

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



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

Operational Phase

Quarterly Environmental Monitoring & Audit Report

July – September 2023

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



ENVIRONMENTAL IMPACT ASSESSMENT (EIA) ORDINANCE, CAP. 499

ENVIRONMENTAL PERMITS NO. EP-248/2006 & EP-287/2007

**LAMMA POWER STATION
UNITS L2, L4 & L5 FLUE GAS DESULPHURIZATION PLANTS RETROFIT**

**ENVIRONMENTAL MONITORING & AUDIT PROGRAMME
AT OPERATIONAL PHASE**


Report Title	Quarterly EM&A Report (July to September 2023)
Date	27 December 2023
Certified by	 (Mr. CHAN Hon Yeung, Environmental Team Leader)

TABLE OF CONTENT

EXECUTIVE SUMMARY

1.	INTRODUCTION.....	1
1.1	Background	1
1.2	Project Organisation	1
1.3	Plant Availability during the Reporting Period	2
1.4	Malfunction/Outage Records of Pollution Control Equipment	2
1.5	Summary of EM&A Requirements	2
2.	AIR QUALITY.....	10
2.1	Monitoring Requirements	10
2.2	Summary of Results and Observations	10
3.	WATER QUALITY.....	11
3.1	Monitoring Requirements	11
3.2	Summary of Results and Observations	11
4.	ENVIRONMENTAL AUDIT.....	12
4.1	Review of Environmental Monitoring Procedures	12
4.2	Assessment of Environmental Monitoring Results	12
4.3	Status of Environmental Licensing and Permitting	13
4.4	Implementation Status of Environmental Mitigation Measures	14
4.5	Implementation Status of Event/Action Plan	14
4.6	Implementation Status of Environmental Complaint Handling Procedures	14
5.	FUTURE KEY ISSUES.....	16
5.1	Outage Plan for the coming 3 months	16
5.2	Key issues for the coming 3 months	16
6.	CONCLUSION.....	17

LIST OF TABLES

Table 2.1	Air Quality Monitoring Parameters and Frequency
Table 3.1	Water Quality Monitoring Parameters and Frequencies
Table 4.1	Summary of Action/Limit Level Exceedances on Monitoring Parameters
Table 4.2	Amount of Gypsum and Sludge Collected for Reuse by Contractor
Table 4.3	Summary of Environmental Licensing and Permit Status
Table 4.4	Environmental Complaints Received
Table 4.5	Outstanding Environmental Complaints Carried Over

LIST OF FIGURES

Figure 1.1a	Location of New Facilities for L4 & L5 FGD Plant
Figure 1.1b	Location of New Facilities for L2 FGD Plant
Figure 1.2a	General Arrangement of L4 & L5 FGD Plant
Figure 1.2b	General Arrangement of L2 FGD Plant
Figure 1.3	Schematic Diagram of L2, L4 & L5 FGD Plant
Figure 1.4	Simplified Schematic Diagram of FGD Wastewater Treatment Plant
Figure 1.5	Organization Chart at Operational Phase

APPENDIX

Appendix A	Event/Action Plans in Response to Exceedance of AL Levels
Appendix B	Air Quality Monitoring Results
Appendix C	Summary Results on Water Quality Monitoring
Appendix D	Summary of EMIS

EXECUTIVE SUMMARY

This is the quarterly Environmental Monitoring and Audit (EM&A) report for the Projects “Lamma Power Station Units L4 & L5 Flue Gas Desulphurization Plant Retrofit” and “Lamma Power Station Unit L2 Flue Gas Desulphurization Plant Retrofit” prepared by the Environmental Team (ET). This report presents the results of impact monitoring on air and water quality and environmental audit for the operation of the said projects in the period from July to September 2023.

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

Plant Availability

Unit L5 was fully available in the reporting months. Unit L4 was were taken out of service during the following periods:

Unit	Period	Remarks
L4	4/7/2023 00:03 to 27/7/2023 11:14	Defect rectification

Unit L2 retired in October 2022.

Malfunction/Outage Records of Pollution Control Equipment

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

Environmental Monitoring Works

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

Air Quality

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

Water Quality

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

Environmental Licensing and Permitting

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
Environmental Permit for L4/5 FGD plants retrofit project	EP-248/2006	25/04/2006	-	HK Electric	25/04/2006
Environmental Permit for Unit L2 FGD plant retrofit project	EP-287/2007	02/10/2007	-	HK Electric	02/10/2007

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
Specified Process Licence issued under APCO	L-7-002(14)	01/01/2023	31/12/2024	HK Electric	30/12/2022
WPCO discharge licence for Ash Lagoon	WT00039618-2021	11/02/2022	31/12/2026	HK Electric	11/02/2022

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 (if emergency operation is required), L4 and L5.

Water Impact

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

Concluding Remarks

The environmental performance of the projects was generally satisfactory.

1. INTRODUCTION

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

This report summarizes the environmental monitoring and audit work for the said Projects for the period from July to December 2023.

1.1 Background

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

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

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

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

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

1.2 Project Organisation

The management structure to oversee the Projects includes the following:

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

- Environmental Team (ET).

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

1.3 Plant Availability during the Reporting Period

Unit L5 was fully available in the reporting months. Unit L4 was were taken out of service during the following periods:

Unit	Period	Remarks
L4	4/7/2023 00:03 to 27/7/2023 11:14	Defect rectification

Unit L2 retired in October 2022.

1.4 Malfunction/Outage Records of Pollution Control Equipment

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

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.

