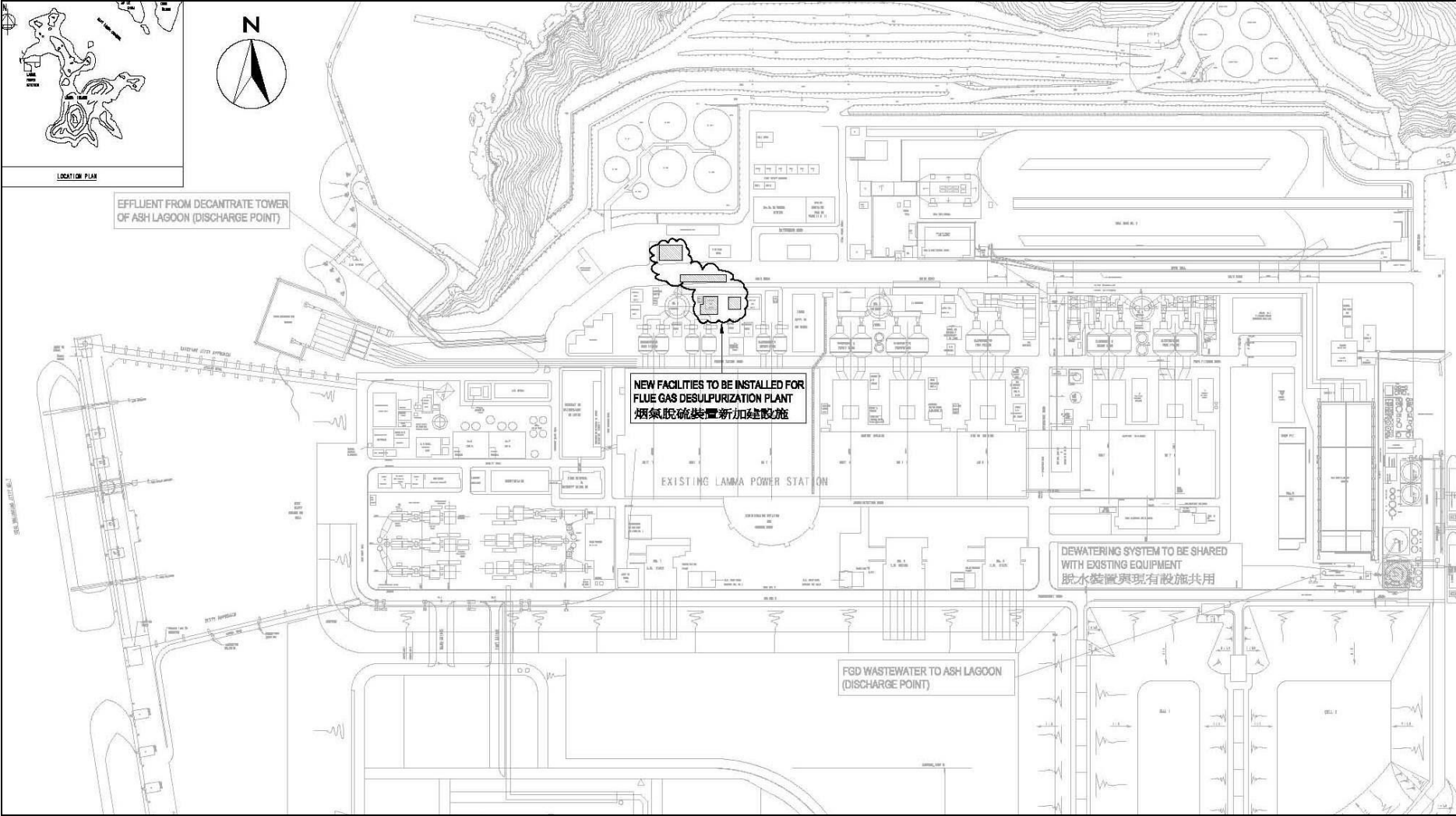


Figure 1.1b Location of New Facilities for L2 FGD Plant

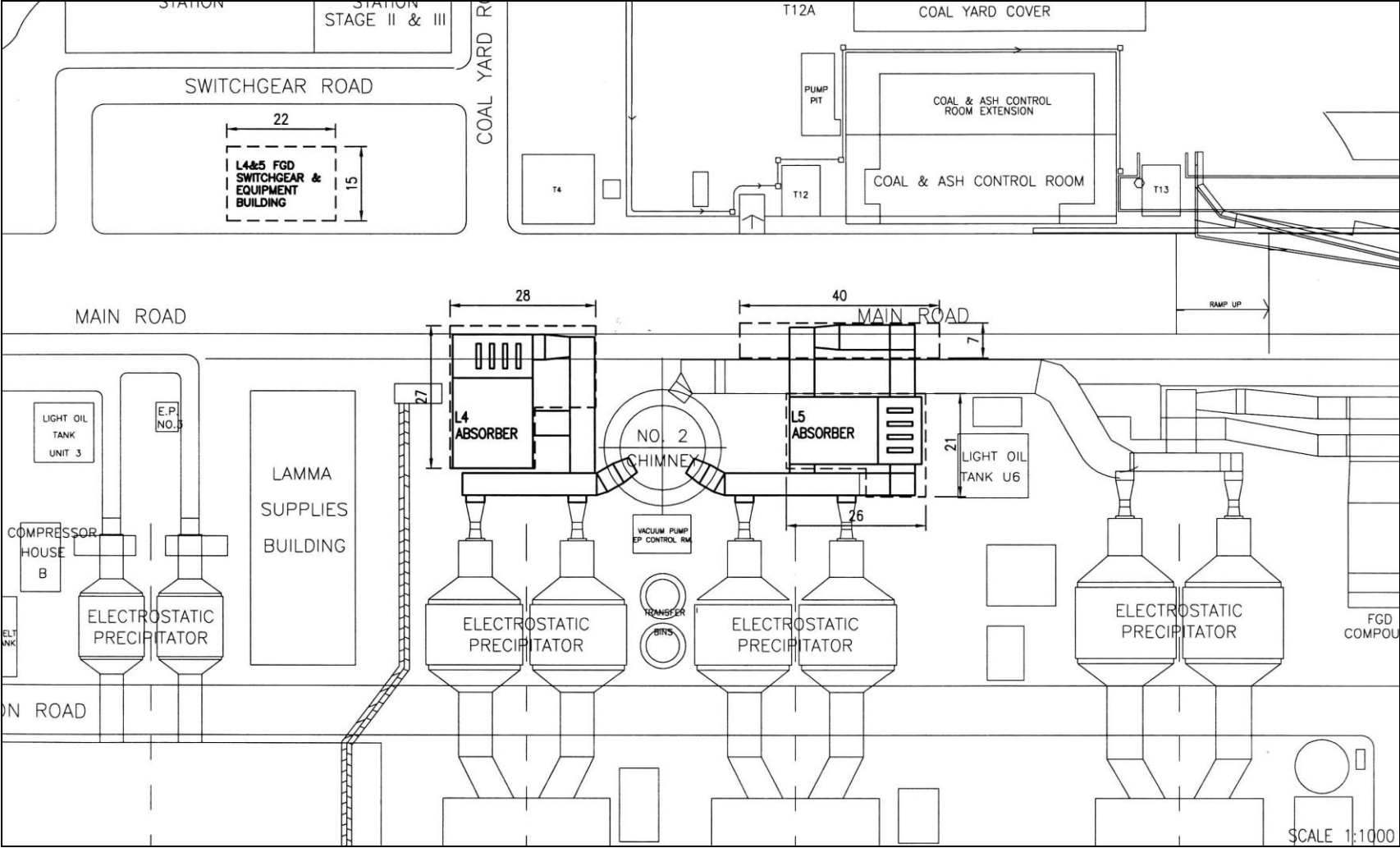


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

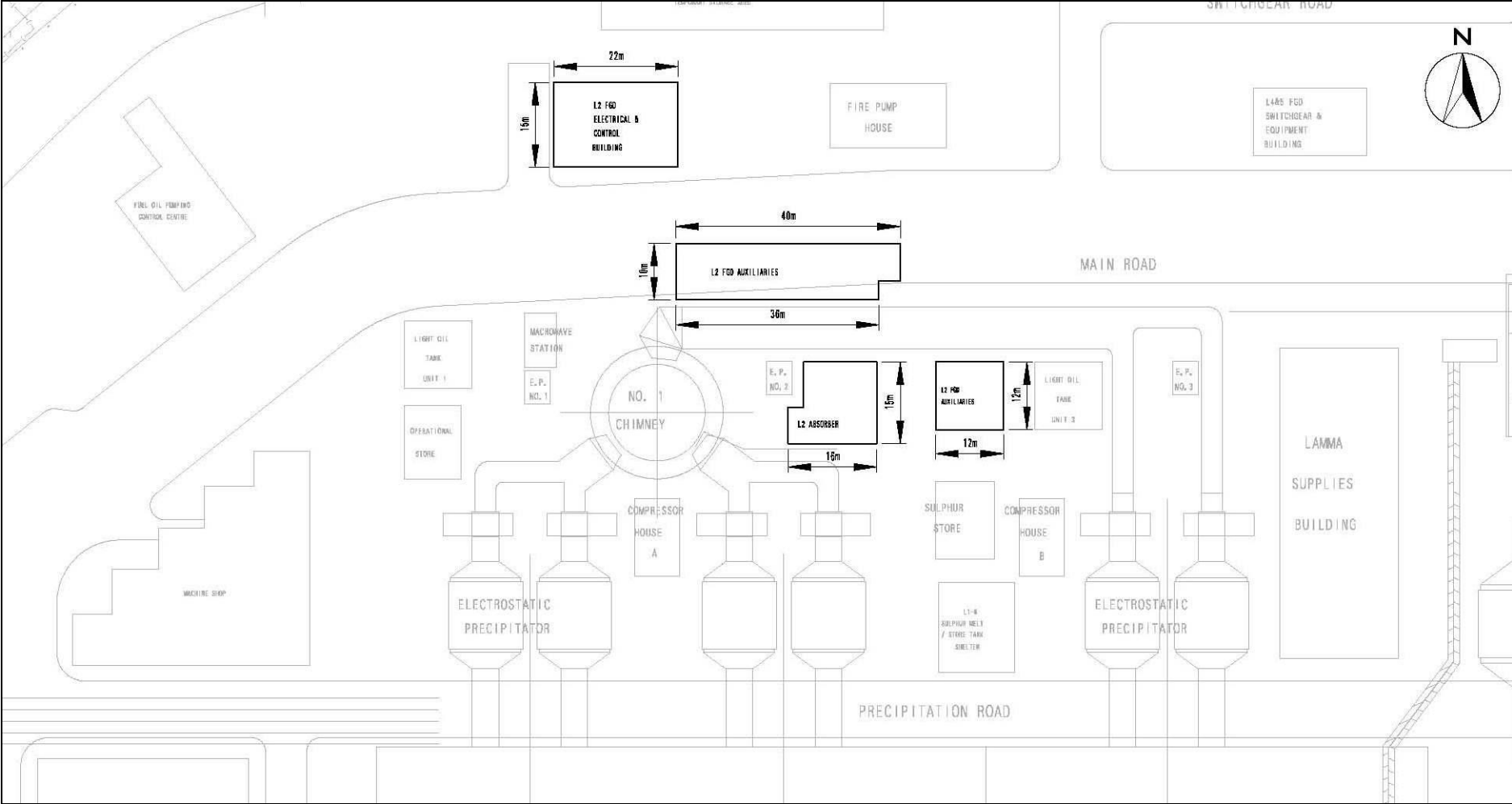


Figure 1.2b General Arrangement of L2 FGD Plant

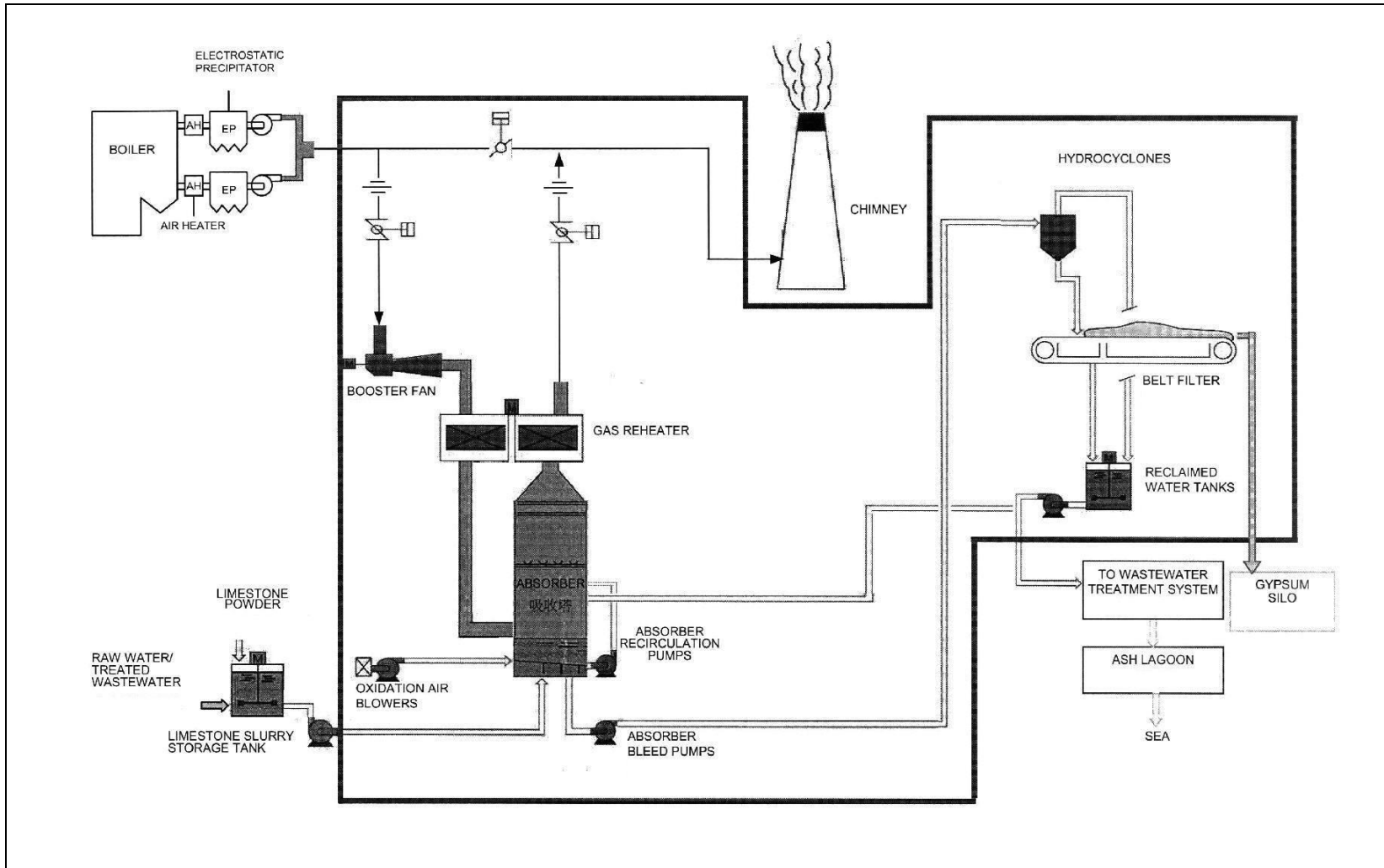


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

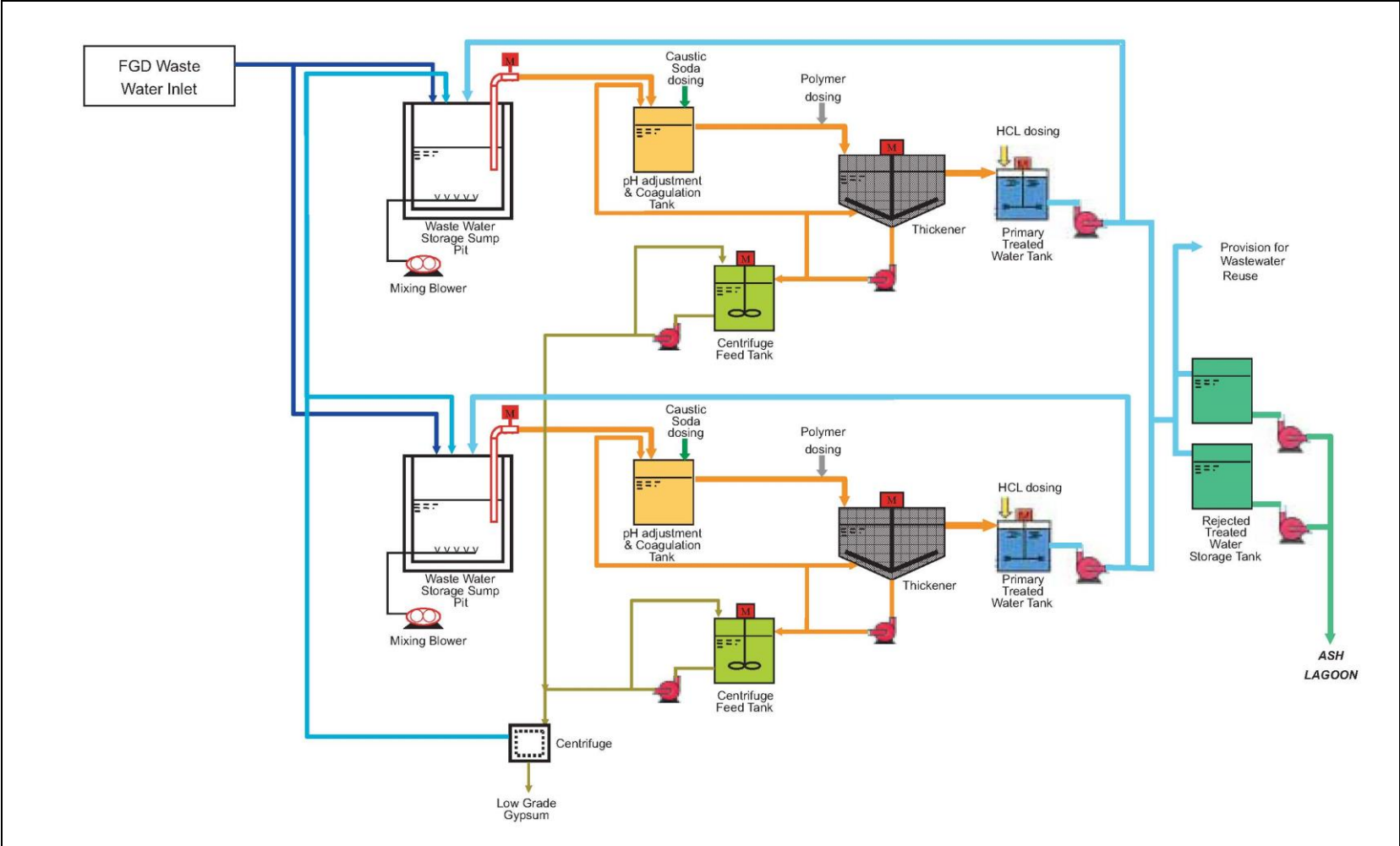


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

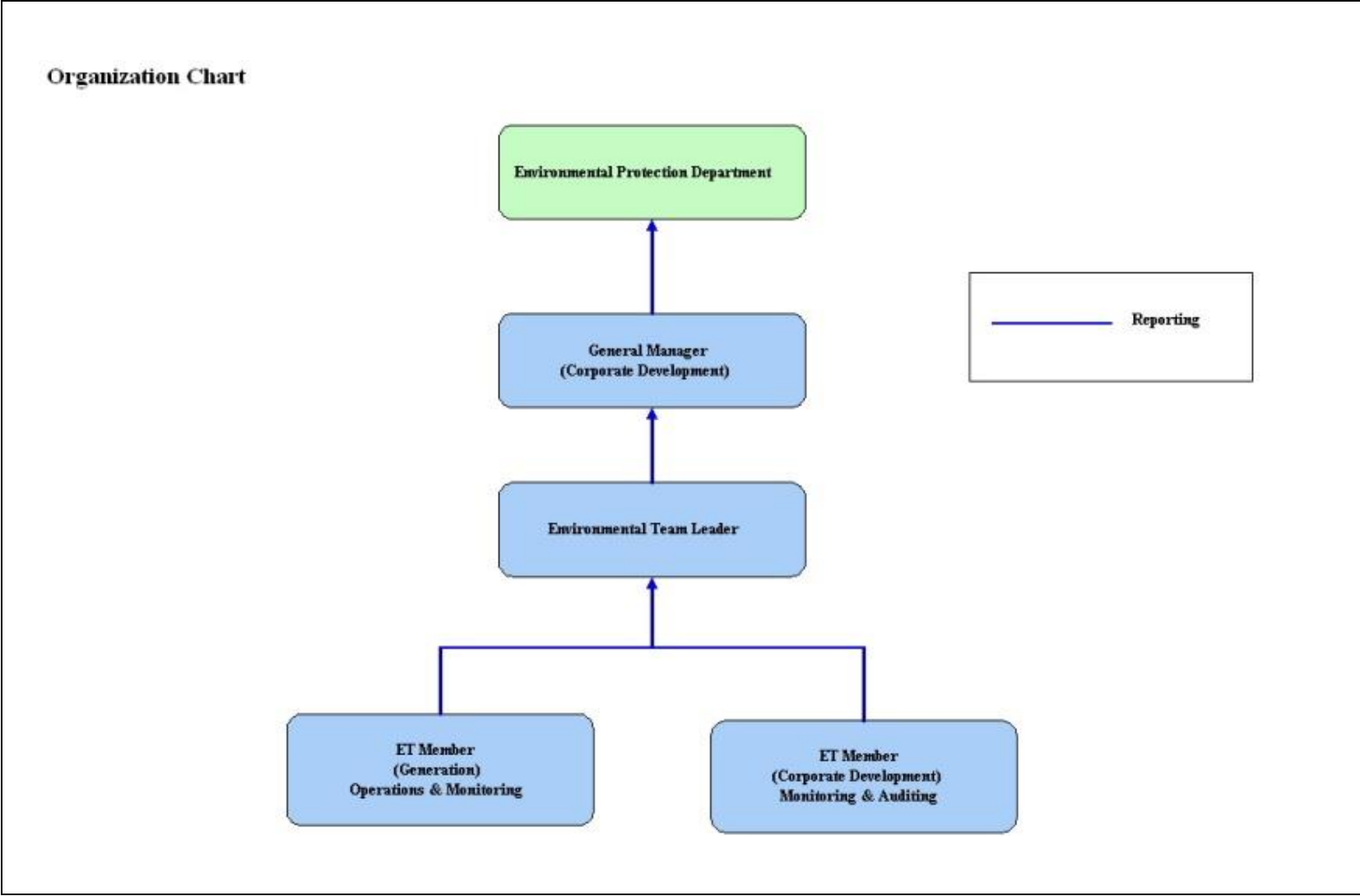


Figure 1.5 Organization Structure at Operational Phase of the Projects

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(13). 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.	01/01/22-31/03/22	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	01/01/22-31/03/22	0	0	
3	Ambient SO2 & NOx monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and Cheung Chau.	01/01/22-31/03/22	0	0	
Water					
1	pH in WWTP Effluent	01/01/22-31/03/22	0	0	
2	Suspended Solids in WWTP Effluent	01/01/22-31/03/22	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	01/01/22-31/03/22	0	0	
4	Barium in WWTP Effluent	01/01/22-31/03/22	0	0	
5	Mercury in WWTP Effluent	01/01/22-31/03/22	0	0	
6	Cadmium in WWTP Effluent	01/01/22-31/03/22	0	0	
7	Cyanide in WWTP Effluent	01/01/22-31/03/22	0	0	
8	Total Phosphorus in WWTP Effluent	01/01/22-31/03/22	0	0	
9	Total Nitrogen in WWTP Effluent	01/01/22-31/03/22	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 2022	2,807.36 MT	0 MT
February 2022	1,502.82 MT	73.24 MT
March 2022	1,959.77 MT	0 MT

4.3 Status of Environmental Licensing and Permitting

All permits/licenses obtained as of March 2022 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 or 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
-	-	-

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
-	-	-

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 2022. 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 or 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/Nm3	-	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	
	SO2	continuous	200 mg/Nm3 (1h)	190	200	
	NOx expressed as NO2 (For L4 and L5 only)	continuous	615 mg/Nm3 (1h)	585	615	
Chimney emissions	Ambient air SO2	Continuous at existing ambient air monitoring stations	800 (µg/m3) (1h)	-	800	ET to review data on post-hoc basis and check for possible power station contribution.
	NO2		300 (µg/m3) (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 2022 (January – March)

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/01/2022	33	59
02/01/2022	35	60
03/01/2022	20	33
04/01/2022	24	41
05/01/2022	15	18
06/01/2022	25	42
07/01/2022	27	46
08/01/2022	23	39
09/01/2022	24	42
10/01/2022	23	37