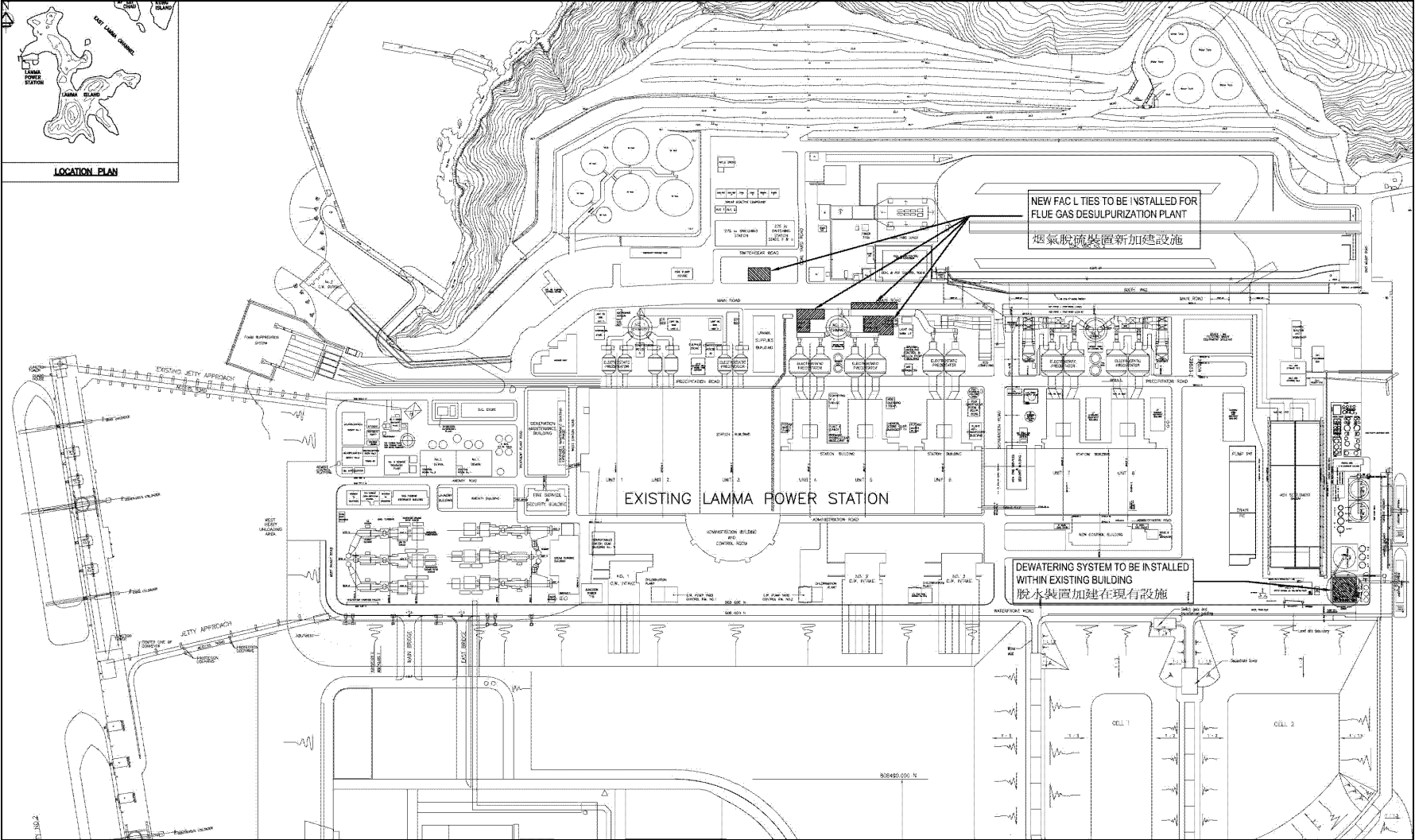


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

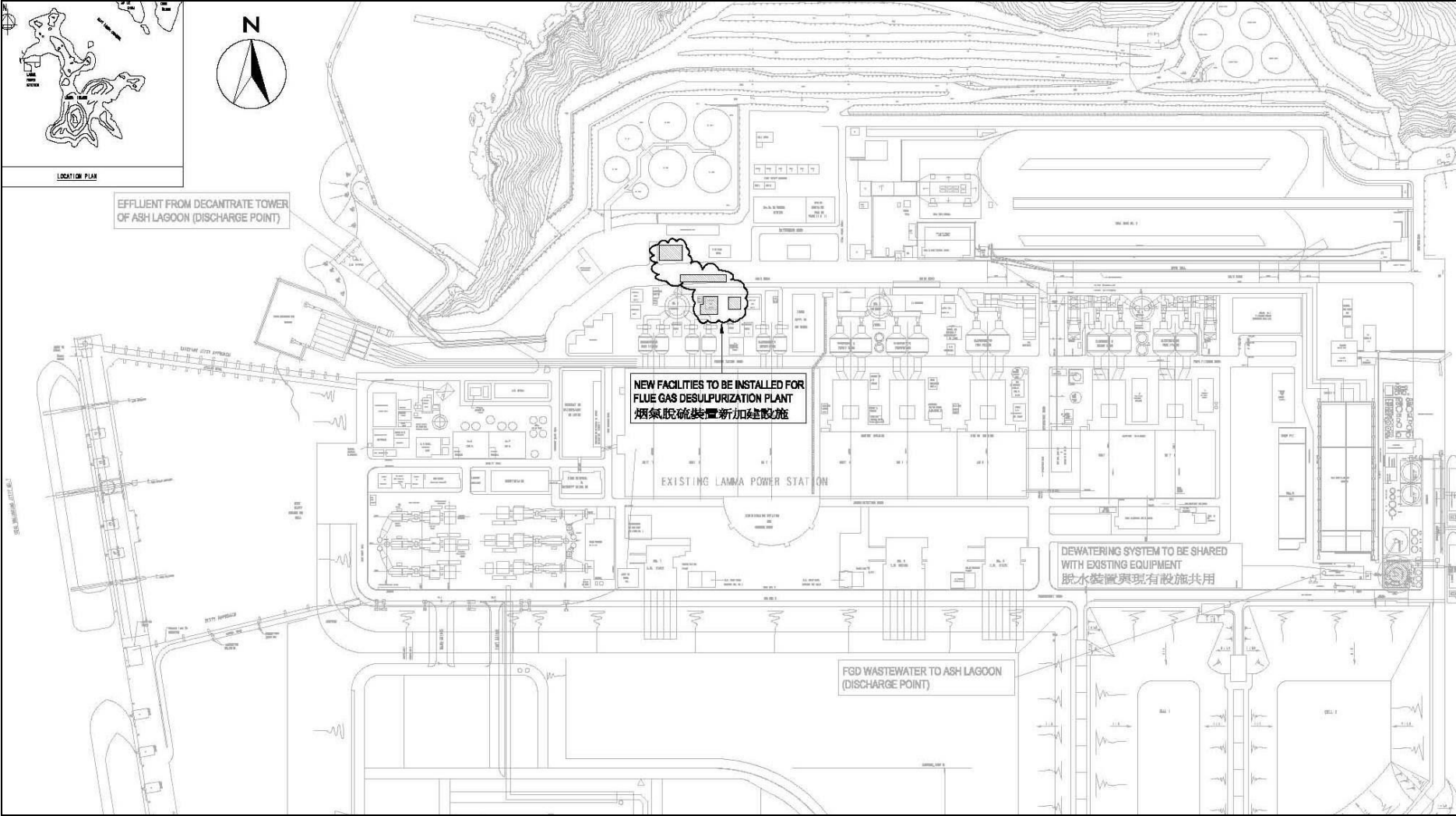


Figure 1.1b Location of New Facilities for L2 FGD Plant

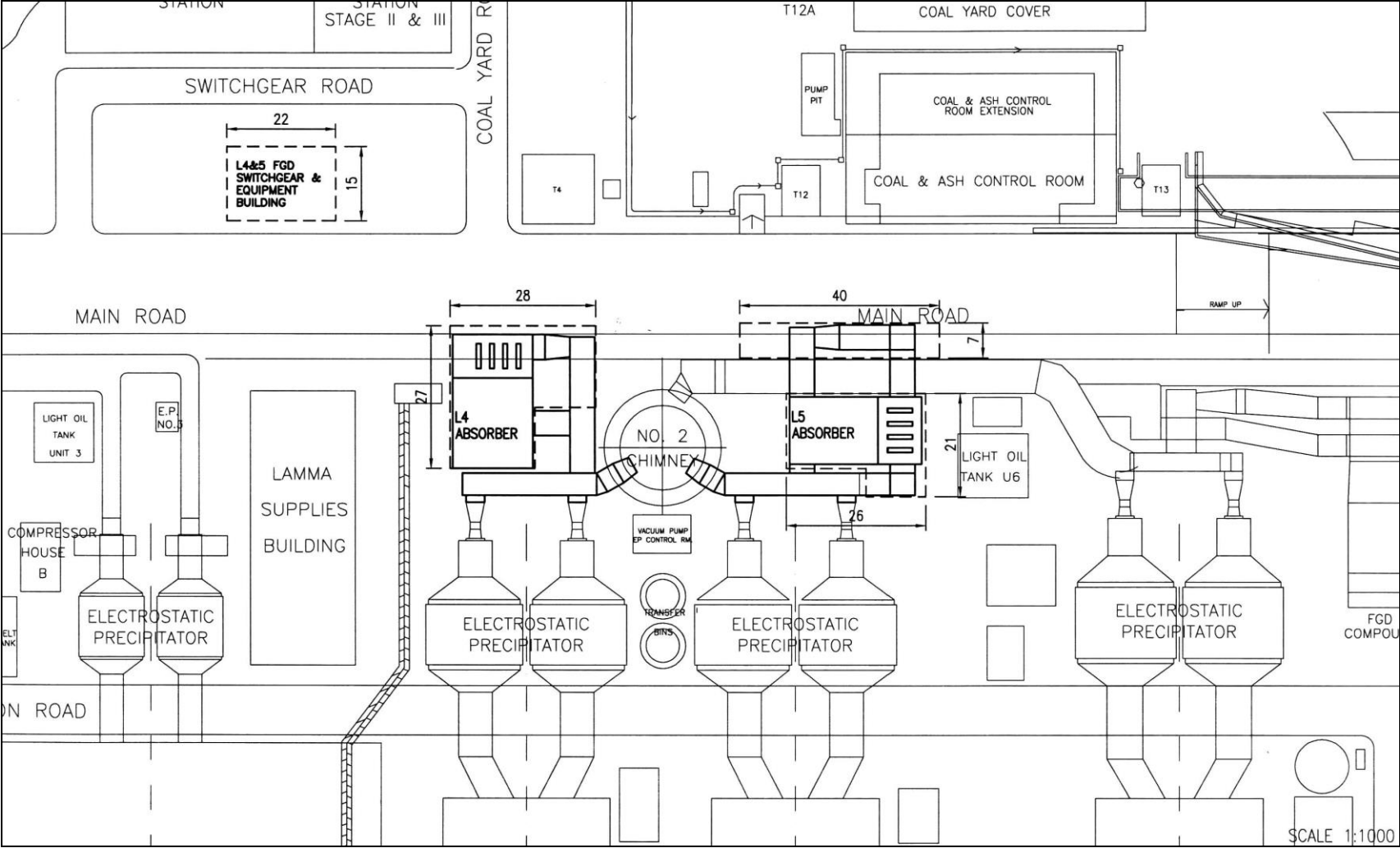


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

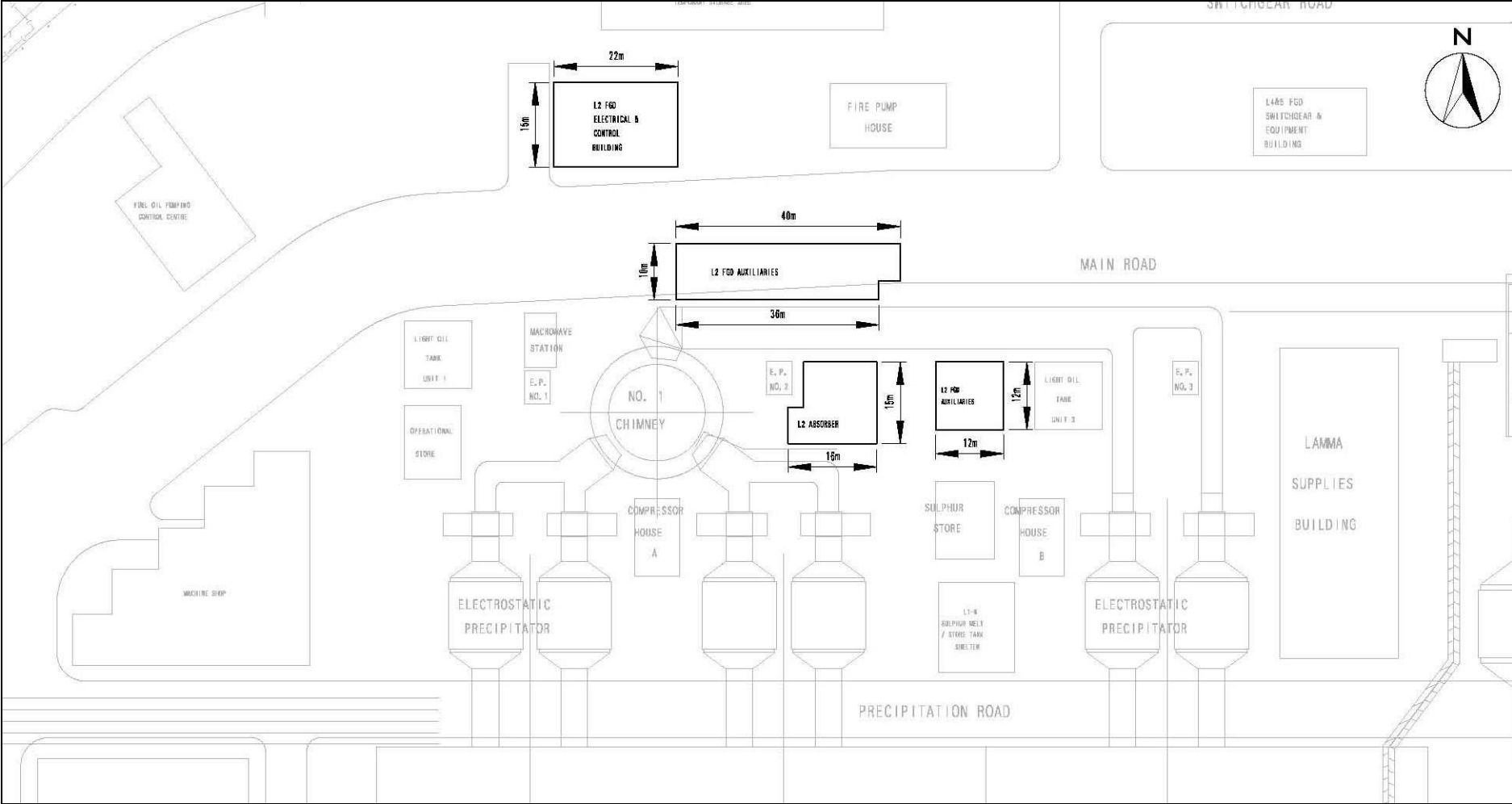


Figure 1.2b General Arrangement of L2 FGD Plant

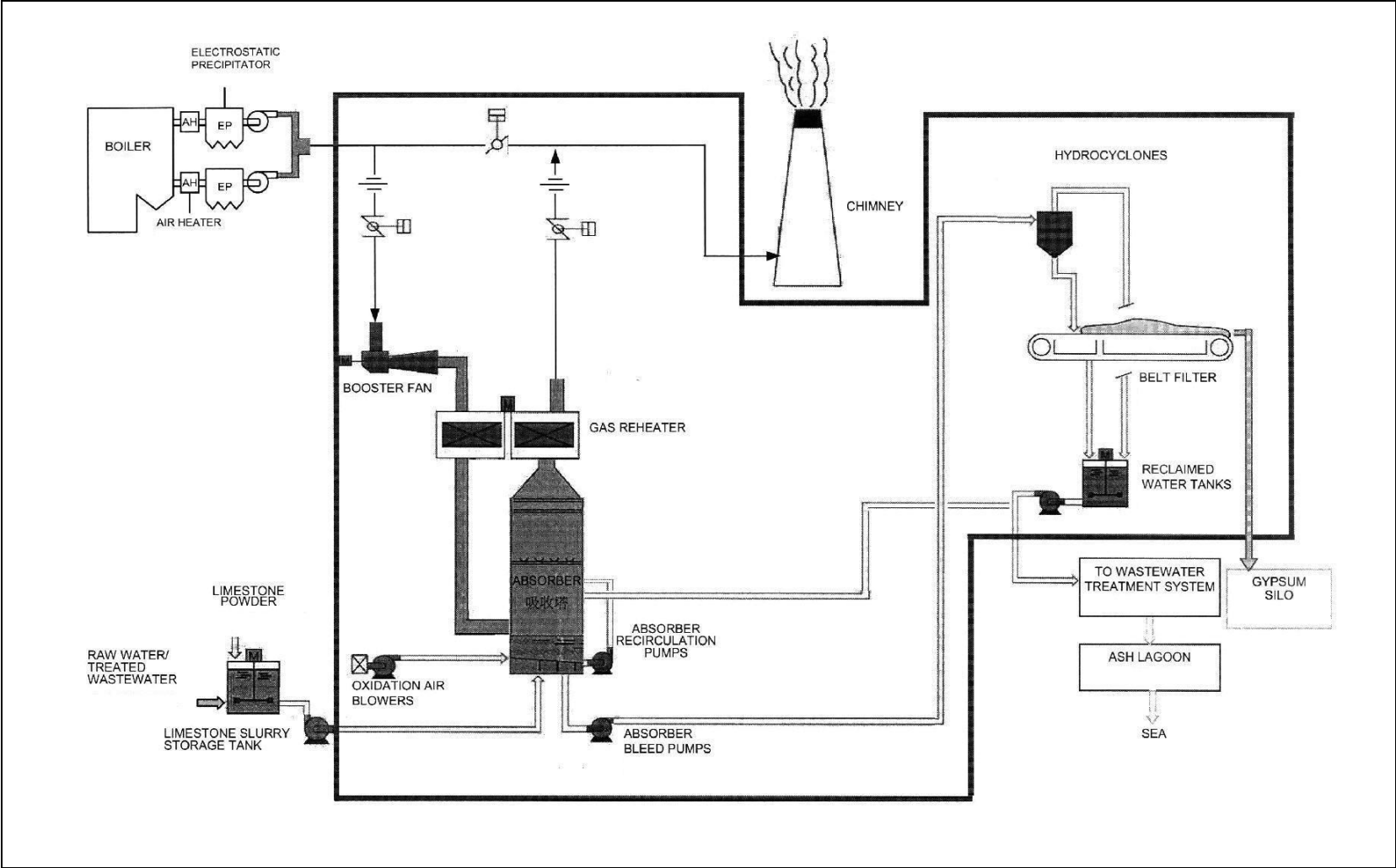


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

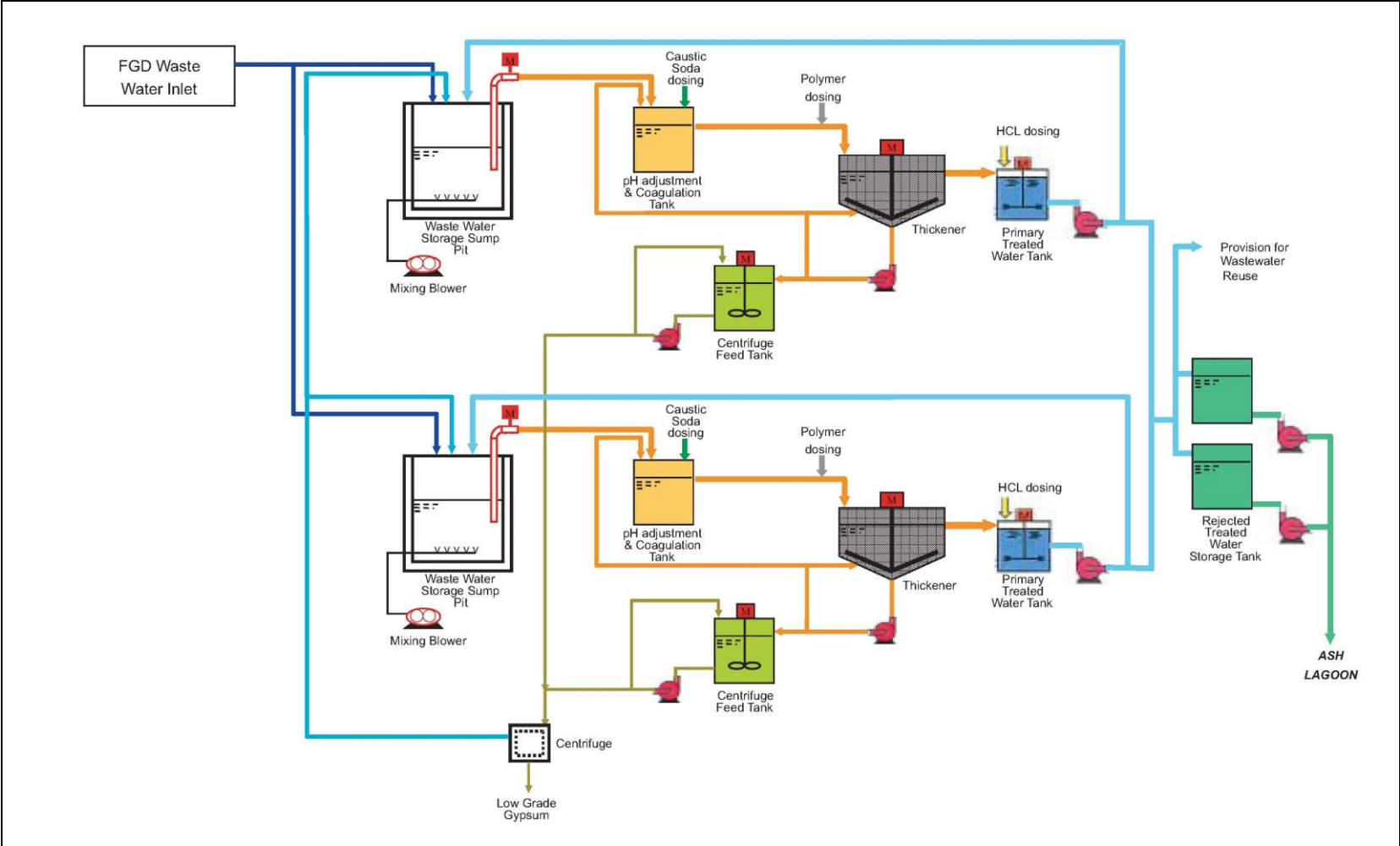


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

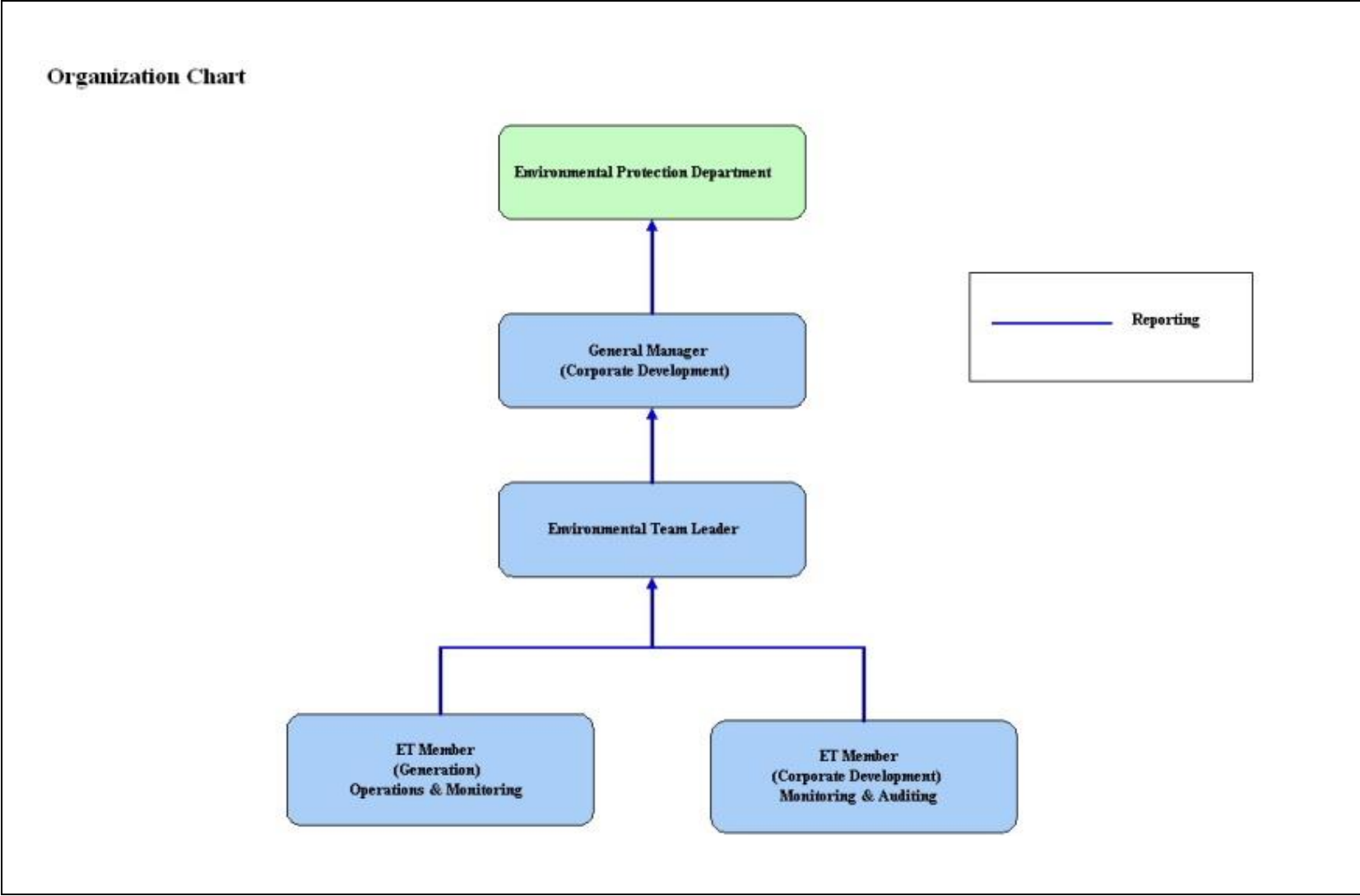


Figure 1.5 Organization Structure at Operational Phase of the Projects

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(14). 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.	01/07/23-30/09/23	N.A.	0	PM stack sampling tests for L4 and L5 were conducted on 17/06/2022 and 14/06/2022 respectively.
2	Continuous monitoring of opacity, NOx, SO2 and CO2 in the flue gas at the chimney stacks	01/07/23-30/09/23	0	0	
3	Ambient SO2 & NOx monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and Cheung Chau.	01/07/23-30/09/23	0	0	
Water					
1	pH in WWTP Effluent	01/07/23-30/09/23	0	0	
2	Suspended Solids in WWTP Effluent	01/07/23-30/09/23	0	0	

Item	Parameter Monitored	Monitoring Period	No. of Exceedances In		Event/Action Plan Implementation Status and Results
			Action Level	Limit Level	
3	Iron in WWTP Effluent	01/07/23-30/09/23	0	0	
4	Barium in WWTP Effluent	01/07/23-30/09/23	0	0	
5	Mercury in WWTP Effluent	01/07/23-30/09/23	0	0	
6	Cadmium in WWTP Effluent	01/07/23-30/09/23	0	0	
7	Cyanide in WWTP Effluent	01/07/23-30/09/23	0	0	
8	Total Phosphorus in WWTP Effluent	01/07/23-30/09/23	0	0	
9	Total Nitrogen in WWTP Effluent	01/07/23-30/09/23	0	0	

Waste Management Records

The quantity of FGD gypsum and sludge collected for reuse by contractor in the reporting period are shown in [Table 4.2](#).

Table 4.2 Amount of Gypsum and Sludge Collected for Reuse by Contractor

Period	Amount of Gypsum Collected	Amount of Sludge Collected
July 2023	5,967.00 MT	0 MT
August 2023	2,873.00 MT	0 MT
September 2023	2,911.12 MT	0 MT

4.3 Status of Environmental Licensing and Permitting

All permits/licenses obtained as of September 2023 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(14)	01/01/2023	31/12/2024	Valid
WPCO discharge licence for Ash Lagoon	WT00039618-2021	11/02/2022	31/12/2026	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 (if emergency operation is required), L4 and L5.

Water Impact

- To continuously carry out the water quality monitoring for FGD Waste Water Treatment Plant.

6. CONCLUSION

Environmental monitoring was performed as required in the reporting period from July to September 2023. 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: Second Quarter of 2023 (July – September)

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/07/2023	11	9
02/07/2023	9	##
03/07/2023	11	5
04/07/2023	16	35
05/07/2023	16	31
06/07/2023	18	32
07/07/2023	18	29
08/07/2023	13	19
09/07/2023	11	28
10/07/2023	11	12
11/07/2023	13	40
12/07/2023	9	5
13/07/2023	10	12
14/07/2023	12	20
15/07/2023	20	17
16/07/2023	17	19
17/07/2023	15	51
18/07/2023	20	49
19/07/2023	13	19
20/07/2023	13	16
21/07/2023	12	17
22/07/2023	12	13
23/07/2023	10	10
24/07/2023	10	10
25/07/2023	11	20
26/07/2023	29	36
27/07/2023	33	39
28/07/2023	33	50
29/07/2023	9	13
30/07/2023	9	18
31/07/2023	5	7

Remarks: ## - No valid daily RSP data due to equipment fault

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/08/2023	6	11
02/08/2023	8	12
03/08/2023	8	24
04/08/2023	7	29
05/08/2023	8	35
06/08/2023	7	37
07/08/2023	7	33
08/08/2023	13	32
09/08/2023	19	37
10/08/2023	17	24
11/08/2023	13	18
12/08/2023	15	27
13/08/2023	18	36
14/08/2023	25	54
15/08/2023	24	29
16/08/2023	17	38
17/08/2023	18	32
18/08/2023	17	22
19/08/2023	18	21
20/08/2023	12	12
21/08/2023	11	15
22/08/2023	11	17
23/08/2023	13	19
24/08/2023	11	10
25/08/2023	15	12
26/08/2023	17	21
27/08/2023	12	12
28/08/2023	11	12
29/08/2023	12	9
30/08/2023	28	26
31/08/2023	27	39

Remarks: ## - No valid daily RSP data due to equipment fault

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/09/2023	15	16
02/09/2023	11	19
03/09/2023	13	14
04/09/2023	28	35
05/09/2023	27	24
06/09/2023	32	34
07/09/2023	15	9
08/09/2023	8	4
09/09/2023	11	12
10/09/2023	9	8
11/09/2023	8	11
12/09/2023	9	16
13/09/2023	8	16
14/09/2023	10	18
15/09/2023	9	19
16/09/2023	10	17
17/09/2023	10	18
18/09/2023	11	13
19/09/2023	11	20
20/09/2023	11	14
21/09/2023	14	28
22/09/2023	15	19
23/09/2023	12	17
24/09/2023	11	23
25/09/2023	11	21
26/09/2023	13	24
27/09/2023	14	20
28/09/2023	13	16