11/01/2022	21	37
12/01/2022	24	40
13/01/2022	32	51
14/01/2022	33	59
15/01/2022	26	47
16/01/2022	24	40
17/01/2022	18	38
18/01/2022	24	43
19/01/2022	17	31
20/01/2022	17	29
21/01/2022	19	34
22/01/2022	6	8
23/01/2022	11	16
24/01/2022	14	17
25/01/2022	14	20
26/01/2022	18	29
27/01/2022	17	25
28/01/2022	14	21
29/01/2022	15	26
30/01/2022	14	37
31/01/2022	13	23

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/02/2022	13	21
02/02/2022	8	12
03/02/2022	7	8
04/02/2022	11	21
05/02/2022	14	23
06/02/2022	19	35
07/02/2022	16	27
08/02/2022	7	11
09/02/2022	16	33
10/02/2022	16	30
11/02/2022	10	17
12/02/2022	13	21
13/02/2022	21	33
14/02/2022	11	17
15/02/2022	15	25
16/02/2022	23	44
17/02/2022	18	29
18/02/2022	12	22
19/02/2022	8	10
20/02/2022	7	5
21/02/2022	7	7
22/02/2022	6	7
23/02/2022	11	16
24/02/2022	16	30
25/02/2022	17	29
26/02/2022	19	31
27/02/2022	23	38
28/02/2022	19	32

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/03/2022	24	35
02/03/2022	22	33
03/03/2022	24	40
04/03/2022	25	41
05/03/2022	17	25
06/03/2022	25	47
07/03/2022	20	37
08/03/2022	12	22
09/03/2022	15	32
10/03/2022	18	34
11/03/2022	23	34
12/03/2022	19	30
13/03/2022	21	29
14/03/2022	19	27
15/03/2022	17	23
16/03/2022	18	31
17/03/2022	15	27
18/03/2022	28	37
19/03/2022	19	28
20/03/2022	17	26
21/03/2022	19	30
22/03/2022	16	21
23/03/2022	9	26
24/03/2022	8	11
25/03/2022	11	25
26/03/2022	22	26
27/03/2022	20	44
28/03/2022	9	13
29/03/2022	9	13
30/03/2022	13	19
31/03/2022	12	16

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 (%)
1/1/2022	*	*	*
2/1/2022	*	*	*
3/1/2022	*	*	*
4/1/2022	*	*	*
5/1/2022	*	*	*
6/1/2022	67	298	3
7/1/2022	86	320	4
8/1/2022	98	417	4
9/1/2022	110	386	4
10/1/2022	103	392	4
11/1/2022	83	375	4
12/1/2022	39	355	5
13/1/2022	32	398	5
14/1/2022	34	362	5
15/1/2022	23	388	4
16/1/2022	49	329	5
17/1/2022	25	291	5
18/1/2022	23	432	6
19/1/2022	22	397	5
20/1/2022	25	385	6
21/1/2022	25	352	5
22/1/2022	19	323	6
23/1/2022	27	325	5
24/1/2022	19	381	5
25/1/2022	20	289	5
26/1/2022	24	287	5
27/1/2022	35	337	4
28/1/2022	72	324	4
29/1/2022	50	339	4
30/1/2022	54	372	4
31/1/2022	44	364	4

Date	Daily Maximum		
	SO ₂ concentration (mg/Nm ³) [#]	NO _x concentration (mg/Nm ³) [#]	Opacity (%)
1/2/2022	62	394	4
2/2/2022	44	338	6
3/2/2022	50	388	4
4/2/2022	54	374	4
5/2/2022	45	353	4
6/2/2022	35	363	6
7/2/2022	38	418	5
8/2/2022	36	397	5
9/2/2022	45	427	10
10/2/2022	27	302	5
11/2/2022	33	362	5
12/2/2022	29	366	6
13/2/2022	32	362	6
14/2/2022	37	395	5
15/2/2022	34	401	5
16/2/2022	39	376	7
17/2/2022	38	377	4
18/2/2022	35	373	4
19/2/2022	34	333	7
20/2/2022	49	289	5
21/2/2022	42	191	7
22/2/2022	36	193	6
23/2/2022	42	341	6
24/2/2022	34	353	5
25/2/2022	33	412	5
26/2/2022	38	421	5
27/2/2022	*	*	*
28/2/2022	35	370	4