29/09/2023	13	16
30/09/2023	15	10

Remarks: ## - No valid daily RSP data due to equipment fault

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 (%)
1/7/2023	35	261	12
2/7/2023	27	284	10
3/7/2023	37	315	10
4/7/2023	29	255	10
5/7/2023	35	247	10
6/7/2023	42	314	10
7/7/2023	27	247	10
8/7/2023	23	315	10
9/7/2023	36	284	10
10/7/2023	37	326	10
11/7/2023	91	319	10
12/7/2023	93	233	10
13/7/2023	94	244	10
14/7/2023	67	234	10
15/7/2023	27	250	10
16/7/2023	32	182	11
17/7/2023	44	252	12
18/7/2023	56	228	11
19/7/2023	38	288	13
20/7/2023	23	258	13
21/7/2023	29	231	12
22/7/2023	21	194	11
23/7/2023	28	222	11
24/7/2023	59	207	12
25/7/2023	29	216	11
26/7/2023	26	266	12
27/7/2023	41	263	12
28/7/2023	16	172	10
29/7/2023	39	300	11
30/7/2023	46	252	13
31/7/2023	45	289	11

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/8/2023	76	285	11
2/8/2023	42	213	10
3/8/2023	29	215	10
4/8/2023	58	230	10
5/8/2023	59	322	11
6/8/2023	35	209	11
7/8/2023	72	213	10
8/8/2023	63	288	11
9/8/2023	59	263	11
10/8/2023	51	256	10
11/8/2023	22	252	10
12/8/2023	37	279	11
13/8/2023	33	302	10
14/8/2023	27	257	11
15/8/2023	20	258	12
16/8/2023	23	206	11
17/8/2023	27	198	11
18/8/2023	19	314	11
19/8/2023	14	281	10
20/8/2023	12	199	10
21/8/2023	12	308	11
22/8/2023	10	196	11
23/8/2023	15	210	11
24/8/2023	17	228	10
25/8/2023	27	307	11
26/8/2023	22	210	12
27/8/2023	13	180	11
28/8/2023	15	225	12
29/8/2023	12	196	11
30/8/2023	15	245	11
31/8/2023	5	204	11

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/9/2023	20	317	10
2/9/2023	11	245	10
3/9/2023	11	285	12
4/9/2023	7	205	11
5/9/2023	49	267	10
6/9/2023	70	309	11
7/9/2023	64	216	10
8/9/2023	37	320	10
9/9/2023	64	300	11
10/9/2023	72	343	10
11/9/2023	45	291	11
12/9/2023	*	*	*
13/9/2023	112	393	11
14/9/2023	*	*	*
15/9/2023	*	*	*
16/9/2023	*	*	*
17/9/2023	17	318	13
18/9/2023	15	197	11
19/9/2023	21	230	11
20/9/2023	14	197	10
21/9/2023	13	218	11
22/9/2023	14	207	10
23/9/2023	19	316	11
24/9/2023	*	*	*
25/9/2023	19	308	11
26/9/2023	29	322	11
27/9/2023	27	294	11
28/9/2023	27	305	12
29/9/2023	42	192	12
30/9/2023	*	*	*

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 (%)
1/7/2023	*	*	*
2/7/2023	*	*	*
3/7/2023	41	368	12
4/7/2023	*	*	*
5/7/2023	*	*	*
6/7/2023	*	*	*
7/7/2023	*	*	*
8/7/2023	*	*	*
9/7/2023	*	*	*
10/7/2023	*	*	*
11/7/2023	*	*	*
12/7/2023	*	*	*
13/7/2023	*	*	*
14/7/2023	*	*	*
15/7/2023	*	*	*
16/7/2023	*	*	*
17/7/2023	*	*	*
18/7/2023	*	*	*
19/7/2023	*	*	*
20/7/2023	*	*	*
21/7/2023	*	*	*
22/7/2023	*	*	*
23/7/2023	*	*	*
24/7/2023	*	*	*
25/7/2023	*	*	*
26/7/2023	*	*	*
27/7/2023	55	291	11
28/7/2023	89	252	12
29/7/2023	106	330	12
30/7/2023	99	324	12
31/7/2023	83	255	19

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/8/2023	*	*	*
2/8/2023	*	*	*
3/8/2023	*	*	*
4/8/2023	*	*	*
5/8/2023	*	*	*
6/8/2023	*	*	*
7/8/2023	*	*	*
8/8/2023	*	*	*
9/8/2023	*	*	*
10/8/2023	*	*	*
11/8/2023	*	*	*
12/8/2023	*	*	*
13/8/2023	*	*	*
14/8/2023	*	*	*
15/8/2023	*	*	*
16/8/2023	*	*	*
17/8/2023	*	*	*
18/8/2023	*	*	*
19/8/2023	*	*	*
20/8/2023	*	*	*
21/8/2023	*	*	*
22/8/2023	*	*	*
23/8/2023	*	*	*
24/8/2023	*	*	*
25/8/2023	*	*	*
26/8/2023	*	*	*
27/8/2023	*	*	*
28/8/2023	*	*	*
29/8/2023	*	*	*
30/8/2023	*	*	*
31/8/2023	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/9/2023	*	*	*
2/9/2023	*	*	*
3/9/2023	*	*	*
4/9/2023	*	*	*
5/9/2023	*	*	*
6/9/2023	*	*	*
7/9/2023	*	*	*
8/9/2023	*	*	*
9/9/2023	*	*	*
10/9/2023	*	*	*
11/9/2023	*	*	*
12/9/2023	*	*	*
13/9/2023	*	*	*
14/9/2023	*	*	*
15/9/2023	*	*	*
16/9/2023	*	*	*
17/9/2023	*	*	*
18/9/2023	*	*	*
19/9/2023	*	*	*
20/9/2023	*	*	*
21/9/2023	*	*	*
22/9/2023	*	*	*
23/9/2023	*	*	*
24/9/2023	*	*	*
25/9/2023	*	*	*
26/9/2023	*	*	*
27/9/2023	*	*	*
28/9/2023	*	*	*
29/9/2023	*	*	*
30/9/2023	*	*	*

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 (%)
1/7/2023	*	*
2/7/2023	*	*
3/7/2023	*	*
4/7/2023	*	*
5/7/2023	*	*
6/7/2023	*	*
7/7/2023	*	*
8/7/2023	*	*
9/7/2023	*	*
10/7/2023	*	*
11/7/2023	*	*
12/7/2023	*	*
13/7/2023	*	*
14/7/2023	*	*
15/7/2023	*	*
16/7/2023	*	*
17/7/2023	*	*
18/7/2023	*	*
19/7/2023	*	*
20/7/2023	*	*
21/7/2023	*	*
22/7/2023	*	*
23/7/2023	*	*
24/7/2023	*	*
25/7/2023	*	*
26/7/2023	*	*
27/7/2023	*	*
28/7/2023	*	*
29/7/2023	*	*
30/7/2023	*	*
31/7/2023	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) [#]	Opacity (%)
1/8/2023	*	*
2/8/2023	*	*
3/8/2023	*	*
4/8/2023	*	*
5/8/2023	*	*
6/8/2023	*	*
7/8/2023	*	*
8/8/2023	*	*
9/8/2023	*	*
10/8/2023	*	*
11/8/2023	*	*
12/8/2023	*	*
13/8/2023	*	*
14/8/2023	*	*
15/8/2023	*	*
16/8/2023	*	*
17/8/2023	*	*
18/8/2023	*	*
19/8/2023	*	*
20/8/2023	*	*
21/8/2023	*	*
22/8/2023	*	*
23/8/2023	*	*
24/8/2023	*	*
25/8/2023	*	*
26/8/2023	*	*
27/8/2023	*	*
28/8/2023	*	*
29/8/2023	*	*
30/8/2023	*	*
31/8/2023	*	*

Date	Daily Maximum	
	SO2 concentration (mg/Nm3) [#]	Opacity (%)
1/9/2023	*	*
2/9/2023	*	*
3/9/2023	*	*
4/9/2023	*	*
5/9/2023	*	*
6/9/2023	*	*
7/9/2023	*	*
8/9/2023	*	*
9/9/2023	*	*
10/9/2023	*	*
11/9/2023	*	*
12/9/2023	*	*
13/9/2023	*	*
14/9/2023	*	*
15/9/2023	*	*
16/9/2023	*	*
17/9/2023	*	*
18/9/2023	*	*
19/9/2023	*	*
20/9/2023	*	*
21/9/2023	*	*
22/9/2023	*	*
23/9/2023	*	*
24/9/2023	*	*
25/9/2023	*	*
26/9/2023	*	*
27/9/2023	*	*
28/9/2023	*	*
29/9/2023	*	*
30/9/2023	*	*

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 samplings for Unit L5 in the reporting period. L4 stack particulate sampling was carried out on 21/06/2023. The measured dust concentration was well below the limit stipulated in the SP licence. Unit L2 retired in October 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

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2023
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	1	0	0	0	0	0	0	0
2	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
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	1	1	2	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	0	1	1	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	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	2	4	0	0	0	1	0	0	0	0	0	0
9	0	0	0	0	1	3	1	0	1	0	0	0	0	1	1	6	5	0	1	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	1	3	2	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	2	4	7	5	1	1	1	1	1	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	2	10	2	2	1	2	4	4	2	0	1	0	1	2	3	2
15	4	2	1	1	1	1	3	5	4	4	4	4	4	3	1	1	2	2	1	0	0	0	0	0	2
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	1	1	1	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	1	2	1	1	0	1	1	1	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	2	1	0	0	0	0	0	0
23	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
24	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	2	0	0	0	0	0	1
25	1	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	2	1	0	1	2	3	3	1
26	2	2	1	1	2	2	2	2	3	3	2	3	5	5	2	2	2	2	2	1	1	1	0	1	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	1	0	0	0	0	1
28	0	0	1	0	1	1	2	2	1	2	1	3	4	4	3	3	4	3	3	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	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	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	2	3	4	5	0	-	10	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

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

MONTH: JULY

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	1	1	1	0	0	3	9	5	6	5	2	1	12	5	1	14	13	17	10	16	12	2	6
2	1	2	3	3	0	1	3	2	7	7	13	6	0	1	5	9	18	17	11	8	4	3	2	5	5
3	3	1	1	0	1	8	1	3	8	4	2	8	2	1	0	2	2	5	1	4	2	5	7	19	4
4	30	14	7	15	8	1	3	6	9	10	3	3	1	6	5	3	17	16	22	11	11	4	0	1	9
5	1	M	2	1	4	3	3	9	9	2	0	0	0	2	5	5	3	3	8	2	1	6	3	2	3
6	5	5	1	1	2	4	1	4	1	8	3	1	5	5	0	1	0	1	2	3	4	3	6	4	3
7	4	6	1	1	1	1	3	0	8	2	3	2	1	4	0	7	6	4	4	7	9	5	4	2	4
8	0	3	3	0	1	3	1	4	1	6	6	4	4	1	2	1	2	1	8	6	4	10	7	2	3
9	1	5	3	2	4	6	3	5	8	1	0	0	0	0	0	3	2	4	5	6	9	11	4	2	4
10	1	3	8	2	0	0	3	2	3	0	0	0	0	0	1	0	8	6	12	5	7	10	7	9	4
11	6	0	2	1	0	1	0	0	1	6	2	10	4	0	0	1	3	9	15	13	9	8	6	5	4
12	2	2	0	1	4	2	4	9	8	11	7	5	1	3	2	4	4	5	11	17	9	10	12	9	6
13	3	1	3	2	1	0	0	0	5	7	12	15	11	4	5	5	6	8	15	11	11	13	6	5	6
14	3	2	1	2	2	10	12	5	4	11	17	14	9	4	7	10	15	17	19	32	23	23	30	24	12
15	22	10	4	4	11	3	22	17	18	22	28	24	28	14	11	15	11	12	14	13	5	8	10	14	14
16	2	6	2	1	1	1	2	5	4	6	8	6	5	2	1	1	0	2	1	1	0	1	0	0	2
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	2	1	1	0	0	2	2	4	3	6	1	0	0	0	0	0	1
19	0	M	0	0	0	0	2	4	4	3	4	3	1	1	2	2	1	1	0	0	0	0	0	0	1
20	0	0	0	0	0	0	3	7	2	1	2	7	4	4	1	3	5	6	13	7	1	4	0	0	3
21	0	0	0	0	0	3	4	4	4	13	12	11	8	4	8	9	7	11	13	6	14	20	9	9	7
22	17	2	0	0	1	0	1	5	2	2	4	3	3	3	3	5	13	13	17	18	20	21	13	1	7
23	1	0	0	0	0	0	1	3	0	0	5	7	3	2	2	3	3	7	4	3	7	7	1	3	3
24	1	1	1	0	0	0	0	1	3	3	2	6	7	5	3	5	6	9	18	16	11	10	6	10	5
25	18	18	15	12	6	3	5	4	1	3	5	7	2	1	2	3	3	7	8	12	17	36	45	26	11
26	15	21	34	14	22	14	19	19	21	26	24	25	31	27	21	21	31	32	46	40	41	27	23	18	26
27	14	21	20	10	10	13	15	15	16	15	12	12	16	14	12	19	28	28	33	26	7	6	4	3	15
28	1	3	4	7	19	27	29	22	21	19	13	19	17	15	14	15	13	10	10	7	7	12	15	6	14
29	16	7	2	0	1	5	7	4	5	2	1	3	1	15	6	6	6	7	11	4	7	5	3	1	5
30	0	6	3	2	1	0	1	4	3	5	5	1	2	2	9	3	1	1	1	0	1	0	1	1	2
31	0	0	0	0	0	0	0	1	2	2	3	3	1	1	2	1	2	3	2	2	2	1	0	0	1

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
5	3	6	3	16	21	28	32	0	-	46	0	-	26	3	100	0	

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2023

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	1	0	1	1	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	0	1	1	2	1	0	0	0	0	0
4	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
5	0	0	0	0	0	0	0	0	0	0	0	0	M	1	1	0	0	2	1	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	1	0	0	0	0	0	0
7	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	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	1	0	0	0	0	1	0	0	0	0	0	0
10	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2	0	0	1	3	3	2	2	2	1	1
11	2	2	2	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
12	2	2	2	2	2	2	2	0	1	0	1	1	2	3	0	0	1	1	3	2	1	1	1	1	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	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	1	1	0	0	0	0	0
16	1	0	0	1	1	1	0	1	0	0	0	0	1	0	0	0	3	1	1	2	1	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	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	2	1	1	1	2	2	1	1	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	M	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	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	0	0	0	0	0
25	1	1	1	1	1	3	2	0	1	1	0	1	0	0	2	0	1	0	3	1	1	1	1	2	1
26	1	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	1	1	1	2	3	2	2	0	1	2	3	2	3	2	3	1	4	3	1	1	1	1	0
28	0	1	0	1	0	0	0	1	1	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	1	1	2	1	1	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0
31	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

MONTHLY STATISTICS:

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: JULY

YEAR : 2023

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	10	5	12	12	7	10	7	9	12	7	7	7	11	9	22	37	40	45	38	17	13	8	8	15
2	21	29	27	17	14	14	19	8	10	8	4	5	5	7	11	10	5	16	13	8	14	11	11	13	13
3	9	5	4	10	14	7	16	13	9	10	7	10	5	4	4	7	5	7	6	8	7	11	8	5	8
4	9	10	10	17	7	5	13	9	13	6	9	9	7	8	7	13	7	9	17	18	23	15	9	13	11
5	14	M	13	14	14	15	17	12	14	6	9	10	M	7	7	6	9	12	15	15	13	9	11	16	12
6	17	18	11	8	13	11	10	7	11	8	8	8	4	4	8	5	6	6	9	15	22	20	19	28	12
7	22	21	16	18	14	16	13	10	12	11	10	5	4	5	8	10	9	11	10	16	25	20	7	17	13
8	14	17	26	17	21	17	8	7	16	18	7	8	7	7	8	7	8	12	15	19	16	17	19	22	14
9	14	17	17	21	14	17	14	15	14	9	10	12	10	8	7	11	9	19	16	16	14	10	22	22	14
10	20	16	16	10	14	13	13	9	8	6	4	14	5	3	8	5	10	13	19	13	13	24	25	23	13
11	21	12	14	8	15	15	17	7	11	10	9	5	8	8	4	7	11	9	8	12	26	22	14	8	12
12	11	10	9	8	19	38	33	15	12	11	6	6	5	5	6	9	9	6	11	11	12	6	8	8	11
13	10	11	13	17	17	8	5	10	6	5	5	5	4	4	6	4	4	6	11	10	18	6	8	9	8
14	8	7	7	6	7	5	12	18	22	22	14	15	8	6	11	15	21	17	20	28	20	21	23	7	14
15	7	16	16	16	18	10	24	29	32	33	33	24	15	7	9	15	12	13	9	13	8	10	8	13	16
16	6	6	5	5	4	4	6	7	6	6	4	4	3	2	2	1	1	1	1	2	2	2	2	2	4
17	2	2	2	2	1	1	2	1	2	2	1	1	1	1	1	1	1	3	1	2	5	3	2	5	2
18	3	2	2	4	3	3	4	4	7	5	6	5	7	9	10	10	9	10	9	8	7	10	9	12	7
19	6	M	8	5	8	5	10	9	11	9	11	10	9	6	5	7	8	11	7	13	24	7	11	6	9
20	5	4	10	9	3	3	7	9	7	4	5	6	4	3	4	2	2	6	11	9	11	11	13	11	7
21	16	13	10	9	9	19	16	11	16	14	M	15	18	13	8	6	7	15	18	32	30	41	29	16	17
22	19	11	8	9	8	16	15	15	9	8	10	5	3	4	10	6	12	12	14	19	16	10	10	6	11
23	6	5	8	8	6	6	6	6	7	5	4	2	2	2	4	3	10	10	11	8	15	12	8	6	7
24	13	13	4	3	5	4	6	5	3	4	3	4	3	2	8	8	5	5	16	14	14	7	12	10	7
25	17	20	15	20	21	26	17	8	7	15	14	10	9	10	14	11	11	10	10	14	16	19	18	47	16
26	44	26	16	9	8	10	12	17	31	53	37	49	68	57	72	35	31	39	31	29	24	24	19	16	32
27	21	25	39	18	13	23	25	21	17	17	14	21	25	26	21	16	25	23	51	20	10	11	15	29	22
28	51	54	42	60	44	37	35	37	47	30	32	26	40	33	18	27	21	19	22	19	11	13	10	11	31
29	13	15	10	7	11	7	9	12	9	11	17	24	31	8	8	7	6	5	11	9	6	5	8	9	11
30	7	5	5	4	0	3	4	3	3	1	1	1	0	5	2	0	4	2	2	1	1	0	0	1	2
31	1	2	1	0	1	0	1	2	3	2	0	0	0	0	0	0	0	0	1	4	2	1	2	4	1

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
9	10	12	10	22	31	41	50	0	-	72	1	-	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 : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: JULY

YEAR : 2023

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	6	4	6	5	4	6	8	7	6	7	5	3	4	7	6	10	8	11	11	9	6	5	5	7
2	3	2	4	5	3	5	5	5	8	7	6	4	4	3	5	7	8	7	6	8	6	5	5	4	5
3	4	4	2	1	2	2	4	6	11	13	12	12	7	5	10	14	13	8	6	7	5	5	5	6	7
4	4	6	3	4	4	3	4	4	8	7	5	5	4	4	4	4	10	12	11	9	8	8	6	6	6
5	5	M	3	3	3	4	6	7	9	5	4	3	2	3	3	3	3	4	6	4	4	6	6	6	4
6	6	4	3	3	2	3	5	4	4	5	4	3	3	5	3	2	2	3	4	6	5	6	7	8	4
7	6	8	4	4	3	3	4	3	10	7	6	4	3	4	2	5	7	6	4	9	10	10	8	7	6
8	4	7	9	4	3	5	4	4	4	6	4	4	4	3	2	3	4	6	9	10	7	7	7	7	5
9	6	7	6	5	4	5	6	5	7	3	3	4	4	2	3	5	4	8	8	4	5	8	6	8	5
10	6	6	4	3	3	3	5	4	5	6	4	7	2	4	5	3	6	6	7	5	6	11	14	12	6
11	7	4	3	2	3	3	3	2	2	5	5	4	6	5	4	4	4	8	7	7	9	8	11	9	5
12	6	5	4	6	7	7	10	10	7	6	3	3	2	6	5	10	10	9	8	6	10	13	11	8	7
13	6	7	4	6	2	0	2	3	5	3	9	12	17	14	9	6	11	7	8	10	7	6	5	4	7
14	4	3	3	3	2	2	7	6	9	9	13	13	12	6	10	9	11	12	10	13	11	13	13	7	8
15	6	5	5	4	6	4	7	10	12	13	16	15	23	15	12	19	31	33	17	15	14	26	31	20	15
16	7	5	3	3	2	3	4	3	3	3	4	4	2	2	1	1	1	1	1	1	1	1	1	2	3
17	1	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	2	3	2	2	2	1	1	2	1
18	2	0	0	0	1	1	3	7	11	15	12	17	10	9	11	9	11	11	9	5	5	3	3	3	7
19	4	M	2	1	1	1	4	7	10	12	13	11	9	10	13	10	11	12	9	5	3	2	2	2	7
20	1	1	1	1	2	1	3	6	7	7	6	7	9	8	17	6	6	10	12	8	7	7	5	4	6
21	4	2	1	2	3	4	6	7	9	11	8	11	9	9	9	M	7	16	24	20	21	20	15	14	10
22	14	6	6	4	3	6	5	6	11	19	15	9	3	4	6	12	17	18	20	15	11	7	5	4	9
23	3	2	1	1	0	1	2	3	4	4	15	12	10	19	8	9	12	11	8	5	5	6	4	4	6
24	3	2	2	1	1	5	7	7	10	12	14	11	15	16	17	17	21	14	23	11	6	5	4	7	10
25	8	8	8	8	6	4	4	5	3	4	6	7	5	8	13	10	6	7	8	10	7	8	13	17	8
26	11	6	12	13	11	12	14	16	17	19	21	21	28	28	24	18	20	21	26	39	31	21	12	13	19
27	23	31	16	11	9	9	11	11	14	15	12	11	14	16	13	18	38	43	39	27	14	10	10	8	18
28	7	7	9	12	14	14	14	14	15	20	18	18	14	15	14	12	11	11	11	9	7	8	7	6	12
29	6	6	7	8	10	8	9	6	8	6	6	6	6	9	10	10	7	10	9	6	4	4	4	3	7
30	3	7	7	6	4	3	8	8	8	8	7	6	4	5	7	7	3	3	2	2	2	2	2	3	5
31	2	2	1	0	1	0	1	3	6	9	11	11	9	12	12	10	8	8	7	4	4	3	2	3	5