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/3/2022	30	384	5
2/3/2022	19	386	6
3/3/2022	40	362	6
4/3/2022	96	376	4
5/3/2022	146	380	8
6/3/2022	139	417	7
7/3/2022	140	449	6
8/3/2022	163	369	8
9/3/2022	104	385	6
10/3/2022	55	376	5
11/3/2022	64	404	5
12/3/2022	42	383	4
13/3/2022	24	372	5
14/3/2022	17	370	5
15/3/2022	37	421	5
16/3/2022	32	369	5
17/3/2022	27	283	6
18/3/2022	33	360	6
19/3/2022	19	356	5
20/3/2022	*	*	*
21/3/2022	28	389	6
22/3/2022	27	401	6
23/3/2022	50	409	5
24/3/2022	53	405	6
25/3/2022	58	380	7
26/3/2022	85	379	7
27/3/2022	39	346	5
28/3/2022	46	349	5
29/3/2022	73	372	5
30/3/2022	63	355	6
31/3/2022	28	347	5

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 (%)
1/1/2022	*	*	*
2/1/2022	*	*	*
3/1/2022	26	323	9
4/1/2022	18	469	7
5/1/2022	16	301	8
6/1/2022	17	365	7
7/1/2022	71	383	8
8/1/2022	135	381	7
9/1/2022	*	*	*
10/1/2022	102	403	7
11/1/2022	71	367	7
12/1/2022	22	253	9
13/1/2022	19	444	8
14/1/2022	10	395	7
15/1/2022	6	390	7
16/1/2022	*	*	*
17/1/2022	7	352	8
18/1/2022	7	386	8
19/1/2022	8	409	8
20/1/2022	2	414	8
21/1/2022	1	419	8
22/1/2022	1	189	8
23/1/2022	*	*	*
24/1/2022	4	357	8
25/1/2022	1	273	8
26/1/2022	3	337	8
27/1/2022	3	307	8
28/1/2022	18	390	8
29/1/2022	23	428	7
30/1/2022	*	*	*
31/1/2022	25	260	7

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) #	NOx concentration (mg/Nm3) #	Opacity (%)
1/2/2022	*	*	*
2/2/2022	*	*	*
3/2/2022	*	*	*
4/2/2022	*	*	*
5/2/2022	42	391	8
6/2/2022	*	*	*
7/2/2022	12	408	8
8/2/2022	12	257	8
9/2/2022	16	301	9
10/2/2022	21	346	9
11/2/2022	8	201	8
12/2/2022	8	295	9
13/2/2022	11	334	11
14/2/2022	18	315	10
15/2/2022	10	295	7
16/2/2022	8	255	8
17/2/2022	13	296	8
18/2/2022	20	328	9
19/2/2022	30	375	8
20/2/2022	*	*	*
21/2/2022	*	*	*
22/2/2022	*	*	*
23/2/2022	*	*	*
24/2/2022	*	*	*
25/2/2022	*	*	*
26/2/2022	22	507	8
27/2/2022	*	*	*
28/2/2022	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/3/2022	15	347	13
2/3/2022	11	461	12
3/3/2022	22	258	11
4/3/2022	41	246	9
5/3/2022	81	329	8
6/3/2022	*	*	*
7/3/2022	69	332	7
8/3/2022	51	331	7
9/3/2022	55	288	7
10/3/2022	32	263	7
11/3/2022	57	283	7
12/3/2022	49	315	7
13/3/2022	*	*	*
14/3/2022	33	318	8
15/3/2022	17	234	8
16/3/2022	22	227	7
17/3/2022	21	255	7
18/3/2022	51	348	9
19/3/2022	*	305	16
20/3/2022	*	434	14
21/3/2022	*	403	20
22/3/2022	*	357	19
23/3/2022	*	273	12
24/3/2022	*	*	*
25/3/2022	*	381	14
26/3/2022	*	363	16
27/3/2022	*	408	10
28/3/2022	*	418	12
29/3/2022	*	351	13
30/3/2022	*	429	11
31/3/2022	*	342	11

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 (%)
1/1/2022	*	*
2/1/2022	*	*
3/1/2022	*	*
4/1/2022	*	*
5/1/2022	*	*
6/1/2022	*	*
7/1/2022	*	*
8/1/2022	*	*
9/1/2022	*	*
10/1/2022	*	*
11/1/2022	*	*
12/1/2022	*	*
13/1/2022	*	*
14/1/2022	*	*
15/1/2022	*	*
16/1/2022	*	*
17/1/2022	*	*
18/1/2022	*	*
19/1/2022	*	*
20/1/2022	*	*
21/1/2022	*	*
22/1/2022	*	*
23/1/2022	*	*
24/1/2022	*	*
25/1/2022	*	*
26/1/2022	*	*
27/1/2022	*	*
28/1/2022	*	*
29/1/2022	*	*
30/1/2022	*	*
31/1/2022	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) [#]	Opacity (%)
1/2/2022	*	*
2/2/2022	*	*
3/2/2022	*	*
4/2/2022	*	*
5/2/2022	*	*
6/2/2022	*	*
7/2/2022	*	*
8/2/2022	*	*
9/2/2022	*	*
10/2/2022	*	*
11/2/2022	*	*
12/2/2022	*	*
13/2/2022	*	*
14/2/2022	*	*
15/2/2022	*	*
16/2/2022	*	*
17/2/2022	*	*
18/2/2022	*	*
19/2/2022	*	*
20/2/2022	*	*
21/2/2022	*	*
22/2/2022	*	*
23/2/2022	*	*
24/2/2022	*	*
25/2/2022	*	*
26/2/2022	*	*
27/2/2022	*	*
28/2/2022	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) [#]	Opacity (%)
1/3/2022	*	*
2/3/2022	*	*
3/3/2022	*	*
4/3/2022	*	*
5/3/2022	*	*
6/3/2022	*	*
7/3/2022	*	*
8/3/2022	*	*
9/3/2022	*	*
10/3/2022	*	*
11/3/2022	*	*
12/3/2022	*	*
13/3/2022	*	*
14/3/2022	*	*
15/3/2022	*	*
16/3/2022	*	*
17/3/2022	*	*
18/3/2022	*	*
19/3/2022	35	16
20/3/2022	50	15
21/3/2022	*	*
22/3/2022	*	*
23/3/2022	*	*
24/3/2022	42	16
25/3/2022	*	*
26/3/2022	59	19
27/3/2022	106	14
28/3/2022	*	*
29/3/2022	*	*
30/3/2022	*	*
31/3/2022	*	*

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 stack particulate sampling was conducted at L2, L4 and L5 in January to March 2022.

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 : 2022
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
1	1	1	1	2	3	4	5	0	-	7	0	-	3	2	100	0

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

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

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	16	15	15	13	14	15	20	20	26	28	32	25	25	32	37	30	37	43	56	70	101	57	56	33
2	47	28	30	21	21	21	29	43	45	54	42	43	34	46	36	34	31	37	43	27	21	15	14	18	33
3	15	12	12	11	11	11	12	14	22	28	27	20	18	16	20	29	52	31	43	18	16	11	11	19	20
4	13	10	10	12	12	12	12	16	23	24	24	20	15	14	16	22	35	31	26	20	15	13	12	14	18
5	11	M	9	7	8	9	9	14	29	21	28	29	23	27	29	36	34	49	68	97	90	75	78	65	37
6	24	11	8	12	11	10	16	32	55	46	33	20	12	14	13	15	14	15	15	15	18	19	15	15	19
7	14	13	12	12	11	11	16	24	30	26	25	28	26	26	30	34	37	40	41	27	25	19	21	22	24
8	17	15	16	20	15	16	20	20	20	25	19	17	14	15	17	16	11	10	11	19	24	17	23	21	17
9	16	11	11	11	10	10	11	13	16	14	15	19	18	24	31	30	25	36	50	47	39	24	22	27	22
10	20	17	15	14	14	15	18	20	25	31	30	27	23	27	33	37	33	42	34	37	38	30	30	98	30
11	100	67	47	33	23	18	20	26	29	25	18	21	24	25	31	32	40	46	51	54	49	43	32	24	37
12	17	16	15	14	14	13	14	19	24	28	25	23	22	24	23	23	29	28	25	28	29	20	17	19	21
13	20	14	14	17	26	35	35	46	47	48	51	40	34	36	44	47	57	63	57	49	47	34	32	22	38
14	18	17	15	14	12	12	13	16	17	15	19	20	20	23	19	17	18	20	21	20	17	17	17	17	17
15	15	12	12	11	10	9	10	13	18	25	24	25	30	32	33	37	23	18	18	16	12	11	13	12	18
16	10	10	13	11	8	8	8	13	11	18	17	23	17	19	20	21	25	19	10	9	12	19	13	12	14
17	11	10	8	8	7	8	10	16	19	27	24	26	21	19	27	31	39	44	47	46	35	28	27	18	23
18	13	11	13	23	54	51	40	42	45	44	27	29	29	44	44	39	52	61	70	66	66	60	57	58	43
19	55	M	45	37	34	26	23	36	33	33	36	34	37	41	34	30	35	41	42	48	50	37	36	27	37
20	26	19	17	14	12	11	13	19	27	26	20	20	16	18	18	22	29	42	46	23	24	20	17	18	22
21	16	12	11	10	9	11	14	17	23	23	17	15	17	15	18	28	31	23	20	21	14	11	8	12	17
22	11	10	8	8	8	7	10	14	13	12	13	18	13	16	22	25	34	16	9	9	11	10	21	10	14
23	8	7	8	8	7	7	8	12	14	11	17	11	20	21	25	36	42	44	65	77	57	56	15	29	25
24	17	14	16	42	31	18	10	16	23	33	27	27	16	22	20	16	15	18	15	13	15	12	14	13	19
25	10	7	7	6	6	6	7	8	21	27	24	20	21	21	24	24	33	44	56	37	25	21	19	15	20
26	14	10	10	9	8	9	9	13	17	21	16	11	12	14	18	27	26	22	36	44	35	9	12	14	17
27	10	9	9	7	7	7	6	11	19	38	29	27	26	29	32	37	36	50	60	32	16	6	13	25	23
28	25	13	7	7	8	8	10	14	19	20	19	16	14	9	14	15	23	22	19	16	13	13	8	10	14
29	10	9	9	8	8	8	9	13	22	31	31	27	22	27	28	30	31	45	53	42	34	38	39	30	25
30	25	24	16	21	23	16	16	16	16	13	15	17	16	16	31	24	23	23	22	28	28	23	15	10	20
31	9	7	6	5	7	6	7	11	14	14	14	11	12	12	16	17	24	27	27	22	13	13	12	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	
20	20	24	20	43	52	65	73	5	-	101	13	-	43	2	100	0	

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: JANUARY

YEAR : 2022

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES			
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL			
1	1	1	1	1	2	3	3	4	0	-	10	0	-	2	2	90	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: JANUARY

YEAR : 2022

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	12	10	10	10	10	12	12	12	14	15	15	16	16	15	14	15	14	13	19	27	31	30	13	15
2	18	17	15	16	24	36	38	30	33	31	20	19	17	17	14	14	13	15	10	12	12	11	9	7	19
3	6	7	7	7	7	6	7	9	10	10	9	10	9	8	9	10	10	11	13	22	15	12	10	10	10
4	9	9	8	8	8	9	8	10	11	10	10	9	9	9	8	12	13	13	12	12	9	8	8	9	10
5	8	M	8	6	6	6	5	6	8	9	7	7	7	4	5	7	7	10	13	16	17	30	30	12	10
6	13	10	8	12	12	13	18	27	23	19	21	13	8	9	10	13	16	18	14	15	11	12	11	9	14
7	10	10	9	9	9	8	9	12	14	10	11	11	11	11	11	15	13	12	12	12	11	11	11	12	11
8	10	10	14	14	14	13	14	15	13	14	13	12	11	10	11	9	9	10	8	8	10	9	9	10	11
9	10	8	7	8	7	8	8	8	9	9	9	9	11	10	11	18	20	14	11	10	9	13	16	13	11
10	12	15	12	12	12	11	11	9	10	11	10	11	9	9	10	11	9	9	9	9	14	10	7	24	11
11	48	96	64	34	23	16	14	17	21	21	27	22	M	26	44	44	34	28	28	24	14	11	11	16	30
12	19	14	13	12	12	11	12	12	10	10	10	10	10	11	11	11	11	11	10	13	11	12	11	10	12
13	11	12	12	14	15	23	25	21	14	18	18	22	32	28	23	33	49	37	38	30	23	18	14	18	23
14	15	13	12	11	10	9	9	9	10	11	12	11	11	10	10	10	11	M	M	M	M	M	M	M	11
15	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
16	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
17	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	13	18	10	15	9	13	12	10	
18	9	8	9	8	6	11	24	26	15	17	15	12	14	14	15	22	27	41	49	63	66	64	61	52	27
19	41	M	26	29	38	30	26	25	15	13	17	28	39	22	8	7	7	8	6	12	30	13	16	11	20
20	11	9	7	7	7	8	10	12	12	13	9	8	8	8	7	9	11	12	12	13	12	11	10	9	10
21	8	8	7	7	7	8	9	9	9	8	7	7	7	6	7	10	10	10	8	7	7	5	5	5	8
22	4	4	4	5	6	8	6	6	6	5	6	7	5	4	3	6	11	8	5	4	4	5	4	5	5
23	5	5	6	6	5	5	6	7	7	6	10	6	5	7	11	12	12	15	22	30	38	40	33	36	14
24	47	35	79	41	50	44	22	21	14	11	12	10	8	7	7	7	10	9	9	7	7	7	6	6	20
25	7	5	5	4	4	4	4	4	6	6	6	5	5	5	5	9	7	14	13	12	10	12	11	8	7
26	8	8	7	7	6	6	6	6	8	10	8	7	7	7	7	8	13	17	15	11	10	6	6	7	8
27	6	6	7	6	5	6	8	12	14	7	10	15	10	8	6	8	10	14	12	7	5	5	6	6	8
28	8	7	7	7	6	4	5	7	7	7	9	6	7	4	6	5	5	5	6	4	4	4	4	5	6
29	5	5	6	5	5	6	6	9	12	15	11	12	10	10	5	5	8	19	38	44	49	47	46	42	18
30	37	34	28	23	11	11	14	11	13	10	9	11	9	18	17	26	12	10	9	7	8	4	5	6	14
31	7	6	5	5	6	5	4	4	5	8	7	7	6	6	8	15	11	11	10	9	6	7	8	4	7

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
11	10	13	10	26	36	47	55	3	-	96	5	-	30	2	90	0

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2022
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
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	5	5	6	6	6	7	7	7	8	8	9	9	9	14	16	14	13	14	18	20	20	10
2	18	19	16	16	12	10	11	13	15	25	33	35	37	27	24	18	15	13	14	14	11	8	7	7	17
3	6	5	5	4	4	4	5	7	9	11	14	13	11	11	12	16	18	18	16	16	14	12	16	13	11
4	7	5	6	5	4	5	7	7	10	11	12	12	11	9	10	10	17	16	15	11	8	6	6	6	9
5	6	M	4	3	3	3	4	6	11	13	12	13	12	12	13	17	15	18	22	22	24	23	26	22	13
6	22	11	9	10	7	7	7	15	19	27	28	16	10	10	11	13	17	13	11	8	8	8	7	8	13
7	7	6	5	5	4	4	5	7	9	10	10	9	10	10	12	14	14	13	13	10	9	8	7	7	9
8	6	5	5	5	4	4	4	5	7	8	8	8	7	10	11	10	11	8	6	7	8	6	5	6	7
9	4	4	4	3	3	3	3	5	5	6	7	7	15	9	8	8	17	10	11	11	10	8	8	9	7
10	8	4	4	4	4	4	6	8	11	11	10	12	10	9	9	10	15	13	13	12	13	12	15	17	10
11	20	18	13	10	8	6	5	7	9	9	9	9	9	11	15	14	13	14	15	15	13	14	12	12	12
12	8	6	5	4	4	3	5	6	8	10	11	10	8	8	10	14	12	13	12	10	10	9	8	8	8
13	6	5	5	4	5	8	8	10	13	16	17	15	13	14	16	18	20	21	19	17	15	14	12	9	13
14	7	6	5	5	4	5	7	8	8	11	10	9	9	10	12	13	12	12	11	10	9	8	8	6	9
15	6	5	5	4	4	4	5	6	9	12	15	17	20	18	14	11	12	10	10	9	7	7	6	5	9
16	5	4	4	3	3	3	4	5	4	5	6	6	7	10	16	11	10	10	8	7	6	6	5	5	6
17	4	3	3	2	2	3	3	5	7	10	10	9	9	11	12	15	15	16	14	12	11	9	7	7	8
18	6	4	4	7	10	10	11	11	11	12	13	12	12	13	14	15	15	17	17	17	17	16	15	14	12
19	14	M	11	10	9	9	7	8	10	12	18	19	19	19	23	14	13	11	10	12	13	14	12	11	13
20	10	8	7	5	4	4	4	6	9	11	12	11	10	10	11	17	19	18	17	13	11	9	8	7	10
21	7	6	5	4	4	4	6	8	10	15	13	12	11	11	12	14	14	16	11	9	7	7	5	5	9
22	5	5	3	3	2	3	4	5	8	9	7	8	8	7	8	9	11	11	6	6	5	5	7	5	6
23	4	3	3	2	2	2	3	4	8	12	12	14	14	13	17	14	17	20	23	22	21	20	19	17	12
24	18	19	15	14	14	14	13	13	13	16	21	22	23	22	17	19	14	12	10	8	7	6	6	6	14
25	5	4	3	3	3	3	4	7	10	12	12	9	10	12	13	9	9	12	15	16	9	8	7	5	8
26	5	4	4	3	3	3	4	6	8	10	9	10	9	10	11	13	12	11	11	15	23	12	6	6	9
27	4	4	4	3	3	3	7	17	10	13	12	12	12	9	9	9	11	11	11	9	8	12	16	15	9
28	15	14	8	6	4	4	6	7	8	11	9	9	7	7	8	10	9	9	9	7	6	5	5	6	8
29	5	4	3	3	3	3	4	7	9	9	11	12	14	12	10	8	9	17	17	16	15	14	14	11	10
30	10	8	7	5	5	4	4	4	5	5	6	7	8	11	10	7	11	14	10	11	11	10	7	4	8
31	3	3	2	2	3	2	3	4	5	6	5	5	5	5	5	6	7	9	11	9	5	4	4	3	5

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
9	9	10	9	17	19	22	25	2	-	37	5	-	17	2	100	0

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

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

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2022
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	8	7	7	8	8	8	9	9	9	9	9	9	9	10	12	10	9	8	9	10	10	11	9
2	10	9	9	9	9	10	11	12	16	19	19	15	15	13	13	11	9	8	8	8	9	8	8	7	11
3	7	7	7	7	7	7	7	8	8	9	8	8	9	8	8	9	9	8	8	7	7	8	8	8	8
4	8	8	8	8	8	8	9	9	9	8	8	8	8	8	8	9	9	8	8	8	7	7	7	7	8
5	7	7	7	7	7	7	8	8	8	8	10	10	8	10	11	12	10	9	9	9	9	9	8	9	9
6	8	8	9	8	8	7	8	8	12	14	10	8	8	9	9	9	8	8	8	7	7	7	7	7	8
7	7	7	7	7	7	8	7	7	8	8	8	8	8	8	8	9	8	8	8	7	7	7	7	7	8
8	7	7	8	8	8	8	8	8	9	8	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8
9	8	8	8	8	8	8	8	8	9	8	8	7	9	9	9	9	10	9	8	8	8	8	8	8	8
10	8	9	8	8	9	9	8	8	9	10	10	9	10	10	13	10	9	8	8	8	8	8	9	9	9
11	11	10	9	8	9	9	9	9	10	8	7	7	8	9	10	8	8	8	8	8	8	8	9	8	9
12	8	9	8	9	9	8	10	10	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8
13	8	8	8	8	9	9	9	9	10	10	9	9	9	10	10	10	10	9	10	10	10	10	10	9	9
14	9	9	10	9	9	9	8	9	10	11	10	9	9	8	9	9	8	8	8	8	8	8	8	8	9
15	7	8	8	8	8	7	7	8	8	9	9	12	13	11	10	9	10	8	8	7	8	7	8	7	9
16	7	7	7	7	8	8	7	7	7	7	8	8	8	8	9	9	8	8	8	7	7	8	10	9	8
17	8	8	8	8	8	9	9	11	8	7	7	7	7	7	8	7	7	7	7	7	7	7	7	7	8
18	7	7	7	9	9	9	10	10	9	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9
19	8	9	8	8	8	9	8	10	9	10	9	8	8	13	10	9	9	8	8	9	9	9	9	8	9
20	8	8	8	8	8	8	8	8	9	8	8	8	8	8	8	8	9	9	8	8	8	8	8	8	8
21	8	8	8	8	8	8	8	8	9	9	8	8	8	8	8	10	11	9	8	8	8	8	8	8	8
22	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	8	8	8	8	8	8	8	8
23	8	8	8	8	8	8	8	8	8	9	11	11	10	11	13	11	11	10	11	11	12	11	11	12	10
24	11	12	11	13	12	11	12	13	12	18	23	14	14	11	9	9	8	8	8	8	8	8	7	7	11
25	8	8	7	8	8	8	8	8	8	8	8	7	7	8	8	9	8	8	8	8	8	8	8	8	8
26	8	7	8	8	8	7	7	7	8	9	8	8	8	8	8	9	9	8	8	8	8	8	8	8	8
27	7	7	8	8	8	8	8	7	8	8	10	9	14	8	8	8	9	8	8	8	8	8	8	8	8
28	7	8	8	8	8	8	8	8	8	8	7	7	7	8	8	8	8	8	7	7	8	8	8	8	8
29	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	10	10	11	10	11	10	10	9
30	10	10	9	9	10	10	9	9	10	9	8	8	8	9	9	8	9	8	8	8	9	8	8	9	9
31	9	8	8	8	7	7	7	7	7	8	8	8	9	10	9	8	9	11	11	11	11	11	11	11	9

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
8	8	9	8	10	11	13	14	7	-	23	8	-	11	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: JANUARY

STATION : POK FU LAM
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	14	14	12	11	10	14	19	17	18	18	21	25	23	22	38	63	88	72	87	87	126	114	117	44
2	115	81	53	55	54	65	77	59	68	80	85	71	66	49	42	30	26	34	42	56	58	38	14	17	56
3	12	9	8	11	11	9	22	29	36	34	27	22	21	19	23	38	49	51	59	70	53	57	33	18	30
4	16	12	9	9	10	11	12	17	26	26	15	15	19	15	24	28	43	54	47	36	16	13	11	11	21
5	9	6	5	6	8	8	29	35	36	33	38	43	26	30	34	49	42	61	105	108	118	115	113	116	49
6	90	84	92	44	25	14	55	56	76	79	48	21	12	12	19	23	24	25	21	19	16	14	12	12	37
7	11	10	9	10	8	9	15	23	27	29	26	23	21	26	29	52	31	41	32	36	25	24	20	13	23
8	11	16	24	21	14	11	16	29	31	24	19	17	16	20	19	18	12	13	24	28	20	18	15	15	19
9	16	M	8	7	8	8	9	14	18	17	12	18	33	29	25	24	51	32	54	55	31	21	21	22	23
10	16	9	10	9	9	9	16	27	38	51	39	25	26	36	48	37	44	60	63	75	67	50	75	109	40
11	103	64	44	31	23	18	23	35	36	28	26	23	24	26	39	34	42	60	69	65	56	60	59	32	43
12	15	14	13	12	12	10	15	23	30	32	25	24	24	21	21	29	29	38	40	29	27	21	20	16	23
13	13	11	11	21	33	39	38	58	60	59	57	38	36	45	49	49	68	68	66	57	51	39	29	18	42
14	14	14	12	10	8	9	12	18	20	17	19	20	21	17	23	24	31	35	33	28	23	18	17	14	19
15	15	11	10	9	7	6	7	11	18	46	32	50	56	37	36	32	45	17	26	19	13	11	12	10	22
16	8	12	10	9	17	6	9	12	15	17	17	20	18	20	22	21	25	22	13	9	10	17	58	30	17
17	11	10	8	15	9	33	31	40	47	25	28	26	24	22	30	36	35	40	39	46	41	29	22	25	28
18	13	8	10	46	55	52	49	53	55	48	35	39	50	53	60	63	70	79	83	83	78	69	66	63	53
19	58	51	48	43	44	39	39	44	48	43	46	39	32	49	38	37	38	40	52	75	64	44	44	32	45
20	31	32	22	13	9	7	11	15	24	20	17	11	12	9	17	22	23	52	58	55	39	33	27	15	24
21	15	11	10	10	8	10	15	25	32	31	24	23	20	24	29	53	69	63	39	21	16	13	9	9	24
22	9	8	5	6	6	6	12	15	29	16	21	24	18	22	31	25	46	40	22	13	7	10	18	8	17
23	9	M	6	6	10	19	11	18	18	32	41	34	28	38	50	47	66	80	100	88	95	91	88	82	46
24	82	80	75	79	71	70	75	73	71	80	54	57	57	54	29	26	21	27	29	22	15	13	15	12	49
25	8	5	4	4	10	5	17	20	23	27	24	19	15	19	22	22	27	41	47	32	18	16	15	11	19
26	10	8	7	7	6	6	9	14	24	31	27	19	19	13	26	35	51	40	44	60	71	25	13	15	24
27	12	9	7	6	6	9	32	23	23	51	41	27	36	17	20	18	30	37	46	36	30	45	55	65	28
28	51	49	33	19	10	8	11	15	29	32	31	24	21	17	25	26	22	17	19	17	12	11	8	18	22
29	11	7	7	7	7	8	9	19	18	36	31	31	24	23	24	24	41	53	53	48	42	43	42	31	27
30	24	21	16	12	15	12	14	18	16	16	15	16	20	27	20	17	29	26	17	24	26	40	34	8	20
31	8	6	5	5	6	5	7	12	14	12	7	10	11	13	23	20	18	23	39	21	13	11	9	7	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			
24	24	31	24	61	77	91	111	4	-	126	13	-	56	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 : 2022
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
2	0	0	0	0	2	4	5	0	-	15	0	-	2	2	100	0

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

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

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
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	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	16	33	49	74	93	88	43	17
2	48	31	25	42	60	66	55	53	56	58	61	31	10	5	2	0	0	2	6	2	2	0	0	0	26
3	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	16	27	17	12	1	5	3
4	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4	4	0	0	0	0	0	1
5	0	0	0	0	0	0	0	2	5	0	0	18	10	0	1	16	10	14	34	56	75	61	73	59	18
6	47	4	0	0	0	15	14	29	43	45	15	0	0	0	0	0	0	M	0	0	0	0	0	0	9
7	0	0	0	0	0	0	3	11	14	6	6	4	4	8	4	4	4	7	6	4	5	1	3	2	4
8	0	0	0	0	0	1	4	6	1	0	0	0	0	0	0	0	0	0	0	0	4	0	1	7	1
9	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	7	16	14	5	8	8	3
10	6	1	0	0	0	0	0	2	4	3	1	2	0	0	0	0	1	4	8	14	8	15	16	68	6
11	70	M	35	21	9	5	8	10	14	14	9	12	10	13	29	22	27	35	35	37	34	42	24	10	23
12	4	2	1	1	1	3	5	6	6	7	5	5	2	6	5	6	10	12	11	13	17	5	4	3	6
13	1	0	0	0	7	17	22	31	33	35	23	36	25	33	46	M	50	38	48	47	39	29	24	9	26
14	5	3	1	0	0	0	2	10	3	2	4	4	3	4	5	5	7	10	4	4	1	0	1	3	3
15	3	0	1	0	0	0	2	4	6	10	9	9	7	4	1	0	2	8	3	3	0	1	0	3	3
16	0	0	0	0	0	0	1	6	2	5	9	4	4	3	0	0	3	3	3	10	3	4	2	1	3
17	0	0	0	0	0	0	1	8	7	9	5	4	2	0	2	7	13	10	17	9	8	15	13	3	6
18	1	1	2	20	44	42	37	39	31	19	7	13	26	37	37	32	35	47	62	63	63	55	56	51	34
19	45	39	35	29	25	33	25	28	27	25	34	38	39	35	16	7	5	7	10	18	42	36	29	19	27
20	14	8	4	1	0	1	0	1	8	3	0	3	0	0	0	0	1	5	10	10	7	6	5	7	4
21	1	0	0	0	0	1	5	8	2	2	0	0	1	0	0	3	7	6	2	1	0	0	0	0	2
22	0	0	0	0	0	0	0	1	0	1	0	1	0	1	5	10	13	6	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	3	5	6	18	0	1	20	6	5	13	28	41	70	76	73	69	67	21
24	65	64	62	61	61	57	58	34	21	29	25	0	1	2	0	1	3	5	1	0	0	0	0	0	23
25	1	M	0	0	0	0	1	0	7	6	4	1	2	6	3	1	1	16	18	5	9	10	11	2	5
26	0	0	0	0	0	1	0	4	9	2	3	0	0	1	2	8	7	7	16	11	9	1	1	2	4
27	0	0	0	0	0	0	4	9	2	2	4	5	1	1	0	0	6	6	11	13	17	12	0	10	4
28	8	14	4	1	0	0	2	1	1	2	2	1	1	0	0	0	2	6	4	2	1	0	0	1	2
29	0	0	0	0	0	0	0	2	3	14	14	11	6	3	1	2	2	28	43	33	32	31	30	23	12
30	15	12	7	7	9	3	5	5	7	1	7	10	10	28	16	12	7	15	9	9	15	14	7	1	10
31	0	0	0	0	0	0	0	0	2	2	3	3	1	0	2	5	7	11	10	6	4	1	0	0	2