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
6	6	7	6	14	18	24	31	31	0	-	43	1	-	19	2	100	0

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

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

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0
2	1	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
3	1	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
4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	0
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1
6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1
7	2	1	0	0	0	0	0	0	0	0	M	M	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	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
9	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
10	M	M	M	M	M	M	M	M	M	M	M	M	0	0	0	0	0	0	0	0	0	0	0	0	7	0
11	2	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
12	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
13	1	0	0	0	0	0	0	0	0	0	3	3	3	0	0	M	0	0	0	0	0	0	0	0	1	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	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	3	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	5	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	7	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	1	3	6	0	-	12	0	-	1	2	93	0	

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

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

STATION : POK FU LAM

MONTH: JULY

YEAR : 2023

POLLUTANT : NITROGEN DIOXIDE

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	6	2	4	4	3	3	11	13	4	5	4	9	9	15	7	8	16	15	8	5	4	3	6	7
2	0	1	4	9	3	4	5	3	11	10	5	4	8	9	11	18	21	16	8	18	10	6	5	6	8
3	7	8	5	2	5	3	4	5	11	10	8	8	3	2	3	9	8	6	5	6	9	9	3	6	6
4	6	6	2	5	4	8	10	9	8	5	4	4	7	3	6	9	18	31	15	16	19	13	5	7	9
5	10	6	4	6	10	7	9	10	19	9	8	2	5	4	3	1	3	10	8	7	7	7	6	9	7
6	9	10	6	7	8	9	7	9	9	7	9	5	2	3	4	3	2	5	10	9	11	12	12	18	8
7	12	12	10	7	6	10	9	8	9	5	M	M	5	4	3	8	6	10	9	19	13	16	8	6	9
8	4	7	12	6	6	12	7	5	9	9	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
9	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
10	M	M	M	M	M	M	M	M	M	M	M	M	3	7	8	5	13	11	12	11	14	14	19	26	
11	22	13	10	5	6	8	5	4	5	6	9	4	9	15	6	6	6	9	11	14	15	15	14	10	9
12	9	8	5	11	16	13	16	25	12	10	5	12	6	9	8	13	12	9	13	15	13	20	20	14	12
13	8	12	6	7	13	7	9	8	7	5	14	20	16	12	9	M	22	17	20	17	14	14	12	8	12
14	9	7	8	8	13	26	26	14	19	27	24	17	14	12	19	19	21	18	24	23	20	21	13	13	17
15	12	12	14	13	27	23	33	28	30	33	36	53	53	24	24	37	57	32	22	20	56	78	75	40	35
16	24	9	8	6	8	13	16	16	8	8	8	8	8	5	4	4	4	4	4	5	4	4	4	5	8
17	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	2	2	1	3	2
18	3	1	1	2	2	3	5	5	6	7	5	6	5	5	6	6	7	8	5	5	5	5	5	4	5
19	4	3	3	4	3	4	8	9	12	10	8	10	8	7	7	9	8	7	7	5	5	4	4	4	6
20	4	3	4	4	5	4	7	11	12	11	11	12	14	9	12	8	9	16	27	11	10	14	10	6	10
21	7	4	8	13	13	8	12	21	32	28	20	20	16	13	17	11	13	31	42	34	29	26	19	17	19
22	25	9	7	7	9	11	7	13	19	25	15	12	10	10	10	13	25	25	25	20	18	11	8	6	14
23	5	M	4	4	3	4	7	7	9	12	14	15	7	12	11	10	11	12	10	8	11	14	7	6	9
24	5	5	5	4	5	19	8	20	24	24	22	13	14	11	13	16	22	20	36	14	13	14	10	20	15
25	25	24	24	20	17	15	16	19	9	16	14	15	11	13	21	14	16	16	18	25	26	33	35	45	20
26	34	27	43	47	47	41	35	37	38	41	36	56	68	61	44	43	54	40	49	71	54	46	31	45	45
27	67	75	50	37	30	32	31	28	33	38	26	27	38	35	33	41	52	45	38	33	12	35	26	22	37
28	24	26	32	45	53	50	49	41	37	36	40	52	33	29	27	25	22	15	18	13	10	12	11	10	30
29	9	7	6	7	3	4	7	9	9	16	14	16	12	14	14	13	12	12	10	8	3	6	4	3	9
30	4	15	12	9	7	5	11	14	14	12	10	6	4	12	12	10	5	5	23	18	10	15	10	6	10
31	16	12	4	3	4	3	5	5	9	8	7	7	5	5	5	5	7	8	8	8	12	12	7	8	7

MONTHLY STATISTICS:

GEOM		ARITH -----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL				
10	9	14	9	31	41	53	57	0	-	78	2	-	45	2	93	0	

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

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

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

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

STATION : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	2	2	2	3	3	1	1	2	2	3	3	2	1	2	1	1	1	2	2
2	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	2	2	1	2	2	1	1	0	4	1	0	1	1	1	1	1	1	1
4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	2	1	1	1	0	1	1	1	1	1
10	1	1	0	1	1	1	1	1	2	1	1	1	2	1	2	1	1	1	0	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	0	1	1	1	M	1
12	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	2	1	1	1	2	1	1	1
13	1	1	1	1	1	1	1	2	2	3	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	2	4	2	3	2	1	2	2	3	2	1	1	1	1	1	1	1	2
15	1	1	1	1	1	1	1	2	3	3	4	5	2	3	1	3	3	2	1	0	1	1	1	1	2
16	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	1	1	0	1	0	1	1
17	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	0	1	1	1	0	0	1	1
18	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	0	1	1
19	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	2	1	1	1	1	0	1	1	2	1	2	0	1	1	1	1	1
21	1	1	1	1	1	1	1	3	2	6	3	3	2	3	2	2	2	3	4	2	1	1	2	1	2
22	1	1	1	1	1	1	1	1	2	3	2	2	1	1	2	3	3	1	1	1	1	1	0	1	1
23	1	0	0	0	0	0	1	1	1	1	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	2	2	3	7	6	4	3	3	2	3	2	2	1	1	1	1	2	2
25	2	2	2	2	3	1	1	1	2	2	2	2	1	2	3	3	3	2	1	1	1	1	2	3	2
26	2	1	1	1	1	2	3	5	7	4	4	4	7	5	4	2	2	3	2	1	1	1	1	1	3
27	1	1	1	1	1	2	2	3	3	3	2	2	1	4	2	3	3	4	3	2	0	1	1	3	2
28	1	1	2	2	2	2	2	3	3	4	4	4	5	5	3	4	4	2	1	1	0	0	0	0	2
29	0	0	0	0	1	0	1	0	1	1	1	1	1	1	0	1	0	0	1	0	1	1	0	0	1
30	0	1	0	1	1	0	1	0	1	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	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	2	3	4	5	0	-	7	0	-	3	2	98	0	

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

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

STATION : AP LEI CHAU

MONTH: JULY

YEAR : 2023

POLLUTANT : NITROGEN DIOXIDE

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	6	6	8	8	6	15	12	13	14	14	5	6	20	21	35	40	30	31	55	15	6	9	16	17
2	7	12	15	24	13	16	28	22	15	9	0	4	9	7	17	18	12	22	10	18	4	8	16	10	13
3	5	4	8	12	22	3	11	4	7	11	12	15	2	2	1	6	3	11	1	10	9	5	4	3	7
4	12	10	11	8	4	10	9	6	5	8	10	4	8	3	5	10	14	13	19	31	19	13	6	7	10
5	3	8	8	5	16	7	7	17	18	11	9	7	5	9	7	2	10	19	12	3	1	5	5	7	8
6	12	6	2	6	11	9	14	13	13	6	7	5	6	4	5	5	5	8	15	9	8	8	12	14	8
7	12	7	6	7	4	3	6	2	9	10	7	8	3	4	4	11	9	13	7	22	14	14	7	4	8
8	3	21	8	2	10	12	10	6	18	14	13	9	7	7	2	6	14	20	11	13	12	18	16	13	11
9	15	10	8	11	11	19	9	10	19	14	9	10	6	2	8	11	11	17	8	8	12	14	21	24	12
10	15	14	20	14	17	16	11	14	15	16	12	21	7	7	16	11	13	9	19	9	5	21	20	28	15
11	26	M	14	11	20	19	12	8	9	14	9	6	9	16	9	11	11	15	10	23	11	21	16	M	14
12	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	11	19	16	21	25	41	11	28	
13	20	32	21	17	4	9	20	19	17	18	22	17	7	2	1	0	5	3	4	3	17	6	4	4	11
14	4	1	1	9	10	30	14	20	35	9	18	11	5	16	19	29	26	27	35	37	28	25	8	12	18
15	19	20	21	20	10	26	27	29	28	40	50	59	18	9	15	39	22	26	14	16	25	44	27	30	26
16	5	15	0	0	1	2	3	5	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	2
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	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0
19	2	0	0	1	1	2	8	5	3	1	3	3	3	2	1	1	1	2	3	5	9	1	3	1	3
20	2	1	3	5	2	1	6	7	3	1	9	6	4	2	5	4	14	9	23	7	4	7	18	5	6
21	9	15	8	11	8	13	12	20	11	34	25	27	17	19	9	9	5	23	29	29	25	15	28	19	18
22	21	6	5	6	12	18	17	10	7	18	14	12	4	2	6	13	19	11	11	14	10	6	2	1	10
23	0	0	0	4	0	1	1	2	1	0	17	12	9	2	0	1	6	11	9	2	7	8	2	2	4
24	6	8	5	5	4	20	10	17	5	12	24	25	17	11	11	10	14	17	17	9	8	4	4	22	12
25	27	M	27	26	25	15	12	5	4	14	13	20	16	26	27	19	22	15	13	17	20	28	37	43	20
26	35	15	30	17	35	49	53	61	60	43	33	52	72	78	43	30	58	65	59	32	43	44	39	59	46
27	27	29	32	16	13	32	26	23	26	38	27	37	27	32	21	40	52	50	55	27	12	27	25	87	33
28	71	46	56	60	43	34	45	40	38	43	43	32	28	39	35	37	34	25	23	15	8	7	2	1	34
29	1	2	3	7	1	5	7	7	11	10	18	36	38	9	3	2	1	3	6	2	2	4	3	3	8
30	4	22	12	9	13	6	17	12	16	8	5	10	5	16	12	9	7	5	7	8	6	6	5	7	9
31	7	6	2	1	5	3	5	8	6	6	3	2	1	1	2	1	0	1	0	2	2	1	3	4	3

MONTHLY STATISTICS:

GEOM		ARITH -----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
10	9	13	9	29	40	54	60	0	-	87	0	-	46	3	97	0	

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

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

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	0	0	1	1	M	1	
2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1	0	0	M	1	
3	1	1	1	0	0	0	1	1	1	0	0	1	0	0	0	1	1	1	0	1	0	0	0	M	0	
4	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	0	0	M	1	
5	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	M	1	
6	1	0	1	0	1	1	0	1	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	M	0	
7	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0	
8	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	
9	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	
10	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	
11	1	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
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	5	0
13	1	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
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	5	0
15	1	0	0	0	0	0	0	0	1	1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	6	1
16	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	7	1
17	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	M	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	M	0
21	6	3	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	1
22	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	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	M	0
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
25	1	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
26	1	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
27	1	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	M	0
28	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	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	2	5	0	-	7	0	-	1	2	88	0	

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

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

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

MONTH: JULY

YEAR : 2023
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	1	1	4	4	1	4	2	1	1	1	9	3	7	1	3	11	3	3	13	29	37	33	7	8
2	3	6	12	16	18	14	9	15	3	0	1	0	2	3	2	3	2	4	4	1	2	4	6	26	7
3	30	5	1	4	4	13	18	25	14	3	2	2	0	0	0	0	0	0	0	1	0	0	1	4	5
4	1	1	4	1	2	3	4	3	1	0	0	0	0	0	1	2	9	26	36	26	40	7	3	4	7
5	7	M	12	3	3	2	3	3	3	2	3	0	0	0	0	0	1	3	2	2	9	9	5	2	3
6	6	4	3	3	5	6	5	5	4	4	4	1	2	2	0	0	0	1	2	3	4	4	8	4	3
7	5	5	3	2	3	1	2	1	1	0	1	1	0	0	0	0	0	2	4	3	5	6	2	5	2
8	5	4	3	2	7	9	11	14	7	2	2	1	0	1	0	0	1	3	6	4	11	6	12	5	5
9	11	18	9	3	6	8	11	8	8	4	2	1	0	0	0	0	1	1	2	1	4	9	8	9	5
10	17	14	12	12	11	16	14	5	3	1	1	0	0	1	1	1	M	2	3	8	3	7	5	3	6
11	5	8	3	4	3	1	6	2	4	1	1	1	0	0	0	0	1	3	7	2	3	5	0	2	3
12	1	1	3	2	2	3	5	1	2	3	1	0	0	0	0	0	0	0	0	0	1	0	3	1	1
13	3	9	1	2	12	23	23	23	15	9	4	0	2	9	4	4	6	11	10	7	5	1	2	3	8
14	3	1	1	2	12	19	9	21	17	9	3	2	2	3	3	7	8	9	3	13	14	14	15	8	8
15	19	14	14	13	6	38	40	29	28	34	46	45	27	13	20	10	28	13	37	55	39	21	19	15	26
16	22	14	23	24	19	11	12	16	15	22	16	17	14	10	10	0	0	2	2	1	3	5	5	4	11
17	2	2	1	1	7	3	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	M	1	1
18	0	0	0	0	1	1	2	1	0	1	1	2	1	4	5	4	6	2	6	4	6	7	15	4	3
19	2	M	9	3	5	5	4	5	3	4	6	7	5	9	8	11	6	5	14	7	6	5	4	9	6
20	10	2	5	2	3	15	11	16	10	3	4	4	3	6	4	3	4	7	6	5	10	18	15	28	8
21	33	26	24	20	18	19	19	26	29	22	4	4	6	3	2	3	4	5	8	6	8	7	9	6	13
22	8	11	15	18	19	19	17	17	11	9	5	4	5	3	1	1	0	0	1	0	7	6	3	28	9
23	20	16	18	17	16	16	10	10	6	1	0	0	1	2	6	7	3	2	9	4	6	9	13	M	8
24	6	7	12	14	18	18	20	10	9	3	6	4	2	1	1	1	0	1	0	0	1	1	2	5	6
25	3	3	3	3	3	1	4	3	3	2	2	2	1	0	1	4	1	2	4	3	7	9	18	14	4
26	9	14	17	16	12	19	21	17	17	18	22	28	31	19	19	15	24	26	26	43	67	75	79	80	30
27	68	43	27	34	26	27	30	29	28	22	30	33	41	35	20	12	24	19	21	12	17	22	15	41	28
28	15	24	23	33	26	29	30	32	27	27	26	27	18	23	15	10	9	7	6	5	5	10	3	6	18
29	3	1	3	1	0	0	1	1	1	4	4	8	18	19	7	6	4	6	14	5	1	1	1	1	5
30	7	9	3	1	1	4	2	2	3	1	0	60	13	10	5	2	4	4	4	12	7	6	8	2	7
31	1	3	10	6	9	9	4	5	8	2	1	0	0	0	0	0	0	0	1	3	1	4	3	7	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	
5	4	8	4	22	29	39	46	0	-	80	1	-	30	3	99	0	