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
7	3	10	3	34	48	63	70	0	-	93	1	-	34	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: JANUARY

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2022
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	1	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	0	0	1	1	1	1
2	1	1	1	1	1	2	2	3	3	3	4	3	4	3	3	3	2	1	0	0	1	1	0	0	2
3	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
4	1	1	1	0	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	1	1
5	0	0	0	0	0	0	0	0	1	2	0	0	1	1	1	1	1	0	1	0	0	0	1	1	0
6	1	0	1	0	0	1	1	1	1	2	2	3	2	1	1	1	1	1	0	0	0	0	0	1	1
7	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
8	0	1	0	0	0	0	0	0	3	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	0	0	1	2	2	2	1	0	0	0	0	0	0	0	0	0	2	1
11	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
12	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	1	0	1	0
13	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
14	2	1	1	1	1	1	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
18	1	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	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	1	0	0	1	1	0	1	1	0	0	0	0	0	1	0
24	1	1	0	0	1	1	1	1	1	2	3	4	3	2	1	1	0	0	0	0	0	0	0	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	M	M	1	0	0	0	0	0	0	1	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	0	0	0	1	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY STATISTICS:

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

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

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

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
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	9	14	9	8	5	8	10	23	26	31	35	23	11	7	10	12	36	56	83	81	60	57	71	29
2	83	75	83	80	86	69	61	72	55	40	42	33	34	18	13	13	21	15	10	9	12	15	10	24	41
3	11	6	8	6	5	5	6	6	11	17	16	13	5	3	3	3	4	5	6	8	11	11	20	51	10
4	76	93	35	6	14	22	28	10	11	24	23	20	5	6	12	3	4	5	7	13	10	9	11	9	19
5	10	M	12	7	5	20	21	52	50	46	7	20	18	6	6	9	12	12	39	24	56	40	62	66	26
6	52	59	67	64	42	63	70	50	38	44	47	46	22	3	7	7	4	8	10	10	9	11	9	11	31
7	10	10	10	8	10	29	36	25	23	17	14	12	17	14	6	6	10	11	9	12	18	14	6	13	14
8	46	36	33	23	24	32	30	41	36	21	19	11	5	6	4	5	3	5	3	3	10	12	12	11	18
9	10	21	5	12	3	14	26	13	11	16	12	13	11	8	7	12	11	18	13	12	13	14	16	38	14
10	38	24	11	28	29	42	21	15	15	29	29	33	26	7	5	6	6	8	13	9	8	20	24	80	22
11	69	49	33	23	15	15	15	16	15	17	17	21	28	25	29	28	42	52	39	35	41	30	31	29	30
12	24	21	19	17	22	28	29	22	26	19	22	25	30	38	32	21	27	20	18	35	50	33	10	15	25
13	19	25	19	30	39	46	43	42	39	35	34	40	34	39	34	37	38	39	45	42	38	29	24	29	35
14	39	27	28	13	7	11	7	14	24	17	29	26	17	24	29	31	35	22	21	22	16	11	15	18	21
15	26	16	10	12	8	6	7	10	17	12	22	17	9	6	4	5	6	9	10	15	17	9	9	22	12
16	20	7	16	18	21	21	36	50	31	31	25	33	26	27	23	12	17	19	11	8	31	29	27	23	23
17	23	14	3	6	11	15	5	9	11	18	11	7	6	3	6	6	16	15	12	17	12	31	68	63	16
18	59	9	25	50	49	48	38	43	33	30	34	46	48	49	49	53	59	56	62	62	53	49	46	37	45
19	31	M	30	31	29	33	35	38	27	25	23	23	19	22	14	21	20	13	10	8	15	39	35	33	25
20	25	44	38	23	20	25	50	11	14	31	24	10	17	3	1	1	2	3	4	7	10	9	10	31	17
21	15	8	7	5	8	5	5	12	15	17	5	21	10	5	4	7	5	6	9	9	7	9	10	6	9
22	13	5	5	4	7	7	5	7	8	9	11	13	10	9	13	26	27	20	10	14	9	7	8	3	10
23	8	4	3	2	5	9	22	29	32	36	34	18	19	22	19	23	30	23	26	18	27	26	22	37	21
24	45	57	45	47	58	55	59	60	53	61	46	47	24	26	3	9	6	12	13	12	30	16	13	10	34
25	9	7	4	2	8	14	5	3	15	36	33	11	22	M	M	11	8	12	14	15	19	35	46	44	17
26	14	10	11	12	9	10	7	13	24	16	9	13	5	5	5	11	12	24	26	12	7	5	6	28	12
27	27	22	14	12	8	35	46	11	21	14	8	11	11	7	9	14	11	13	10	12	9	14	17	19	16
28	46	31	28	16	10	6	6	15	9	8	11	14	12	19	10	17	18	26	16	11	19	8	9	10	16
29	13	14	13	9	17	14	7	10	17	19	29	25	15	14	10	6	6	19	36	33	30	29	33	32	19
30	30	28	23	19	7	18	11	11	12	14	10	13	15	16	13	16	21	17	21	20	22	24	16	37	18
31	34	19	15	20	7	14	6	11	24	23	31	29	31	28	28	26	28	27	29	34	38	35	33	31	25

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
16	17	22	17	45	56	68	78	1	-	93	9	-	45	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 : 2022
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

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

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

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

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
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	6	5	5	5	6	17	15	13	12	18	20	26	28	26	26	17	25	18	7	5	6	6	14
2	5	4	4	4	4	4	4	6	9	7	9	8	10	9	8	9	11	16	19	19	28	38	27	33	12
3	21	21	19	9	9	9	10	11	13	13	12	14	18	18	19	16	11	14	19	24	33	26	18	26	17
4	20	19	14	13	7	5	9	15	27	27	21	14	15	12	18	23	23	23	31	32	17	14	11	18	18
5	18	11	5	5	6	5	7	10	13	17	13	13	11	11	9	12	20	14	21	15	13	12	12	8	12
6	8	8	6	6	6	5	7	11	9	7	8	9	6	5	5	6	9	10	11	11	10	7	6	8	8
7	5	5	3	4	4	5	5	6	8	12	12	14	16	16	25	23	32	50	59	71	35	17	21	19	19
8	16	17	13	10	14	12	8	12	18	15	12	M	13	15	18	18	18	22	24	25	16	14	13	12	15
9	8	6	5	4	4	4	7	12	19	25	25	26	22	22	27	50	51	59	67	67	66	62	64	60	32
10	32	48	38	29	13	7	6	9	25	32	35	25	19	23	26	29	30	13	15	9	6	5	5	7	20
11	5	4	4	5	4	4	3	7	14	21	20	22	19	19	22	M	2	2	1	1	0	0	0	0	8
12	0	0	0	0	0	0	0	6	8	13	16	8	5	4	8	13	8	24	25	48	46	36	24	0	12
13	0	0	0	0	0	0	0	0	1	7	15	13	19	19	13	13	14	17	24	10	12	25	10	18	10
14	9	0	0	0	0	2	2	5	5	8	9	5	1	2	4	0	8	25	3	0	1	0	0	0	4
15	0	0	0	0	0	0	0	0	4	6	4	1	1	2	4	6	29	14	26	4	3	2	0	0	4
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	5	8	10	11	11	10	8	13	12	13	18	15	10	2	0	0	0	6
20	0	0	0	0	0	0	0	0	0	0	1	1	1	3	1	3	2	7	1	1	2	0	0	2	1
21	0	0	0	0	0	0	0	2	11	20	19	27	20	18	16	23	28	23	26	24	17	6	1	2	12
22	0	0	0	0	0	0	0	1	10	25	20	15	2	16	16	26	20	33	28	32	23	4	13	8	12
23	11	3	3	0	0	0	0	0	5	3	1	5	9	7	13	12	12	14	19	13	8	3	2	6	6
24	2	0	0	0	0	1	13	10	14	10	14	13	12	14	20	20	21	35	34	32	43	59	45	40	19
25	27	5	5	5	1	0	0	4	14	18	13	12	13	21	21	8	8	15	26	52	44	25	5	0	14
26	2	0	0	0	0	0	0	0	4	15	19	16	24	40	55	43	39	62	21	20	15	12	15	17	
27	20	16	10	9	8	8	8	16	17	33	30	8	1	0	0	2	6	0	0	0	1	0	0	2	8
28	0	0	0	0	0	0	0	0	1	3	1	1	1	1	3	0	3	1	0	0	0	0	0	0	1

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
10	7	11	7	26	33	51	61	0	-	71	0	-	32	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 : 2022

UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

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

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: FEBRUARY

YEAR : 2022

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	4	4	3	3	4	5	7	5	4	5	7	14	25	24	17	9	5	6	5	4	3	3	7
2	2	2	3	3	3	3	2	3	3	4	5	4	5	5	6	6	6	8	12	8	5	5	7	6	5
3	11	20	23	6	5	10	19	19	15	9	13	12	16	24	25	23	30	37	41	43	41	39	37	23	23
4	25	21	16	12	6	4	5	11	14	19	28	18	19	17	22	29	25	12	6	9	5	5	4	2	14
5	3	3	2	3	5	3	3	4	5	6	6	6	4	4	5	4	6	7	8	5	5	7	7	6	5
6	9	5	4	4	4	5	5	6	6	4	5	4	4	5	5	5	5	6	7	6	6	5	5	3	5
7	4	4	2	2	3	3	3	4	4	4	5	3	3	6	10	13	19	73	58	57	65	73	63	65	23
8	65	63	62	55	40	3	5	7	6	6	3	3	5	6	4	6	7	6	7	5	6	6	6	6	16
9	5	3	3	2	3	4	4	4	5	6	4	6	7	8	18	21	27	51	35	71	49	39	46	57	20
10	30	33	34	8	6	5	5	8	9	9	9	9	10	8	8	7	6	6	9	8	6	4	3	3	10
11	3	3	2	3	2	1	2	2	3	3	5	3	3	3	4	4	5	6	7	5	5	7	5	4	4
12	3	3	2	4	6	6	11	13	16	11	9	10	5	6	4	6	7	10	8	13	M	3	2	4	7
13	7	7	4	4	5	5	7	7	10	10	12	16	18	24	42	41	39	26	28	31	22	40	43	33	20
14	25	16	13	13	36	18	25	16	18	19	19	9	6	4	3	3	9	11	10	4	6	7	5	5	13
15	5	4	5	5	8	8	6	8	9	7	6	7	7	7	7	9	9	8	9	7	9	6	6	5	7
16	7	8	5	4	4	4	4	6	7	6	7	6	5	6	6	6	5	4	5	5	4	4	6	6	5
17	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	4	6	5	5	6	6	5	5	3	5
18	4	3	3	3	2	2	5	4	4	5	4	4	4	4	4	4	4	4	4	3	4	5	3	3	4
19	3	3	3	3	4	5	6	7	9	13	17	24	24	19	19	23	18	18	16	16	14	9	6	9	12
20	10	7	4	6	6	6	4	5	5	4	4	6	6	10	10	8	7	6	7	6	6	5	6	4	6
21	3	3	2	2	2	2	3	15	20	21	20	34	29	46	47	27	25	31	51	40	26	13	9	7	20
22	8	7	6	2	2	2	5	7	11	14	13	15	8	9	48	55	56	55	58	49	46	31	34	16	23
23	25	27	19	15	14	14	11	14	16	14	M	M	M	M	M	M	22	26	24	24	14	9	10	15	17
24	14	12	7	7	5	7	10	11	24	26	21	9	5	12	11	6	7	9	9	18	46	59	47	33	17
25	16	10	10	11	9	8	14	23	11	10	7	8	9	6	6	7	7	16	14	15	16	18	10	5	11
26	6	7	6	4	5	5	7	13	19	13	8	8	9	10	9	9	27	35	49	67	49	41	33	28	19
27	23	28	39	34	44	39	54	68	36	21	12	9	14	10	8	7	7	8	6	10	11	8	7	7	21
28	6	9	10	9	6	5	5	5	4	5	6	5	6	5	5	4	5	7	6	5	7	8	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		
8	7	12	7	31	46	58	65	1	-	73	4	-	23	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 ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2022
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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
3	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	1	2	1	1	2	2	2	2	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2
6	1	2	1	2	2	2	2	1	2	2	2	1	2	2	2	1	1	2	2	1	1	2	1	2	2
7	2	2	2	2	2	2	2	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	M	1	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	M	2	3	2	2	3	3	3	3	2
10	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
12	2	2	2	2	1	2	2	2	2	2	2	3	2	3	3	3	2	2	3	3	3	2	2	3	2
13	2	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3
14	2	3	3	3	2	2	2	2	2	2	1	3	3	3	3	2	2	2	2	2	2	2	2	3	2
15	2	2	2	2	2	2	2	2	2	2	M	M	3	3	3	3	3	3	3	2	2	2	2	3	2
16	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3	3	2	2	2	3	3	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
20	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	2	2	3	2
21	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
22	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
25	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	3	2	2	2	2	2	2	1	2
26	1	2	2	2	2	2	2	2	3	4	4	3	3	4	4	3	3	4	3	3	3	3	3	3	3
27	3	3	3	3	3	3	3	3	4	5	4	4	4	3	3	3	3	3	3	3	3	3	2	3	3
28	2	2	3	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	3	3	4	3	4	4	3

MONTHLY STATISTICS:

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	1	2	3	5	5	6	6	8	7	8	8	9	9	11	10	10	7	3	4	2	6
2	2	M	2	1	2	2	2	3	4	3	3	4	4	4	9	6	9	11	11	10	9	10	10	5	
3	7	7	6	5	4	3	2	4	4	5	4	6	7	7	7	10	10	12	12	9	12	12	11	12	7
4	10	11	8	6	5	3	3	4	10	12	12	14	13	11	12	13	13	11	12	11	9	8	7	6	9
5	7	5	3	3	4	3	4	6	6	5	5	5	7	7	6	6	8	9	8	6	5	5	5	3	5
6	3	3	3	2	3	3	3	4	5	5	5	5	4	4	4	4	5	6	6	6	6	5	4	4	4
7	3	3	2	2	2	3	4	5	7	7	7	7	9	7	11	15	22	24	25	24	24	23	22	21	12
8	22	15	16	11	9	12	6	6	8	8	8	8	7	7	9	M	12	9	9	8	8	5	5	4	9
9	4	3	2	2	2	2	3	5	6	10	10	12	13	12	13	M	28	23	25	23	21	20	19	17	12
10	16	15	14	14	11	11	14	15	18	17	16	18	21	23	23	16	19	15	10	6	5	4	3	3	14
11	3	2	2	2	2	2	7	12	14	15	18	17	16	16	18	17	20	13	12	11	10	11	11	9	11
12	5	5	5	4	2	10	8	10	11	11	14	15	10	8	11	11	11	10	12	13	13	13	14	15	10
13	14	16	5	4	3	3	3	4	4	6	12	13	10	10	10	10	11	11	11	14	13	11	9	9	9
14	8	6	7	8	7	8	8	8	9	10	19	20	21	16	14	9	15	15	11	6	6	5	4	4	10
15	3	3	3	2	2	3	4	6	8	9	M	M	14	9	8	7	10	7	8	10	7	8	5	4	6
16	3	M	4	2	2	2	3	5	6	8	8	7	6	6	7	8	7	8	5	4	4	3	5	6	5
17	3	2	2	2	2	2	3	3	3	4	4	5	6	6	7	6	6	5	4	3	3	3	3	3	4
18	2	2	2	2	1	1	3	4	5	6	9	8	5	6	7	7	11	7	6	5	4	4	4	3	5
19	2	1	1	1	1	1	2	3	5	6	6	6	7	7	7	8	9	9	9	8	6	5	3	4	5
20	3	2	1	1	1	1	1	2	2	1	2	3	3	4	4	4	4	4	5	5	5	5	5	4	3
21	4	2	2	1	2	2	2	5	7	9	13	16	16	15	16	16	18	19	18	17	15	11	9	8	10
22	6	4	4	3	4	5	5	8	12	14	16	17	17	19	17	16	19	20	22	22	22	19	20	16	14
23	13	11	8	8	7	5	7	8	10	13	17	16	16	18	19	17	15	19	19	14	13	9	10	10	13
24	7	5	5	4	4	8	14	16	14	16	15	14	16	16	20	21	22	19	11	16	14	16	19	20	14
25	22	10	9	7	6	5	10	12	12	18	14	16	19	22	24	9	18	13	19	14	26	27	28	11	15
26	8	6	3	2	3	4	8	13	23	30	34	25	18	30	42	36	24	33	38	36	31	45	42	29	23
27	30	23	22	30	35	39	33	24	36	34	23	17	24	18	12	9	10	7	8	7	11	13	7	6	20
28	4	4	4	4	6	4	13	20	18	21	24	23	22	22	15	11	10	18	32	33	36	33	34	24	18

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR			24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
7	8	10	8	21	24	33	36	1	-	45	3	-	23	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 : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2022
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	9	8	8	8	8	8	8	8	9	10	10	10	10	11	11	10	9	10	10	10	10	10	9
2	8	9	9	10	10	10	10	10	10	10	9	8	8	8	8	8	8	10	11	9	9	10	10	11	9
3	10	9	9	9	8	8	7	8	8	8	8	8	9	9	9	9	9	8	8	8	8	8	8	8	8
4	8	8	8	8	8	7	7	7	8	8	10	12	11	10	9	9	8	8	8	8	9	9	7	8	8
5	8	8	9	9	9	9	9	8	9	8	9	8	7	8	8	3	1	1	1	1	1	1	1	1	6
6	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1
7	1	2	2	2	3	2	2	2	3	1	1	1	1	1	1	1	2	2	1	1	1	2	1	2	2
8	2	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	3	2	4	3	2
10	5	3	5	2	2	2	1	1	2	2	2	2	3	2	1	1	1	2	1	1	1	1	1	2	2
11	1	1	1	1	1	1	1	1	6	6	6	6	2	4	5	7	5	2	1	1	1	1	1	1	3
12	1	1	1	1	2	1	1	1	2	3	2	2	2	1	1	2	2	2	1	1	1	1	2	2	2
13	1	1	1	1	1	1	1	1	1	1	2	3	3	1	2	2	2	2	2	1	2	2	3	4	2
14	3	2	2	2	2	3	3	3	4	3	6	13	12	11	8	7	7	5	4	3	2	2	3	2	5
15	2	2	2	3	2	2	2	2	2	2	2	3	4	2	3	3	2	2	2	2	2	2	2	2	2
16	2	2	3	4	5	4	5	5	4	3	3	3	2	2	2	2	2	3	3	2	2	3	3	3	3
17	2	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	3	2	2	2	2	2
18	2	2	2	2	2	2	2	2	3	4	3	2	2	2	3	3	3	3	2	3	3	2	2	2	2
19	3	3	2	2	2	3	3	3	3	2	2	3	3	2	2	2	3	2	2	2	1	1	1	1	2
20	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
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	2	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	2	4	3	3	3	2	2	2	2	1	1	1	1	1	2
24	1	1	0	1	1	1	1	1	1	3	4	2	3	3	3	3	3	3	4	4	3	3	3	4	2
25	2	1	1	1	0	0	0	0	0	2	2	1	1	3	2	1	1	1	1	1	1	1	1	1	1
26	1	1	2	2	1	1	2	1	6	9	5	5	4	4	8	5	4	3	2	1	3	3	3	2	3
27	2	2	2	2	2	3	4	5	8	7	5	6	5	8	1	1	1	1	1	1	1	1	0	1	3
28	0	0	0	0	1	0	1	3	6	6	8	3	3	2	1	1	2	5	2	2	6	5	2	1	3

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL		
2	2	3	2	8	9	10	11	0	-	13	1	-	9	2	100	0

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

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

STATION : POK FU LAM
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
14	16	20	16	44	52	63	68	0	-	75	6	-	39	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 : 2022
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

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

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

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

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
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	4	6	5	4	1	11	12	13	14	16	14	14	9	0	0	0	0	5
2	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	5	8	10	17	16	20	21	4
3	17	13	9	1	0	2	1	2	3	5	5	7	9	7	6	13	17	22	23	16	24	26	22	25	11
4	23	19	12	6	0	0	1	11	22	20	19	18	12	5	14	11	9	13	16	11	10	4	3	7	11
5	4	1	0	0	0	0	0	2	2	4	1	1	0	0	0	0	1	3	5	2	1	2	0	1	1
6	2	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	1	3	7	13	15	50	59	65	67	64	44	52	58	21
8	50	M	43	32	32	11	3	1	4	1	0	0	3	3	7	2	6	10	14	9	5	4	0	0	10
9	0	0	0	0	0	0	0	1	4	8	9	M	12	7	20	39	42	50	57	55	52	47	43	38	21
10	40	36	37	32	9	2	2	4	8	17	21	27	7	6	8	9	10	0	0	0	0	0	0	0	11
11	0	0	0	0	0	0	0	0	2	3	8	23	2	0	0	0	0	0	1	4	12	13	7	9	4
12	2	0	0	0	0	1	7	19	17	15	18	5	0	1	2	1	5	17	15	23	19	6	0	7	
13	0	0	0	0	0	0	0	1	7	10	30	35	28	28	25	26	25	25	32	31	32	36	21	25	17
14	23	10	4	19	19	19	20	15	15	13	17	25	21	14	4	0	0	0	0	1	1	1	1	0	10
15	0	0	0	0	0	0	0	1	3	6	3	2	2	0	0	1	0	0	1	8	9	9	5	0	2
16	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	3	11	13	14	17	18	17	13	17	20	19	23	17	15	8	4	2	4	10
20	4	0	0	0	0	0	0	1	2	2	3	6	5	6	6	7	10	7	4	4	5	4	6	11	4
21	5	1	1	0	0	2	7	18	21	22	29	39	40	40	37	36	46	42	50	43	33	22	11	9	23
22	7	M	5	5	18	11	10	29	33	37	40	37	37	37	34	33	42	52	55	43	49	42	42	28	32
23	19	15	11	7	8	5	11	12	16	22	20	15	19	24	27	22	20	28	39	30	17	10	11	14	18
24	9	7	4	5	1	7	27	31	28	25	23	24	21	23	32	36	39	20	4	11	21	36	44	76	23
25	45	16	11	11	9	6	5	9	20	32	31	32	37	15	1	1	3	11	16	39	32	54	19	4	19
26	3	3	0	0	0	0	6	10	14	52	33	4	18	26	62	31	28	24	53	65	80	88	90	63	31
27	45	14	23	94	99	107	102	111	66	26	7	5	1	0	0	0	0	0	1	0	2	1	0	0	29
28	0	0	2	2	0	0	2	4	2	3	2	0	0	0	0	0	0	8	11	8	14	1	6	0	3

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
10	4	12	4	36	46	64	83	0	-	111	0	-	32	3	100	0

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

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

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2022
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	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	3	1	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	0
10	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
13	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	M	M	2	1	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	1	0	0	0	0	0	1	1
27	1	1	1	1	1	2	2	2	3	4	3	3	2	5	2	1	0	2	1	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	1	1	2	M	0	0	0	0	0	0	0	0	0	0	0	1	0	0

MONTHLY STATISTICS:

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

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

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

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	13	10	20	18	12	13	13	16	17	14	17	17	14	11	13	14	15	14	22	29	33	34	18	18
2	14	M	8	12	12	13	11	29	26	33	27	28	27	20	18	23	28	29	24	27	20	18	12	17	21
3	13	14	7	6	5	6	14	16	6	11	12	14	15	18	20	16	24	22	31	27	18	14	10	10	15
4	12	9	9	7	2	2	4	5	7	9	16	16	14	15	15	15	15	16	19	23	15	9	8	9	11
5	10	11	11	7	10	10	14	18	19	25	21	22	20	23	23	20	12	17	22	18	26	35	36	8	18
6	6	11	6	4	7	15	26	24	27	8	11	10	8	10	10	9	11	10	6	23	15	12	14	12	12
7	26	15	14	15	11	7	9	8	11	21	18	31	39	33	37	46	48	47	36	30	30	22	17	16	24
8	18	25	23	16	17	24	40	19	32	20	15	24	25	25	36	27	24	21	25	24	40	40	23	19	25
9	15	16	9	9	14	14	9	18	26	29	18	32	40	42	49	47	48	52	54	55	51	46	43	42	32
10	44	43	43	41	33	37	38	37	44	48	46	46	47	48	45	30	21	16	9	9	5	6	10	9	31
11	7	10	5	9	17	13	3	18	20	7	15	25	6	3	2	3	4	7	5	11	29	51	42	33	14
12	21	31	21	23	19	8	5	10	23	30	21	18	9	9	12	8	18	11	24	16	11	11	12	32	17
13	41	34	25	10	7	13	13	11	32	53	38	40	36	36	34	32	34	33	32	36	33	28	26	32	30
14	22	18	12	10	15	26	17	19	17	19	16	17	22	19	14	15	17	12	15	6	11	28	44	15	18
15	7	7	7	5	12	5	6	11	20	21	26	18	9	6	7	5	11	9	6	9	11	20	36	16	12
16	12	M	9	6	12	5	6	4	6	14	15	28	23	19	26	17	22	16	17	11	13	11	11	13	14
17	15	21	16	6	7	6	8	12	18	17	23	31	25	25	15	26	24	26	21	18	10	6	6	8	16
18	5	8	7	8	9	16	17	19	24	31	30	25	21	25	24	24	24	22	23	18	13	13	20	29	19
19	21	16	10	4	6	22	23	21	20	23	19	19	11	7	6	6	7	6	8	7	6	4	4	4	12
20	3	3	3	2	2	2	3	3	3	6	4	5	4	6	4	6	4	5	6	8	5	4	4	3	4
21	3	1	2	1	1	1	3	4	5	7	6	9	12	11	14	14	12	15	15	13	7	5	4	3	7
22	2	1	3	1	2	2	4	7	8	11	12	13	12	12	16	18	17	17	17	14	14	15	14	11	10
23	10	7	3	2	4	4	4	6	6	7	10	21	24	25	26	24	25	33	26	26	25	6	4	5	14
24	4	6	5	5	5	5	7	10	10	11	19	23	24	M	M	M	M	M	M	M	M	M	M	M	M
25	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
26	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
27	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
28	M	M	M	M	M	M	M	M	M	M	M	M	10	7	4	3	4	5	11	43	92	18	50	38	

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	15	17	15	33	42	48	51	1	-	92	4	-	32	2	86	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 : 2022
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	1	0	1	1	0	0	1	1	2	3	3	3	4	6	11	39	6	2	1	1	1	2	4
2	3	2	2	4	3	4	5	5	4	4	5	4	5	6	4	2	1	1	0	0	0	0	0	1	3
3	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
4	0	0	0	0	1	0	0	1	1	2	3	6	3	2	31	43	19	21	4	1	1	0	1	1	6
5	1	2	2	3	2	1	2	2	3	3	3	2	3	3	3	3	3	3	4	5	1	1	1	1	2
6	1	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
7	1	1	0	0	0	0	0	0	1	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	0	1	1	1	1	1
10	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
11	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1
12	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1
13	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
14	1	1	1	1	1	1	1	1	1	1	2	3	3	3	5	5	5	5	4	36	31	21	1	6	6
15	19	17	9	5	4	2	2	2	2	5	8	7	5	4	3	3	2	3	1	1	1	1	1	1	5
16	1	1	1	1	1	2	2	2	1	2	2	2	3	2	2	2	2	2	1	1	1	1	1	1	2
17	1	1	1	1	1	1	1	1	1	1	1	1	1	17	14	43	3	2	2	1	1	1	1	1	4
18	2	2	2	3	2	3	3	3	3	3	3	3	2	3	2	3	7	3	3	3	2	2	2	2	3
19	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2
20	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
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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1
24	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
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	1
26	2	3	2	1	1	1	1	1	1	1	5	13	7	12	7	7	7	6	6	5	2	2	2	2	4
27	1	1	2	3	3	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1
28	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
30	2	1	2	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	1	1	5	1	2
31	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
1	1	2	1	3	5	11	20	0	-	43	1	-	6	2	100	0