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

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

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

MONTH: AUGUST

YEAR : 2023

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

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	2	3	4	6	5	5	7	5	5	3	3	4	6	9	6	1	1	1	1	3
2	5	M	0	0	0	0	0	8	9	13	15	M	6	5	5	9	8	3	7	7	9	25	21	13	8
3	8	3	0	0	1	4	1	1	11	19	15	11	22	12	10	5	6	15	8	6	6	5	5	8	8
4	5	3	1	0	1	1	0	5	7	6	5	3	5	4	6	13	8	5	9	11	4	9	10	4	5
5	3	3	2	3	2	2	2	1	4	1	1	1	1	0	0	1	3	3	5	7	2	5	2	3	2
6	4	3	3	1	0	0	0	2	1	1	2	2	0	0	1	0	1	8	7	3	1	3	2	0	2
7	0	0	1	0	0	0	1	4	4	3	3	2	1	1	2	1	2	10	7	2	4	6	4	3	3
8	3	3	3	9	1	0	2	3	3	4	10	12	19	14	1	1	4	10	11	9	7	7	2	2	6
9	1	3	4	5	1	0	2	4	4	4	4	3	1	1	2	8	21	14	2	2	7	4	3	4	
10	2	2	1	0	1	0	0	0	1	2	2	9	9	8	10	30	28	18	13	31	34	3	0	13	9
11	1	8	0	15	0	0	1	7	6	9	5	13	17	21	7	6	5	3	7	2	7	6	2	11	7
12	10	3	19	2	3	3	1	3	3	3	7	2	6	4	5	14	14	19	15	6	6	18	16	6	8
13	2	2	1	2	0	0	4	9	5	5	2	0	3	2	13	12	16	10	13	6	15	31	2	3	7
14	1	9	7	2	9	1	1	2	5	2	7	17	6	6	8	7	8	9	7	5	4	12	4	10	6
15	11	3	0	1	3	11	12	2	3	4	8	5	4	4	5	4	4	8	25	12	18	9	4	6	7
16	7	M	0	0	0	0	0	1	2	2	0	1	2	0	2	7	6	14	17	18	17	10	8	5	5
17	3	1	1	0	0	1	9	6	10	7	6	M	9	14	19	26	29	14	8	9	3	3	7	3	8
18	3	1	1	0	0	1	2	7	5	5	9	11	23	6	7	13	31	33	10	6	7	6	5	2	8
19	1	0	0	0	0	0	6	14	14	12	13	7	14	9	7	26	8	17	31	12	17	9	19	5	10
20	2	0	1	0	0	1	5	4	3	3	4	4	3	5	4	6	5	12	12	8	8	7	5	0	4
21	0	0	0	0	1	0	2	3	1	3	2	2	4	2	4	5	7	9	9	14	10	11	8	4	4
22	7	3	0	1	4	5	3	3	4	6	6	6	2	3	7	11	8	15	14	8	9	7	10	5	6
23	5	6	7	3	0	1	7	6	6	3	3	3	3	3	6	8	7	14	17	11	5	1	2	0	5
24	0	0	1	0	0	1	2	8	4	4	4	5	2	4	6	8	6	5	12	2	5	0	0	3	3
25	3	0	0	0	0	0	3	2	2	3	2	4	2	3	5	11	10	13	7	2	1	0	1	5	3
26	12	20	11	1	0	1	9	3	4	4	3	5	4	3	5	6	6	9	7	9	17	20	6	2	7
27	1	3	3	4	1	4	4	4	2	3	3	6	3	4	3	6	7	12	11	13	11	10	7	3	5
28	0	2	1	0	2	2	4	12	21	21	8	24	16	7	5	6	10	9	12	9	2	5	3	3	8
29	9	5	2	0	4	4	6	11	10	5	17	20	5	12	4	40	20	23	15	19	44	72	34	10	16
30	7	M	9	8	9	5	4	13	19	20	20	18	14	15	11	15	28	25	17	16	15	11	8	13	14
31	9	9	4	3	3	3	7	14	10	16	15	11	10	13	9	12	18	21	23	21	12	11	18	11	12

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
5	5	7	5	15	19	26	31	31	0	-	72	2	-	16	2	99	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: AUGUST

YEAR : 2023

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

MONTHLY STATISTICS:

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: AUGUST

YEAR : 2023

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	8	2	3	2	4	4	4	4	5	3	7	6	9	5	11	4	4	8	12	12	8	5	5	6
2	4	M	3	3	3	3	2	6	7	5	4	5	2	2	2	2	4	4	6	10	10	12	9	10	5
3	15	8	5	3	2	6	21	11	8	13	18	16	13	12	12	8	6	5	7	7	7	10	8	8	10
4	8	10	12	2	6	5	9	8	9	19	8	18	14	10	7	5	11	9	10	10	13	10	9	8	10
5	11	6	6	16	9	13	13	8	6	12	8	9	5	4	3	4	6	9	8	19	11	9	8	7	9
6	10	9	5	9	7	5	8	7	9	6	8	5	6	6	9	10	11	11	12	8	9	8	5	9	8
7	8	3	12	8	12	13	16	17	7	8	11	4	9	2	6	6	7	10	14	4	9	10	10	20	9
8	10	10	17	22	9	11	30	36	13	16	9	9	4	15	5	7	7	9	13	10	7	15	13	17	13
9	8	8	11	21	11	8	14	14	13	10	18	15	11	9	7	7	11	13	13	7	9	11	11	13	11
10	21	11	16	4	9	13	2	6	2	7	11	27	15	8	7	27	34	37	45	63	58	39	24	38	22
11	13	7	6	8	8	6	20	34	30	17	8	12	18	17	14	12	8	7	10	5	7	14	12	20	13
12	17	18	2	6	14	27	20	16	15	15	10	6	9	8	7	10	8	17	16	14	9	7	17	9	12
13	7	6	10	12	5	6	14	16	17	10	13	8	21	10	15	14	17	14	23	14	18	13	11	9	13
14	9	27	1	3	6	13	11	13	16	12	12	4	4	7	7	10	13	17	6	9	8	11	19	30	11
15	13	15	9	15	15	13	8	5	4	4	3	8	5	5	7	8	11	13	18	18	19	25	37	26	13
16	21	M	5	4	12	5	8	18	13	5	0	6	2	3	8	13	7	14	12	9	14	19	15	14	10
17	20	17	22	7	18	24	32	17	17	10	8	9	8	7	12	31	40	41	24	24	19	21	17	19	19
18	28	29	21	14	12	14	13	28	17	12	9	22	21	49	29	46	40	29	44	40	21	20	41	22	26
19	17	17	14	9	11	8	10	12	8	13	10	14	7	10	54	38	22	44	31	11	12	19	16	19	18
20	17	19	17	20	19	22	20	15	11	11	9	10	14	10	10	11	13	14	17	15	9	12	7	2	14
21	3	4	6	8	7	5	9	9	6	5	6	2	4	6	3	2	3	7	10	14	14	11	6	7	7
22	9	9	18	9	10	13	19	13	11	8	6	9	6	3	11	8	10	11	18	16	13	10	8	9	11
23	10	10	14	10	13	19	29	18	9	8	9	6	6	5	5	6	7	8	9	9	8	8	10	6	10
24	5	5	7	4	5	3	8	8	4	3	5	4	2	1	3	2	5	6	3	4	4	9	12	10	5
25	8	6	6	4	4	4	5	6	5	2	M	2	1	1	3	6	9	7	12	13	5	1	13	16	6
26	12	8	7	5	6	7	7	7	7	6	7	12	8	6	10	9	10	8	6	15	16	13	13	9	9
27	7	9	16	12	14	8	14	4	7	6	8	9	5	3	4	6	9	19	16	21	12	10	12	12	10
28	7	4	1	3	4	5	10	12	10	7	9	1	3	3	5	6	12	14	11	7	2	4	4	5	6
29	11	10	10	9	9	5	2	3	6	5	4	3	2	2	2	6	32	35	71	71	85	61	26	13	20
30	7	M	6	7	8	10	11	13	16	19	35	39	31	25	17	24	46	30	33	27	20	15	13	11	20
31	9	8	6	4	4	4	4	6	7	9	11	14	14	9	7	12	17	27	30	20	21	16	18	29	13

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	0	1-HR	85	5	24-HR	26	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL
9	9	12	9	21	30	40	48	0	-	85	5	-	26	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: AUGUST

YEAR : 2023

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

MONTHLY STATISTICS:

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

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: AUGUST

YEAR : 2023

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

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
7	7	8	7	13	16	19	21	21	0	-	27	4	-	13	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: AUGUST

YEAR : 2023
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	5	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	4	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	3	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	1	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	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	6	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	15	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	18	1
9	0	0	0	0	0	0	0	0	0	0	M	M	M	M	M	M	M	M	5	0	0	0	0	0	12	
10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	21	1
11	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	1
12	6	2	2	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	2
13	6	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1
14	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	1
15	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	1
16	6	2	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	42	2
17	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	2
18	10	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	2
19	8	5	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	2
20	9	4	3	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	2
21	10	5	3	2	1	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	2	5	40	3
22	11	6	3	2	1	2	1	1	0	M	M	10	7	4	2	1	2	2	1	1	0	0	1	1	44	5
23	12	6	4	2	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	44	3
24	10	5	3	2	2	1	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	40	3
25	10	5	3	2	1	1	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	37	3
26	10	5	3	2	2	2	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	37	3
27	9	4	2	2	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	35	2
28	8	4	3	2	1	1	0	1	2	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	37	3
29	9	5	2	2	1	1	1	1	3	2	3	1	1	0	1	0	0	0	0	0	0	1	0	0	41	3
30	9	5	3	2	1	2	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	35	3
31	8	3	2	1	2	1	1	1	1	1	1	1	2	1	0	0	1	0	1	0	1	0	0	0	32	3

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----		STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99		1-HR		24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
3	0	2	0	3	9	27	37	0	-	44	0	-	5	3	99	0

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

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

STATION : POK FU LAM

MONTH: AUGUST

YEAR : 2023

POLLUTANT : NITROGEN DIOXIDE

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	6	5	5	8	9	11	21	19	20	19	14	19	33	19	35	39	33	9	9	10	9	11	16
2	13	10	9	6	6	15	17	11	36	36	19	23	14	13	14	18	18	27	18	16	21	20	16	18	17
3	16	7	8	8	33	39	14	21	26	27	21	20	29	18	13	9	7	12	11	10	14	10	15	14	17
4	15	11	12	3	7	10	12	16	20	17	14	17	13	9	9	8	11	9	15	24	11	10	12	9	12
5	20	17	16	24	23	14	16	12	15	13	9	9	11	8	9	7	8	10	10	12	19	15	17	20	14
6	26	M	19	16	13	8	8	13	9	15	15	11	11	14	15	9	10	7	5	5	8	8	19	16	12
7	16	12	18	23	24	14	17	21	25	17	22	17	9	7	10	7	11	18	20	19	13	22	14	23	17
8	13	14	16	24	11	7	19	15	12	10	10	12	24	6	8	11	18	16	17	17	11	14	14	18	14
9	18	14	19	17	11	7	11	20	18	30	M	M	10	9	M	M	M	M	33	11	8	13	11	20	16
10	24	29	13	12	27	13	5	9	14	14	13	26	16	21	30	40	54	52	63	65	40	21	14	15	26
11	12	22	4	10	3	5	11	23	18	24	18	26	31	19	26	15	18	11	22	11	17	16	12	14	16
12	19	15	15	9	15	11	10	13	17	14	14	8	8	9	7	16	13	20	15	19	13	9	14	13	13
13	12	8	8	9	7	8	15	22	13	15	10	9	14	9	20	22	19	14	17	13	18	8	16	24	14
14	12	14	5	4	8	8	11	13	17	13	9	10	8	10	7	14	14	20	28	18	17	15	13	29	13
15	14	14	13	13	19	8	7	13	19	17	15	9	11	12	8	13	9	18	19	13	16	17	23	14	14
16	28	12	9	14	28	10	9	19	19	20	9	16	9	6	8	12	10	17	16	19	16	14	20	19	15
17	21	15	17	4	10	11	22	19	30	31	27	21	27	37	44	43	43	26	25	21	24	11	14	18	23
18	25	13	11	16	12	11	15	36	25	22	30	36	52	36	45	28	53	43	22	22	15	22	30	15	26
19	13	6	7	7	7	5	14	28	25	23	20	24	23	36	61	63	26	39	34	20	21	14	14	9	22
20	4	M	14	11	8	10	16	12	11	5	7	5	5	7	5	7	4	7	11	9	6	16	10	3	8
21	2	3	3	4	4	3	4	8	16	7	9	8	12	13	15	13	19	22	18	14	9	12	7	10	10
22	12	8	5	6	13	15	22	10	16	M	22	13	8	9	20	16	16	20	14	13	10	17	11	11	13
23	11	15	17	12	8	13	17	17	16	13	9	12	8	8	16	10	13	26	23	16	9	6	9	5	13
24	3	3	4	2	3	8	15	25	17	11	24	14	10	19	12	26	27	20	14	11	10	12	6	13	13
25	20	8	4	5	3	5	7	8	20	27	25	16	9	11	12	16	19	23	37	24	19	7	16	31	16
26	39	40	31	12	36	34	21	9	16	14	17	17	10	8	15	13	14	16	8	9	11	15	13	7	18
27	5	9	11	10	10	16	12	8	12	10	17	11	7	9	7	9	6	8	9	9	8	7	11	6	9
28	4	6	9	4	7	19	18	28	40	39	17	21	12	12	15	12	25	16	14	10	7	6	7	8	15
29	17	12	5	2	5	9	12	20	40	44	45	38	11	17	16	60	48	61	61	54	72	82	32	20	33
30	11	19	21	29	12	24	17	29	31	35	31	30	23	22	19	25	38	53	63	39	31	36	27	24	29
31	21	18	12	11	19	13	24	34	35	33	32	32	28	31	30	48	37	42	40	42	36	36	38	27	30

MONTHLY STATISTICS:

GEOM	ARITH		-----PERCENTILES-----					-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
14	14	17	14	31	39	52	61	2	-	82	8	-	33	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 : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