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

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

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2022
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	18	30	20	15	20	18	18	20	2	0	1	0	4	4	7
2	4	M	0	0	4	11	11	11	20	41	55	37	41	45	22	4	1	7	2	0	0	0	0	0	14
3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	4	22	32	42	15	3	3	6	3	11	12	0	0	0	0	0	6
5	0	0	0	0	0	0	0	0	0	3	20	17	7	7	12	18	19	49	3	2	0	0	0	0	7
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	3	12	22	15	12	3	2	1	4	7	6	3	3	0	0	0	4
8	1	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	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	1	4	0	2	0	0	3	23	22	14	1	1	0	0	1	3
12	0	0	0	0	0	0	0	0	9	9	4	4	8	9	11	8	9	15	11	0	0	0	0	1	4
13	0	0	0	0	0	0	0	0	0	0	1	1	4	1	2	0	3	5	6	4	1	0	2	1	1
14	0	0	0	0	0	0	0	0	2	18	27	34	24	23	25	20	26	36	40	49	34	29	27	17	18
15	35	38	24	14	11	0	2	14	24	31	38	35	34	24	18	17	26	47	6	1	3	2	7	5	19
16	2	M	0	0	0	0	1	6	0	2	4	10	8	9	9	10	8	5	5	2	0	1	0	0	4
17	0	0	0	0	0	0	0	2	2	6	4	1	2	11	17	18	3	8	8	1	0	0	0	1	4
18	7	4	1	8	3	2	2	4	20	33	33	36	26	23	10	26	46	38	37	27	5	8	3	3	17
19	2	2	0	0	0	0	0	1	9	10	9	4	10	6	6	7	11	23	17	2	0	0	0	2	5
20	0	0	0	0	0	0	0	0	0	2	1	3	2	3	2	2	1	4	1	1	0	0	1	2	1
21	1	0	0	0	0	0	0	0	3	11	1	1	9	7	9	10	9	8	10	5	1	1	1	1	4
22	0	0	0	0	0	0	0	1	2	5	9	10	3	10	3	3	6	9	4	4	3	3	0	2	3
23	0	2	2	0	0	0	4	16	19	18	17	30	18	28	41	43	30	15	16	15	11	11	13	9	15
24	4	2	2	1	1	0	2	2	2	1	4	3	1	2	3	3	2	2	2	1	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3	2	0	0	1	3	14	7	24	7	3
26	0	9	1	0	3	0	0	0	4	12	17	9	17	8	17	15	14	16	6	0	0	0	0	1	6
27	20	21	28	35	34	19	10	5	8	25	16	6	8	9	11	12	14	20	19	17	18	13	11	9	16
28	9	4	12	12	16	15	8	15	18	24	32	25	15	16	17	14	8	15	6	9	7	6	3	1	13
29	0	0	0	0	0	0	0	2	5	10	11	13	8	6	7	9	10	7	9	3	0	0	0	0	4
30	0	M	1	0	0	0	0	2	8	6	6	3	1	0	1	0	3	1	0	0	0	1	7	0	2
31	0	0	0	0	0	0	0	0	1	2	5	7	6	1	1	2	6	11	4	1	3	0	0	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		
6	1	6	1	19	27	37	42	0	-	55	0	-	19	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: MARCH

YEAR : 2022

UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
2	0	1	0	3	5	8	9	0	-	12	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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: MARCH

YEAR : 2022

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	8	10	33	30	23	34	72	59	38	17	10	45	48	38	38	35	45	52	88	82	61	40	38
2	42	M	72	57	48	41	33	31	37	49	47	38	22	12	9	10	14	11	8	7	7	8	14	6	27
3	5	6	6	7	8	7	8	9	8	8	8	8	8	7	7	6	7	7	10	14	10	8	8	7	8
4	7	6	13	13	11	11	10	8	9	8	6	8	7	6	6	5	11	22	10	19	12	11	12	35	11
5	34	45	21	46	30	33	30	27	26	41	16	10	10	16	20	18	18	20	31	18	8	6	5	7	22
6	8	7	6	5	5	5	5	6	7	9	9	10	7	6	6	8	8	9	9	8	7	5	7	5	7
7	5	4	4	3	3	4	7	27	56	55	46	42	40	36	48	56	19	10	9	8	8	7	7	6	21
8	6	5	4	4	3	3	5	6	8	8	5	5	2	4	5	6	7	7	10	9	9	7	6	6	6
9	7	7	7	6	5	5	6	8	8	9	6	5	7	7	5	6	6	8	12	12	10	10	10	12	8
10	10	8	8	8	6	7	6	7	6	7	6	6	6	5	4	4	4	4	5	5	5	6	8	9	6
11	8	7	6	6	7	6	5	5	5	7	6	5	5	4	7	6	6	7	12	8	6	7	7	7	6
12	5	4	4	3	10	79	30	10	8	4	4	5	4	6	5	6	10	7	3	5	6	7	8	5	10
13	8	7	6	6	14	7	5	3	3	2	3	2	2	2	2	3	3	6	4	2	2	2	2	1	4
14	3	4	3	5	7	6	5	10	10	11	29	18	34	39	27	31	57	70	80	75	74	58	55	61	32
15	28	11	3	2	2	1	11	19	22	41	24	31	14	6	4	2	5	8	8	12	12	14	14	10	13
16	9	M	7	6	7	5	3	3	4	3	3	5	6	3	4	3	4	5	6	8	3	4	4	9	5
17	10	7	3	2	2	1	3	4	7	10	6	2	0	8	2	9	37	47	36	20	29	42	29	40	15
18	27	41	36	24	30	23	21	28	35	33	34	33	19	26	42	55	57	46	58	37	52	45	37	35	36
19	35	23	17	7	9	11	7	7	8	13	9	9	7	8	6	6	6	9	8	6	5	11	9	7	10
20	5	4	4	4	3	4	4	5	6	8	8	7	6	6	7	6	7	6	5	5	4	4	6	7	5
21	6	6	4	4	3	2	3	5	7	6	7	8	8	11	11	15	13	6	6	5	3	4	4	4	6
22	4	5	4	4	5	1	2	2	2	6	6	5	7	9	11	12	11	13	14	12	10	7	7	8	7
23	8	7	6	6	4	5	7	15	17	11	25	35	40	44	48	45	23	11	13	12	9	8	9	12	18
24	8	7	7	6	5	5	6	4	4	3	6	4	4	5	6	5	6	5	6	5	6	6	5	4	5
25	4	4	3	3	3	3	4	5	6	9	9	7	5	6	M	9	13	12	17	33	32	11	10	1	9
26	3	1	6	6	8	7	10	11	9	6	2	10	5	11	25	31	16	24	10	18	14	9	6	9	11
27	27	45	42	44	41	38	38	39	39	39	9	8	6	8	9	11	13	13	13	13	15	11	12	12	23
28	11	7	6	7	7	15	7	12	11	22	34	18	12	12	10	9	5	6	5	6	6	5	4	5	10
29	4	5	3	3	3	2	3	4	6	6	8	8	7	6	5	8	10	11	11	11	7	8	9	7	6
30	8	M	8	7	5	5	6	6	6	5	5	5	4	4	4	4	4	3	3	5	4	4	4	3	5
31	2	3	2	1	0	1	2	2	4	4	4	3	2	6	4	6	3	5	9	5	4	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	
8	7	13	7	35	45	57	71	0	-	88	4	-	38	2	99	0

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: MARCH

YEAR : 2022
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	4	6	7	6	7	6	4	4	4	5	4	6	5	4	4	4	3	4	4
2	3	3	3	3	3	3	3	4	5	8	7	7	6	6	5	4	4	3	4	3	3	3	3	3	4
3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3	4	5	5	5	4	4	4	4	5	4	4	4	4	4	4	4	4
5	4	4	3	3	3	3	3	3	3	3	3	4	4	5	5	5	4	5	5	5	4	3	3	3	4
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	4	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3
8	3	3	3	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	2	3	3
9	2	2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	4	3	3	2
10	2	2	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	4	4	4	3
11	4	4	4	4	3	3	3	3	3	4	4	4	M	M	4	5	4	5	4	4	4	4	3	5	4
12	4	4	4	4	4	4	4	4	6	7	5	4	6	6	5	5	5	6	8	5	5	5	5	5	5
13	5	6	6	5	6	5	6	4	5	5	6	5	4	4	4	4	4	4	4	4	4	4	4	4	5
14	4	4	4	4	4	4	4	4	5	8	7	7	6	6	6	6	6	6	6	6	7	6	5	7	6
15	6	6	6	6	6	6	5	6	8	10	12	10	8	6	5	6	6	6	5	5	5	5	5	5	6
16	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	4	4	4	4	5	4
17	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	5	5	6	5	5	4	5	5	6	5
18	5	5	5	4	4	4	5	5	5	6	6	6	7	7	6	6	6	7	6	6	6	7	6	7	6
19	6	6	6	5	5	5	5	5	5	5	5	5	6	5	5	4	5	6	6	5	5	5	5	5	5
20	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	7	4
22	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5
23	4	5	5	5	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	4	4	4	5	5
24	4	4	4	4	4	4	4	4	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	4	3
25	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	4	4	4	4	4	4	5	3
26	4	4	4	4	4	4	4	4	4	5	6	5	5	6	7	6	6	5	6	6	6	6	5	6	5
27	5	6	6	6	6	6	6	6	6	6	5	5	5	4	5	5	4	5	5	4	4	4	4	5	5
28	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	3	3	4	4
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	3
30	3	4	4	4	4	4	4	3	3	4	4	3	4	3	3	3	3	2	4	4	4	3	4	4	4
31	3	3	3	3	3	4	4	4	5	5	3	4	4	4	4	4	4	4	4	4	4	4	4	5	4

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
4	4	4	4	6	6	7	8	2	-	12	2	-	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 : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: MARCH

YEAR : 2022

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	29	21	14	18	25	26	32	32	30	38	29	28	27	28	21	12	11	16	19	27	20	19	26	24
2	16	M	21	19	19	21	24	24	24	30	34	33	33	37	36	16	13	12	11	8	8	9	9	9	20
3	6	4	4	4	4	5	6	6	6	8	10	10	8	8	9	8	8	15	11	11	11	12	16	13	8
4	9	6	4	4	5	6	14	15	24	28	26	34	15	11	12	11	23	22	23	24	23	18	15	15	16
5	15	11	15	13	8	8	16	11	17	18	15	10	12	8	15	17	16	33	27	16	7	5	4	4	13
6	4	3	2	3	2	2	3	4	3	4	4	4	5	5	5	6	7	8	8	11	7	7	10	8	5
7	4	3	5	5	4	11	22	30	30	24	20	22	18	16	17	15	12	12	12	11	9	7	6	6	13
8	5	4	4	3	3	3	4	7	8	7	6	4	4	3	4	5	5	6	4	3	3	3	3	2	4
9	2	1	1	0	0	0	2	4	7	11	9	9	6	10	5	8	8	8	8	11	14	28	17	7	7
10	5	2	1	1	2	1	1	2	5	6	6	7	4	4	3	4	4	4	4	3	9	27	36	27	7
11	28	29	30	26	12	9	7	9	11	25	17	21	M	M	11	24	19	24	29	36	25	21	19	19	21
12	11	23	37	33	24	22	28	25	34	38	33	24	28	27	23	29	39	46	55	43	36	42	39	33	32
13	27	39	42	30	40	33	39	27	28	25	30	19	10	9	12	10	12	15	17	12	8	7	7	8	21
14	13	11	8	6	16	15	16	19	25	30	26	27	29	27	22	19	26	24	31	37	34	31	28	30	23
15	30	30	30	28	26	17	21	22	25	25	26	27	26	20	12	20	21	25	15	10	11	10	11	11	21
16	9	M	8	6	6	7	7	8	8	9	9	10	18	22	28	26	27	23	41	15	18	13	8	7	14
17	8	7	6	8	8	6	17	19	23	19	13	10	13	14	15	12	12	15	12	12	13	16	18	15	13
18	16	15	14	15	13	14	19	19	19	20	23	27	31	35	31	33	30	49	43	33	58	54	46	46	29
19	39	32	27	24	19	21	13	11	15	19	17	18	31	15	13	13	14	36	32	14	10	9	9	9	19
20	8	8	8	7	7	7	8	8	7	8	8	8	8	8	8	9	8	9	8	8	8	7	7	7	8
21	7	7	6	14	20	15	15	16	28	18	12	12	12	19	20	17	16	22	35	35	32	24	24	31	19
22	27	23	23	32	32	26	22	23	26	20	20	16	14	13	16	17	18	23	21	16	12	11	11	11	20
23	8	19	15	11	7	9	11	12	13	13	16	20	20	18	21	22	25	25	24	18	12	14	14	12	16
24	8	7	7	6	6	6	8	9	11	13	12	12	11	11	11	11	11	11	10	8	8	8	8	8	9
25	7	6	7	7	6	6	7	9	13	19	22	20	19	12	15	15	13	12	10	11	15	9	15	12	12
26	8	11	8	6	11	8	10	10	8	10	12	10	10	11	14	14	15	13	14	14	10	8	7	8	10
27	18	22	20	20	19	18	19	18	19	18	17	15	11	12	13	14	14	17	19	17	21	15	11	10	17
28	10	8	12	14	16	11	11	12	14	15	18	18	16	17	17	17	13	13	11	10	10	8	7	8	13
29	8	7	6	6	6	6	7	8	9	13	13	12	12	11	11	11	12	13	13	9	7	15	14	15	10
30	12	M	17	11	13	12	9	8	12	11	11	10	10	9	10	10	10	8	8	6	6	5	8	5	10
31	5	5	4	8	8	10	18	21	27	21	14	10	10	10	11	11	12	13	11	10	10	9	6	7	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		
12	12	15	12	29	33	39	43	0	-	58	4	-	32	2	99	0