MONTH: AUGUST

YEAR : 2023
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	1	1	1	0	1	1	1	1	1	0	1	2	3	2	2	2	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	2	1	1	1	2	3	6	M	2	3	2	2	2	1	1	0	1	1	1	1	2
4	1	0	0	0	1	1	0	0	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	1	1
5	1	1	0	1	0	1	1	0	0	0	1	1	0	1	1	1	1	1	0	1	0	1	1	1	1
6	0	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1
7	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1
9	1	1	1	0	1	0	1	1	1	2	2	2	2	2	2	1	1	1	0	0	1	1	1	1	1
10	1	1	0	0	0	1	0	0	1	1	1	2	1	0	0	1	1	1	1	2	2	1	1	1	1
11	1	1	0	0	1	1	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
12	2	1	1	1	2	1	1	1	2	3	1	1	2	1	1	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	0	0	0	1	1	0	1	1	0	0	1	1	1	1	1	0	0	1	0	0	1	1	1
15	0	0	1	0	0	1	0	0	1	1	1	1	0	1	0	1	0	1	0	1	0	0	1	1	1
16	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
17	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	2	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	2	1	1	0	0	1	1	1
20	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	2	1	1	1	1	0	0	1	1
21	0	1	1	1	1	0	1	1	1	1	3	1	0	1	1	0	1	0	1	1	1	1	1	1	1
22	1	1	1	0	1	1	1	1	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1
23	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1	1	2	0	0	1	0	0	0	0	1
24	1	1	0	1	0	0	1	1	1	1	1	1	0	1	0	1	0	1	0	0	0	0	0	0	1
25	1	0	1	1	1	0	0	1	2	1	1	0	0	1	0	0	0	1	0	0	0	1	1	1	1
26	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	0	0	0	1
27	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1
28	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	1	1	0	1	1	1	1	1	1	1
29	1	1	1	1	1	2	1	1	2	1	0	1	1	1	1	1	1	1	1	1	2	2	2	4	1
30	1	1	2	1	1	1	1	2	2	3	4	4	3	2	1	1	1	1	1	1	1	1	1	3	2
31	2	1	1	1	1	1	1	2	2	2	1	1	2	1	1	1	2	1	1	1	1	1	1	3	1

MONTHLY STATISTICS:

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

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

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

STATION : AP LEI CHAU

MONTH: AUGUST

YEAR : 2023

POLLUTANT : NITROGEN DIOXIDE

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	5	2	2	3	5	12	6	2	4	2	4	5	23	20	7	18	27	21	10	6	5	4	10	9
2	9	2	0	0	1	14	30	11	2	4	1	1	1	0	0	1	0	0	2	7	7	12	9	11	5
3	23	4	15	16	31	23	13	5	19	29	31	M	9	7	5	6	5	6	5	12	15	10	9	10	13
4	9	6	11	1	8	2	11	11	21	25	16	22	23	13	4	8	10	6	8	9	5	3	2	9	10
5	18	5	4	15	4	16	23	15	10	12	10	14	18	12	6	6	7	4	7	13	13	6	6	9	11
6	8	18	6	5	3	5	13	10	16	8	9	9	8	14	12	16	5	4	3	1	2	16	15	11	9
7	5	1	17	7	15	10	18	30	11	13	14	9	11	21	6	16	20	23	14	16	16	27	12	19	15
8	11	M	21	17	2	14	31	26	17	11	19	14	9	11	17	13	17	17	13	10	9	9	2	17	14
9	11	10	12	11	7	2	11	17	17	19	25	23	18	17	13	13	24	33	21	9	10	17	10	19	15
10	18	11	7	8	7	10	10	11	22	20	23	31	20	11	24	44	35	55	77	84	72	45	30	7	28
11	17	11	0	12	7	14	15	44	23	28	12	20	35	28	28	13	13	7	19	8	14	14	10	19	17
12	47	18	3	8	29	24	19	15	19	15	24	7	17	6	11	11	15	14	12	9	12	7	19	11	16
13	21	19	7	1	2	3	12	19	8	6	15	8	36	13	29	21	20	13	16	11	16	3	17	17	14
14	15	11	3	1	2	7	5	10	15	7	10	2	5	11	10	18	25	19	15	13	7	11	24	23	11
15	5	9	13	19	9	9	9	6	11	13	11	11	7	10	13	9	16	10	15	25	23	23	34	23	14
16	24	7	4	6	11	9	22	27	18	15	19	27	9	12	12	18	15	14	14	14	23	7	8	15	15
17	18	18	12	5	12	16	17	13	21	24	22	15	16	13	29	73	56	52	50	24	25	12	17	24	24
18	27	33	12	13	9	16	12	29	20	29	25	32	33	25	42	35	57	45	42	31	29	32	24	31	28
19	20	18	5	1	0	1	8	21	13	9	20	19	13	46	65	50	57	80	38	19	18	31	17	7	24
20	2	5	17	18	15	30	13	8	1	5	6	1	19	4	3	5	3	2	6	4	1	2	1	0	7
21	0	0	0	2	2	0	2	1	0	0	0	0	9	0	0	0	0	0	24	4	4	10	7	9	3
22	10	M	18	8	22	27	21	5	13	11	16	9	9	9	20	12	9	14	3	4	12	4	7	4	12
23	13	27	14	16	8	23	19	12	9	9	9	10	6	6	10	5	13	19	10	4	1	1	5	0	10
24	0	1	3	0	2	3	6	16	4	1	3	0	5	4	0	0	1	1	0	0	5	3	6	9	3
25	6	6	4	7	1	0	1	4	1	1	1	0	0	1	0	3	7	8	19	6	0	0	1	2	3
26	2	7	1	3	16	37	21	3	0	1	10	3	2	1	2	3	4	3	3	6	11	14	7	7	7
27	3	7	9	8	25	37	17	27	7	14	10	2	4	4	2	1	1	17	12	16	10	5	10	6	11
28	3	1	0	3	5	9	6	31	23	8	7	13	7	13	11	4	6	10	6	2	1	0	2	23	8
29	26	11	8	2	8	30	26	8	4	1	1	3	5	15	1	21	36	56	55	74	94	92	69	16	28
30	8	14	40	25	18	16	17	24	30	35	46	56	37	23	16	20	25	37	28	29	25	18	13	15	26
31	28	18	15	9	14	9	14	20	19	23	23	20	28	27	21	27	32	27	27	28	23	18	26	13	21

MONTHLY STATISTICS:

GEOM		ARITH -----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
10	11	14	11	28	35	55	71	0	-	94	3	-	28	3	100	0	

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

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

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

MONTH: AUGUST

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	M	4	0	0	0	0	0	0	0	0	4	0
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	3	1	
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	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	M	0
11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
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	M	0
13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	M	0
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
20	1	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
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	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	M	0
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
29	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
30	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0
31	1	0	0	0	1	0	1	1	1	2	0	1	2	1	0	1	1	1	2	2	1	1	1	1	M	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	0	1	1	2	0	-	28	0	-	1	2	97	0		

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

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

STATION : CHEUNG CHAU

MONTH: AUGUST

YEAR : 2023

POLLUTANT : NITROGEN DIOXIDE

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	10	10	8	12	16	17	16	11	3	3	1	1	2	M	5	6	4	8	25	27	21	15	10	10
2	24	M	39	36	37	41	38	28	21	29	14	3	5	3	2	2	6	10	12	2	4	3	3	5	16
3	4	4	14	12	14	18	26	23	16	21	10	1	1	3	1	2	0	0	1	1	2	2	1	1	7
4	3	1	4	0	0	0	2	4	2	3	6	3	4	4	1	1	2	0	1	3	1	1	3	5	2
5	4	4	3	0	0	0	0	2	4	2	5	7	1	0	0	1	1	2	3	9	6	6	8	3	3
6	3	1	0	0	0	1	0	1	1	1	2	4	1	0	0	0	2	2	1	1	0	4	0	4	1
7	3	1	0	1	1	5	6	2	2	2	3	5	6	2	0	0	2	1	1	1	1	2	1	4	2
8	2	1	2	2	3	4	5	16	14	4	2	0	1	1	0	0	1	3	0	1	1	1	1	2	3
9	1	3	2	0	0	3	2	5	15	9	9	7	2	7	3	8	3	18	8	7	9	5	6	7	6
10	5	4	1	2	1	1	7	28	39	41	27	5	7	12	25	10	25	22	30	18	35	30	42	12	18
11	12	6	2	4	0	2	23	8	10	5	3	6	6	7	8	3	3	1	1	0	2	3	3	5	5
12	7	7	3	3	2	2	4	6	10	3	2	2	0	1	0	0	3	3	1	1	1	2	3	4	3
13	3	2	1	1	2	1	2	2	0	1	2	3	5	8	7	5	4	2	2	3	5	3	21	3	4
14	5	6	0	0	2	1	2	3	2	0	1	7	4	2	2	2	6	8	10	6	5	8	9	4	4
15	9	12	11	10	9	13	9	19	17	8	4	1	1	4	4	1	4	7	7	9	6	9	10	4	8
16	10	M	12	7	5	3	6	7	5	3	3	1	1	8	5	2	4	5	4	6	12	10	6	6	6
17	8	7	3	3	3	6	6	8	16	5	6	5	5	8	42	41	23	27	39	12	11	8	7	8	13
18	8	7	3	2	8	4	5	7	5	9	9	32	30	25	29	28	21	23	46	25	43	43	32	26	20
19	28	38	49	45	20	28	32	35	18	6	6	7	12	42	27	24	26	9	10	33	28	23	17	41	25
20	40	41	36	42	37	38	34	20	13	17	8	8	11	11	14	16	11	15	20	12	16	8	15	27	21
21	30	27	20	20	18	30	28	19	17	6	6	8	5	4	8	12	10	22	33	19	25	34	31	32	19
22	25	34	34	27	15	14	22	15	13	11	7	2	4	2	1	1	2	1	4	2	5	6	10	12	11
23	13	13	6	4	18	24	19	28	20	10	11	1	1	0	0	1	0	1	8	9	5	8	16	6	9
24	8	10	9	14	8	22	20	10	1	19	4	0	3	1	0	2	2	2	2	5	12	16	18	24	9
25	26	30	28	29	26	28	27	21	20	24	4	6	5	6	4	6	13	10	15	21	21	19	17	30	18
26	32	33	30	25	23	23	18	19	17	10	7	13	8	9	5	13	16	13	17	23	15	15	18	13	17
27	23	21	27	27	16	11	5	3	7	19	19	11	9	7	4	5	12	16	14	15	22	17	20	19	15
28	14	14	16	13	6	3	5	14	12	6	16	1	2	0	2	11	18	13	14	12	23	22	32	13	12
29	23	33	27	26	25	33	27	27	29	17	7	6	4	3	8	10	49	50	62	37	46	40	34	26	27
30	16	M	16	10	11	16	25	22	28	29	36	39	42	35	40	46	53	61	58	79	64	52	41	33	37
31	28	29	29	32	35	31	36	38	41	47	28	27	64	71	64	62	91	109	113	104	65	66	54	47	55

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL			
8	7	13	7	32	41	55	65	65	0	-	113	1	-	55	3	99	0

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

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

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	0	1-HR	7	1	24-HR	4	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL
1	1	2	1	3	4	5	6	0	-	7	1	-	4	2	100	0	

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

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

STATION : VICTORIA PEAK
POLLUTANT : NITROGEN DIOXIDE

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	6	3	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	1	9	9	0	16	7	10	2	2
4	22	36	17	8	17	23	17	15	21	31	28	32	25	20	26	27	33	24	25	34	40	29	27	17	25
5	19	16	18	19	23	41	31	26	28	26	19	25	18	13	23	28	23	31	28	17	18	17	16	27	23
6	15	21	24	20	15	14	18	9	11	17	23	24	19	16	26	20	30	45	48	40	35	39	31	23	24
7	17	11	9	10	7	5	15	19	14	14	13	18	13	11	20	18	15	12	6	4	3	2	1	2	11
8	1	2	0	0	0	0	0	0	0	0	0	1	3	2	3	1	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	1	0	1	4	2	2	2	3	2	3	3	4	6	3	1	0	1	0	2
10	0	0	0	0	0	0	0	0	3	3	0	0	0	1	5	0	0	1	3	3	1	1	1	1	1
11	1	2	1	0	0	0	0	0	2	2	4	3	5	4	2	8	4	3	3	4	2	1	3	9	3
12	4	2	1	0	0	0	0	0	2	2	1	1	0	1	5	7	11	19	15	12	2	1	7	2	4
13	0	M	0	1	1	1	1	0	1	1	0	1	0	0	0	0	1	0	1	1	1	0	0	0	0
14	3	2	0	0	0	0	0	2	3	3	4	3	4	2	1	1	1	1	2	0	7	0	0	2	
15	7	5	1	2	0	0	3	3	3	1	0	0	0	2	3	1	4	23	13	8	3	0	2	4	
16	0	0	0	0	0	0	0	0	0	6	5	14	7	9	12	18	6	2	4	1	1	1	0	1	4
17	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	1	1	2	8	1	1	0	1	0	1
18	0	0	0	0	0	0	1	0	1	4	5	3	2	2	4	5	5	9	9	0	0	1	6	2	2
19	1	1	1	0	0	0	2	2	3	9	15	17	5	4	5	9	8	7	6	8	0	4	3	1	5
20	1	1	0	0	0	0	0	0	1	15	7	4	9	6	12	15	23	24	13	8	1	3	6	19	7
21	13	7	5	2	1	4	15	6	6	19	23	28	23	19	18	23	30	25	22	21	18	16	8	10	15
22	10	11	11	4	1	0	2	26	40	41	30	17	10	10	7	12	5	4	5	7	2	5	7	1	11
23	2	0	0	0	1	2	2	3	4	4	3	2	0	0	0	1	1	3	2	1	1	1	3	3	2
24	2	2	1	1	2	1	3	2	3	3	2	2	2	1	0	0	1	0	1	1	1	0	0	0	1
25	0	0	0	0	1	0	1	5	4	4	4	2	2	0	1	2	1	1	2	0	1	2	3	0	2
26	0	0	0	0	0	0	1	2	6	6	5	2	2	3	3	4	3	2	2	0	0	1	1	0	2
27	0	M	0	0	0	0	2	3	7	6	5	3	1	0	2	1	1	1	5	3	1	2	2	0	2
28	1	0	0	0	0	1	2	4	4	7	9	6	4	1	2	2	0	1	0	1	0	1	0	1	2
29	0	0	0	0	0	0	3	7	9	10	4	3	2	1	4	2	2	4	1	3	1	0	1	2	2
30	1	0	2	1	0	1	2	8	5	3	5	5	6	4	15	10	14	25	31	24	38	55	51	39	14

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
4	2	6	2	19	26	34	40	0	-	55	0	-	25	3	100	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: SEPTEMBER