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

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

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

MONTH: MARCH

YEAR : 2022
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	1	1	2	1	6	9	8	11	3	4	4	6	5	13	17	3	3	4	4	4	2	5
2	2	1	1	1	2	2	2	3	14	20	17	19	8	8	5	2	1	1	1	1	1	2	1	2	5
3	1	1	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1	1	2	3	2	3	3	2	1
4	1	1	1	1	1	1	1	2	9	13	10	10	2	2	8	14	14	4	3	3	2	2	2	3	5
5	3	2	3	2	1	1	1	1	2	2	2	2	4	4	4	4	4	3	3	4	2	2	1	1	2
6	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	3	4	2	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	2	2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
9	1	2	1	1	1	1	2	2	4	4	1	1	0	1	1	2	1	1	1	2	2	4	2	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1
11	1	1	1	1	1	1	1	1	1	6	7	4	2	1	1	3	5	5	5	2	1	1	1	1	2
12	1	1	2	1	1	1	2	2	10	11	3	5	9	8	5	3	5	6	8	3	3	4	2	2	4
13	1	6	5	3	2	2	2	4	6	5	6	6	1	1	1	1	1	1	1	1	1	1	1	1	3
14	1	1	1	1	1	1	1	1	5	15	9	4	4	4	5	5	4	3	3	4	7	5	4	4	4
15	3	3	3	3	3	3	3	4	13	12	22	11	7	4	3	4	4	4	2	1	1	1	2	1	5
16	1	1	1	1	1	1	1	1	1	1	1	2	7	4	4	5	3	4	5	2	2	1	1	1	2
17	1	1	1	1	1	1	1	1	3	2	2	1	M	M	7	3	1	1	1	1	1	1	1	1	2
18	1	1	1	0	0	0	1	1	3	3	2	2	3	3	2	3	2	4	2	1	2	3	4	3	2
19	3	1	1	1	1	1	1	1	2	1	2	1	2	1	1	1	1	2	2	1	1	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	0	1	1	5	2	1	2	1	1	1	1	1	1	1	1	1	1	2	1
22	1	1	1	1	1	1	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	1	0	0	0	0	0
24	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	7	7	1
25	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	11	13	11	14	12	9	8	8	8
26	7	7	7	7	7	7	7	7	6	7	12	16	15	15	13	12	12	12	11	11	9	9	8	7	10
27	9	11	10	9	9	9	9	9	10	9	8	7	6	7	7	7	6	7	7	6	6	6	6	6	8
28	6	6	7	7	7	6	7	6	7	7	7	7	6	6	6	6	6	7	6	6	7	6	6	6	6
29	6	7	6	6	7	6	6	6	6	7	6	6	6	6	7	6	7	6	7	7	7	6	7	7	6
30	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	6	7
31	7	7	7	7	7	8	7	8	11	8	7	8	8	7	8	8	8	8	7	7	7	7	6	6	7

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
3	2	3	2	7	10	13	15	0	-	22	0	-	10	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 : 2022
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	18	9	4	10	13	13	23	23	20	23	10	11	12	9	8	10	10	10	19	26	25	22	16	15
2	4	8	21	15	27	26	21	18	22	27	28	27	24	19	18	10	4	6	6	4	10	15	8	17	16
3	3	0	0	0	0	0	0	0	1	2	2	4	2	1	2	1	2	7	17	19	14	25	21	9	6
4	6	3	4	1	1	5	11	16	22	20	17	22	5	6	6	5	11	20	28	14	10	10	12	16	11
5	20	10	21	13	7	5	9	6	10	16	11	5	6	6	13	18	24	16	19	9	5	0	0	0	10
6	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	10	4	4	3	5	3	2
7	2	0	0	2	1	6	17	16	14	11	11	10	8	7	7	6	4	3	4	5	3	2	2	2	6
8	2	1	1	1	0	0	2	4	3	2	1	0	0	0	0	0	3	2	0	0	0	0	1	0	1
9	0	0	0	0	0	0	0	2	10	9	4	0	0	7	5	7	5	1	2	16	16	17	6	2	5
10	1	0	0	0	0	0	0	0	2	0	2	1	0	0	0	0	1	8	1	0	4	11	6	16	2
11	5	2	2	0	0	0	0	5	6	16	14	9	8	6	4	12	15	18	28	20	10	8	6	3	8
12	0	5	17	10	4	4	15	12	17	18	11	6	13	10	9	6	15	22	30	14	17	23	12	12	13
13	7	25	23	12	11	10	11	18	12	12	11	9	2	0	0	0	0	3	5	1	0	0	0	0	7
14	0	0	0	0	1	10	8	7	13	20	18	12	8	8	9	10	11	10	15	19	16	17	16	20	10
15	15	17	17	17	12	14	14	12	13	13	12	10	10	6	4	8	9	18	7	0	1	3	11	2	10
16	1	0	0	0	0	0	0	1	0	0	1	2	13	7	11	10	6	14	24	7	7	2	0	0	4
17	0	0	0	1	0	0	3	4	11	7	8	4	M	M	5	2	3	4	7	4	4	6	1	4	4
18	7	5	5	5	5	6	7	9	10	9	9	11	13	18	17	21	12	44	38	16	22	31	33	23	16
19	20	6	6	6	7	9	1	2	11	8	9	7	11	6	6	4	6	21	20	14	4	0	0	0	8
20	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	6	9	5	4	8	12	11	7	6	10	11	13	12	14	16	18	18	13	9	15	17	10
22	14	11	12	17	18	13	9	10	13	10	6	4	2	1	2	1	2	4	3	1	1	0	0	0	6
23	2	13	6	1	0	0	3	5	6	5	9	11	10	10	11	12	16	12	9	6	3	5	5	2	7
24	2	1	0	0	0	0	0	1	3	3	3	2	1	2	3	3	3	2	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	1	2	2	1	1	0	3	2	7	6	4	8	4	0	1	2	2
26	0	0	0	0	2	1	2	1	0	1	3	4	4	3	5	7	5	4	4	3	0	0	0	0	2
27	12	13	11	10	9	10	8	8	10	9	7	3	2	4	4	5	6	8	7	10	11	5	3	3	7
28	3	2	9	9	8	5	6	5	9	10	10	11	9	6	7	6	5	6	4	2	2	2	1	0	6
29	0	0	0	0	0	0	0	1	3	4	4	4	3	4	4	3	6	5	5	1	0	1	1	0	2
30	0	0	0	0	0	0	0	0	1	2	3	2	1	1	1	0	1	0	0	0	0	0	0	0	1
31	0	0	0	2	2	6	3	7	11	3	2	2	1	0	0	0	3	2	2	1	5	3	0	0	2

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL		
6	4	6	4	17	20	25	28	0	-	44	0	-	16	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 : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2022
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----			STN GEOM	PERCENT	NO. OF TIMES			
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE LIMIT LEVEL				
2	0	1	0	4	6	8	10	0	-	22	0	-	6	2	87	0

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

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

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

MONTH: MARCH

YEAR : 2022
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	13	19	24	66	47	37	82	63	47	40	15	10	9	44	20	9	20	16	44	76	87	41	58	37
2	52	92	76	60	52	45	59	49	42	40	42	31	38	11	0	2	7	3	0	0	0	3	0	31	
3	0	0	0	0	0	0	0	0	2	4	1	2	0	0	0	1	5	3	3	3	3	5	7	5	2
4	6	4	4	7	45	39	17	11	16	50	60	20	0	7	4	8	29	27	17	25	54	56	62	50	26
5	20	19	37	19	20	16	17	21	26	35	17	13	9	4	50	5	5	3	3	5	0	0	0	3	14
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	3	3	1	0	0	1	
7	0	0	0	0	7	32	31	59	55	40	32	32	21	23	41	37	35	7	9	9	7	3	2	2	20
8	1	M	0	0	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	4	5	5	1	1	2	1	0	0	0	0	4	2	1	2	2	6	2
10	7	1	0	0	1	0	0	1	1	2	1	0	0	0	1	1	2	2	0	1	6	6	4	2	2
11	0	0	0	0	0	0	0	4	2	0	0	0	0	1	1	10	0	0	0	3	3	3	0	4	1
12	1	1	0	2	47	51	60	30	46	10	0	0	0	0	5	1	1	3	10	7	0	1	0	0	12
13	0	1	10	17	21	8	3	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	3
14	1	0	0	0	3	15	19	26	28	32	31	31	29	22	21	12	32	41	44	61	60	68	68	64	30
15	62	44	43	36	17	10	37	39	39	32	29	18	10	0	3	9	13	6	1	0	2	4	8	5	19
16	1	0	0	0	0	0	0	0	0	1	2	3	5	16	27	6	4	4	2	0	1	0	0	0	3
17	0	0	0	0	0	0	2	0	1	1	0	0	2	16	20	17	32	15	14	5	27	25	29	16	9
18	21	20	17	27	11	15	31	39	31	30	31	40	38	29	28	27	40	56	25	29	67	53	39	81	34
19	85	26	22	18	11	15	2	2	9	7	9	4	4	5	3	2	4	7	6	0	0	0	1	1	10
20	0	0	0	0	0	0	0	0	0	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
21	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
22	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
23	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
24	M	M	M	M	M	M	M	M	M	M	0	0	0	0	1	0	2	2	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	1	2	8	1	5	12	7	4	1	0	3	10	7	7	3
26	2	0	2	4	5	2	10	3	3	3	7	9	1	4	5	6	5	4	6	3	5	1	1	4	4
27	32	44	39	37	35	33	23	29	37	32	28	8	6	6	6	7	10	20	23	11	20	14	9	11	22
28	9	7	8	10	16	19	11	18	21	26	32	27	11	14	15	12	12	11	6	7	4	2	0	2	13
29	0	0	0	0	0	0	0	2	3	5	8	9	7	4	6	7	9	6	11	5	0	0	1	2	4
30	1	2	1	1	0	1	1	3	6	5	4	1	0	0	0	0	2	1	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	2	3	5	3	1	0	2	2	2	5	4	1	0	0	0	0	1

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
8	3	11	3	38	50	62	72	0	-	92	0	-	37	4	87	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 : 2022
UNIT : MICROGRAMS/CUBIC METER

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

YEAR : 2022
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	18	24	26	15	25	53	61	63	53	39	49	57	31	18	11	16	31	47	61	50	63	59	62	40
2	51	45	60	68	65	66	61	56	41	51	37	39	49	46	48	25	4	7	8	8	6	13	17	10	37
3	8	3	2	0	6	7	11	10	9	8	9	14	9	2	1	4	5	2	2	4	5	7	5	61	8
4	20	28	16	14	7	28	48	68	64	38	24	13	8	3	12	27	16	11	35	40	64	44	20	13	28
5	17	17	14	4	0	0	5	2	5	4	2	8	13	7	6	9	18	21	14	37	12	7	5	8	10
6	8	6	3	5	2	1	18	12	3	16	21	14	9	11	7	6	10	5	7	8	22	12	3	9	9
7	12	10	12	7	7	10	16	24	25	22	30	41	39	27	20	21	28	23	25	15	39	38	19	6	22
8	5	4	4	4	4	7	11	23	32	35	26	8	0	0	0	0	1	3	0	0	4	8	8	3	8
9	2	1	5	5	4	8	7	13	16	17	5	0	4	7	5	7	17	7	6	8	7	8	10	20	8
10	24	9	5	7	6	41	14	11	5	22	28	0	1	15	8	2	2	17	24	43	70	54	29	37	20
11	21	19	23	15	16	29	32	45	37	33	25	9	0	0	8	3	6	14	19	20	19	17	23	10	18
12	29	28	11	10	18	37	60	47	40	49	10	0	0	3	3	0	0	12	2	0	0	1	9	9	16
13	29	47	38	18	22	50	86	72	62	31	3	0	M	0	0	0	8	20	7	23	30	26	19	50	28
14	36	24	26	14	1	9	19	39	39	34	20	15	4	5	18	27	24	33	28	26	28	31	18	16	22
15	13	29	38	22	24	19	17	9	16	28	26	28	23	2	5	15	33	34	12	0	3	4	6	7	17
16	7	M	2	7	2	0	1	1	3	2	9	8	20	14	21	12	4	1	5	4	4	9	1	0	6
17	6	3	11	8	4	22	37	44	16	0	4	3	0	1	1	3	5	10	32	40	70	59	54	48	20
18	50	38	13	10	7	17	12	5	6	11	10	6	16	17	14	22	79	110	74	89	33	17	10	75	31
19	27	39	27	20	10	14	14	8	2	21	24	3	1	3	6	2	1	0	1	0	0	0	4	5	10
20	1	0	0	0	0	2	0	0	1	1	4	3	3	6	1	2	2	4	7	18	7	5	5	5	3
21	2	0	0	4	7	19	17	43	14	33	8	4	13	15	8	5	45	50	9	5	29	43	14	8	16
22	5	1	17	16	13	10	21	28	36	34	7	6	4	0	1	2	9	12	12	10	18	7	8	12	12
23	22	13	14	3	22	24	18	8	10	16	16	16	21	22	27	26	29	44	45	41	41	31	21	30	23
24	30	25	9	6	7	14	15	7	12	10	8	2	0	4	15	13	4	6	17	15	1	5	0	8	10
25	2	0	0	0	2	2	0	0	0	8	4	1	0	5	3	6	13	9	6	6	5	7	6	10	4
26	12	9	13	15	11	5	10	13	14	8	12	10	11	7	7	10	8	19	16	22	23	16	14	15	13
27	41	44	40	38	34	17	17	22	18	24	25	24	14	7	6	11	10	17	26	17	17	19	35	20	23
28	7	13	16	9	5	7	9	14	12	21	18	20	36	39	42	48	43	36	13	29	33	9	9	5	21
29	6	8	7	8	7	15	4	3	8	21	20	23	27	28	18	23	21	18	8	9	6	12	16	19	14
30	24	M	20	11	5	23	35	36	33	40	21	24	8	6	9	7	21	19	13	23	27	19	15	18	20
31	8	5	12	7	12	22	28	34	44	42	17	24	36	3	1	2	10	6	13	12	34	27	8	12	17

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
12	12	17	12	40	50	63	70	0	-	110	3	-	40	3	100	0

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

Appendix C Summary Results on Water Quality Monitoring

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

Period : January - March 2022

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
01/01/22	7	20	10	16	8.0	7.7	7.8
08/01/22	7	23	11	16	7.8	7.5	7.6
15/01/22	7	24	19	21	8.1	7.8	8.0
22/01/22	7	24	15	20	8.0	7.8	7.9
29/01/22	7	24	20	22	8.0	7.8	7.9
05/02/22	7	23	18	21	8.0	7.8	7.9
12/02/22	7	24	16	20	8.0	7.8	7.9
19/02/22	7	24	14	18	8.1	7.9	8.0
26/02/22	7	24	6	18	8.0	7.8	7.9
05/03/22	7	24	17	20	8.2	7.8	8.0
12/03/22	7	24	11	17	8.2	7.8	8.0
19/03/22	7	24	14	20	8.1	7.9	8.0
26/03/22	7	24	18	21	8.2	7.9	8.0

Remark :

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

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

Period : January – March 2022

Sampling date		4/1/2022	9/2/2022	9/3/2022
Barium,	ug/L	<150	<150	<150
Mercury,	ug/L	<0.5	<0.5	<0.5
Cadmium,	ug/L	1.6	1.2	<1.0
Iron,	ug/L	<400	<400	<400
Total Phosphorous,	mg/L	<0.8	<0.8	<0.8
Total Nitrogen,	mg/L	95	146	56
Cyanide,	mg/L	0.02	0.02	<0.01

Remark:

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

Appendix D Summary of EMIS

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