YEAR : 2023

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	1	0	0	1	1	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	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1	3	6	3	1	1	1	1	0
4	3	3	3	3	2	1	1	1	1	1	4	1	2	8	3	4	3	0	2	2	2	3	1	1	0
5	1	2	2	5	5	4	8	7	4	3	2	2	3	1	2	3	4	3	2	2	2	3	4	5	3
6	3	2	3	3	2	2	4	3	2	2	4	3	2	2	0	0	1	2	3	4	5	3	2	0	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	1	0	1	0	0	1	0	0	1	1	1	0	1	1	2	1	0	0	1	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	1	0	0	0	0	0	1	2	0	0	1	3	2	0	2	1	0	1	1	1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0
13	1	0	2	1	1	1	1	1	1	0	1	1	0	1	0	0	5	3	2	1	2	1	1	1	0
14	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
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	1	0	0	0	1	0	0	1	1	1	2	5	2	1	1	1	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	1	0	0	1	1	0	0
21	2	3	2	2	1	2	1	1	2	3	3	2	0	0	1	1	0	1	3	2	1	1	1	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	M	0
23	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
24	M	M	M	M	M	M	M	M	M	M	M	M	M	M	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	0	0	0	0	0	0	2	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	2	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	M	2	1	1	3	3	7	5	7	4	4	4	4	4	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	1	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			
2	0	1	0	2	3	4	5	0	-	8	0	-	3	2	88	0	

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: SEPTEMBER

YEAR : 2023

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	19	16	14	11	10	9	9	9	9	9	9	8	8	9	8	9	9	8	7	7	6	6	6	8	9	
2	6	5	5	5	5	5	4	5	6	6	7	7	7	7	7	7	7	8	9	10	9	8	8	9	7	
3	8	8	9	8	8	9	9	9	8	7	7	8	6	9	5	6	12	19	13	12	20	30	34	55	13	
4	62	60	65	58	52	47	45	41	43	56	65	67	70	100	89	68	52	80	53	47	55	69	40	11	58	
5	10	9	19	62	64	56	58	53	47	40	38	32	41	33	66	64	97	70	35	36	67	66	79	78	51	
6	55	23	48	47	24	20	57	48	22	38	44	41	30	35	33	39	48	39	35	68	87	51	24	25	41	
7	38	28	27	20	20	25	29	23	23	21	25	31	21	14	11	13	19	15	13	15	12	6	5	4	19	
8	0	0	0	0	0	1	1	3	3	4	0	0	1	0	5	0	0	2	1	0	1	3	4	2	1	
9	0	0	0	1	3	2	7	3	3	4	4	6	5	7	6	6	6	11	13	7	5	5	8	5	5	
10	4	6	5	4	6	7	5	4	9	6	2	2	6	7	3	9	2	4	8	7	7	8	4	8	6	
11	6	10	3	5	2	4	3	2	3	7	8	7	3	4	3	2	1	2	3	2	1	5	10	3	4	
12	2	4	2	6	1	1	5	4	5	5	1	4	2	4	6	4	3	4	4	5	2	7	6	5	4	
13	8	M	4	5	7	9	7	10	14	7	4	5	2	3	1	3	5	2	3	6	3	3	0	2	5	
14	1	8	3	12	6	1	1	5	7	4	4	2	5	6	6	4	4	4	2	5	3	0	1	1	4	
15	2	1	0	2	2	6	11	8	4	3	2	2	2	1	2	5	3	3	7	5	2	0	0	2	3	
16	1	1	2	2	5	3	4	3	1	4	3	2	2	2	3	3	2	3	2	3	4	5	5	4	3	
17	4	4	6	4	3	4	4	4	2	4	3	3	1	0	2	2	2	9	11	10	16	10	9	6	5	
18	5	3	4	3	3	4	3	4	4	2	2	2	1	2	4	3	4	4	6	6	5	5	2	4	4	
19	5	7	6	5	2	1	2	4	7	6	3	2	3	2	4	6	5	7	26	13	12	10	3	9	6	
20	10	12	7	3	5	4	3	5	2	2	2	13	16	18	24	20	24	23	16	16	16	17	21	10	11	
21	16	20	16	22	13	10	17	18	22	26	19	19	14	12	12	13	20	25	16	23	18	17	12	23	18	
22	23	17	27	17	19	21	20	15	18	18	10	6	4	4	4	9	12	11	20	14	9	7	4	M	13	
23	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
24	M	M	M	M	M	M	M	M	M	M	M	M	M	M	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	2	2	3	3	3	2	5	4	3	5	3			
27	3	M	2	1	3	3	3	4	3	3	3	3	3	2	6	7	5	6	10	8	7	8	9	4	5	
28	3	2	2	2	2	3	3	2	3	2	2	2	3	3	4	3	5	6	9	8	7	12	3	8	4	
29	2	2	2	3	2	2	4	4	3	3	M	1	1	2	2	2	15	4	4	4	4	7	6	8	4	
30	4	3	2	3	3	3	2	2	4	4	3	3	3	3	1	7	8	14	16	13	28	22	13	8	7	

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	0	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL			
7	5	12	5	32	53	67	76	0	-	100	1	-	58	3	88	0	

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: SEPTEMBER

YEAR : 2023

UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

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

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: SEPTEMBER

YEAR : 2023

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	4	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	2	2	2	2	2	3	3
2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	3	3	3	3	3	4	3
3	3	3	3	3	3	3	4	5	4	4	4	5	4	3	3	7	12	22	23	35	42	26	20	16	11
4	24	32	25	19	25	28	26	24	27	30	32	37	37	28	33	30	28	24	28	33	34	33	19	34	29
5	30	24	25	33	33	31	28	27	29	30	26	28	26	25	24	33	29	25	27	21	26	25	22	23	27
6	17	14	24	18	11	11	17	18	15	21	22	24	19	18	21	32	31	28	34	40	31	27	20	22	22
7	20	15	11	17	17	18	27	29	29	29	24	28	28	20	23	15	29	30	16	11	9	7	5	8	19
8	5	6	5	3	2	2	2	4	8	4	3	4	12	19	13	5	3	3	4	3	3	3	4	3	5
9	3	3	3	3	3	4	5	6	12	18	24	22	25	26	19	25	21	18	17	13	9	6	6	5	12
10	4	3	3	3	3	3	5	8	14	10	6	5	6	6	12	7	5	5	5	6	5	4	5	6	6
11	4	5	3	2	2	2	4	7	13	12	M	17	11	14	13	15	16	14	12	9	8	6	5	10	9
12	8	4	3	3	2	3	6	9	15	15	12	11	12	10	16	17	16	24	20	18	11	8	11	6	11
13	5	M	3	3	4	4	6	8	12	13	14	14	11	13	16	17	15	15	11	7	6	4	4	3	9
14	3	3	3	2	2	3	8	13	18	20	21	21	20	22	22	20	20	18	14	10	8	13	13	14	13
15	13	17	15	13	11	12	10	10	11	12	11	9	9	10	12	16	18	16	11	10	6	4	6	17	12
16	6	2	1	8	2	3	4	7	11	15	17	21	21	16	20	22	21	16	9	5	5	5	4	5	10
17	3	2	3	3	2	2	4	7	6	4	3	5	4	4	5	6	5	5	6	5	4	4	4	4	4
18	2	2	1	2	2	2	5	8	11	6	4	5	3	4	5	5	9	20	18	8	6	4	7	8	6
19	6	3	4	4	2	3	14	14	19	11	18	16	27	15	9	10	11	21	18	12	7	7	5	5	11
20	4	4	3	2	2	7	8	11	10	19	11	14	14	14	16	19	23	12	14	10	9	15	18	10	11
21	14	10	10	10	5	8	11	11	11	14	20	16	18	14	17	14	18	14	18	11	17	15	15	14	14
22	15	25	13	14	17	15	15	17	24	29	26	22	9	8	14	29	25	20	15	14	10	6	7	6	16
23	5	3	3	3	3	4	5	6	7	8	10	13	8	10	9	11	20	16	9	6	6	4	6	3	7
24	3	4	3	2	3	2	4	4	4	4	5	4	4	3	3	2	4	3	4	4	3	4	3	3	3
25	3	2	1	2	3	3	4	5	7	12	12	12	9	10	9	11	15	11	11	5	4	4	4	3	7
26	2	2	2	2	2	2	4	6	10	12	14	9	10	12	14	17	18	21	17	7	5	4	4	4	8
27	3	M	2	2	2	2	5	6	16	15	14	15	9	10	21	19	21	16	11	8	7	5	6	4	10
28	3	3	2	2	2	2	3	4	9	10	10	10	10	13	13	19	20	16	10	7	7	6	4	5	8
29	4	3	3	3	2	3	5	7	12	10	15	13	15	9	11	11	9	15	11	14	8	6	7	7	8
30	5	3	3	4	3	5	3	7	16	20	13	11	6	5	9	7	12	16	19	16	11	21	27	27	11

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
8	9	11	9	24	28	32	34	1	-	42	3	-	29	2	100	0

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

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

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2023
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	4	2	2	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	28	2
2	6	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	2
3	6	2	2	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1	1	1	4	4	4	4	29	3
4	11	8	5	4	3	3	3	3	3	3	2	3	2	2	2	0	1	1	1	3	3	2	4	4	30	4
5	10	6	5	4	4	5	6	5	5	4	3	2	2	1	3	2	2	1	1	1	1	2	1	2	29	4
6	7	4	3	3	2	2	2	2	2	2	6	4	3	3	2	3	3	2	2	2	2	2	1	2	26	4
7	6	4	3	2	2	2	2	2	3	3	1	1	2	1	0	0	0	0	0	0	0	0	0	1	24	2
8	5	2	2	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	21	1
9	4	2	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	21	1
10	5	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1
11	4	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1
12	6	3	2	1	1	1	0	0	0	1	1	0	0	0	1	0	1	1	1	1	0	0	0	0	21	2
13	4	3	2	1	1	0	0	1	0	0	M	0	0	0	0	0	0	0	0	0	0	0	0	0	23	2
14	5	2	1	1	0	0	0	2	2	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	24	2
15	6	3	3	3	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	2
16	5	2	1	1	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	23	2
17	5	2	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1
18	5	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	3	3	24	2
19	6	2	1	1	0	0	0	0	4	4	5	4	4	2	0	1	0	0	0	0	0	0	0	0	20	2
20	4	2	1	0	0	0	0	0	1	6	4	5	5	3	0	1	2	0	0	0	0	0	0	0	20	2
21	5	2	2	2	1	1	2	1	0	5	6	4	3	1	0	0	1	1	0	0	0	0	0	0	19	2
22	4	2	1	0	1	1	1	3	5	7	2	0	1	1	1	1	0	0	0	0	0	0	0	0	18	2
23	3	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	17	1
24	4	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	1
25	4	1	1	0	0	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1
26	3	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1
27	3	2	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	15	1
28	3	1	1	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	16	1
29	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1
30	4	1	1	1	0	0	0	0	1	5	2	1	1	0	1	0	1	1	1	1	1	0	2	2	18	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	0	2	0	4	6	21	24	0	-	30	1	-	4	3	100	0	

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

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

STATION : POK FU LAM

YEAR : 2023

POLLUTANT : NITROGEN DIOXIDE

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	14	9	7	6	6	6	7	8	8	7	9	8	7	7	7	7	6	5	4	3	3	3	3	3	7
2	3	2	2	2	1	1	1	1	2	3	3	3	2	3	2	3	4	5	4	4	3	3	4	4	5	3
3	5	M	5	4	3	4	4	6	5	6	5	6	7	4	2	10	18	31	29	51	97	67	60	45	21	
4	69	63	54	52	53	57	52	50	51	54	55	49	39	36	55	50	43	49	45	67	71	46	42	66	53	
5	69	52	66	64	62	60	56	52	54	55	52	53	39	36	48	52	42	59	62	35	53	47	42	58	53	
6	29	33	45	32	23	21	31	32	30	37	41	42	26	31	34	46	53	69	69	83	60	44	29	35	41	
7	28	26	20	31	26	38	46	42	49	46	48	51	62	56	46	34	34	24	11	10	9	6	7	9	32	
8	10	9	7	3	2	3	3	6	33	4	4	6	40	34	20	5	5	6	4	3	3	3	3	3	9	
9	3	4	3	3	4	4	6	17	28	29	12	11	11	9	8	8	11	11	13	14	8	5	7	4	10	
10	3	2	3	3	3	4	6	6	16	10	3	3	3	4	17	9	4	6	7	4	4	6	6	6	6	
11	5	6	4	3	2	3	4	6	8	7	9	8	6	6	5	12	10	12	15	20	29	14	12	17	9	
12	33	16	6	5	4	16	6	8	11	11	11	11	8	11	11	14	32	45	46	35	16	15	14	9	16	
13	10	5	3	4	5	5	6	8	10	9	M	9	6	6	5	7	7	6	6	6	5	4	5	6	6	
14	8	6	4	3	3	2	7	42	35	36	39	37	36	29	32	23	24	16	9	11	37	36	35	27	22	
15	28	26	26	26	21	32	24	11	7	7	4	5	4	6	6	11	11	15	23	22	9	3	16	32	16	
16	9	11	6	18	14	7	4	5	7	17	32	42	24	17	21	24	18	20	15	9	10	7	6	7	15	
17	6	M	6	5	5	5	9	20	19	12	18	26	14	5	4	5	8	9	16	14	7	6	4	3	10	
18	3	3	2	3	4	2	4	6	16	21	11	7	7	8	10	14	19	34	15	8	5	5	39	34	12	
19	19	5	6	6	3	2	5	17	33	31	30	40	33	18	13	17	21	19	11	10	4	6	4	5	15	
20	4	5	2	1	1	3	7	10	24	38	20	24	27	26	17	25	27	17	31	22	12	18	19	15	16	
21	19	20	26	24	13	18	25	25	21	25	34	29	25	17	21	21	26	23	34	18	18	16	14	21	22	
22	20	29	24	22	19	24	34	41	43	49	39	28	16	14	23	40	15	11	11	15	13	17	25	12	24	
23	9	7	5	4	4	6	8	12	10	11	9	7	6	4	5	6	6	7	8	8	7	7	9	7	7	
24	5	7	6	6	8	6	8	7	6	8	7	9	6	4	4	4	5	4	6	5	4	5	3	6	6	
25	5	4	3	4	5	6	7	12	12	11	9	9	8	5	6	6	6	8	6	7	10	9	5	7	7	
26	3	2	3	3	3	5	7	10	14	12	11	8	7	8	8	11	9	10	11	6	6	7	6	6	7	
27	5	3	3	2	3	4	7	11	21	13	9	8	7	3	5	11	9	5	10	9	6	7	10	6	7	
28	5	5	4	4	4	5	7	10	10	12	10	8	8	6	6	6	7	7	6	7	6	7	5	7	7	
29	4	3	4	5	3	4	6	16	23	15	12	10	8	8	11	11	16	16	10	12	9	5	5	8	9	
30	7	5	6	6	8	5	7	15	25	35	24	24	7	6	21	9	15	16	28	29	30	59	43	41	20	

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
11	9	16	9	42	52	62	67	1	-	97	3	-	53	3	100	0	

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

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

STATION : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

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

MONTHLY STATISTICS:

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

MONTH: SEPTEMBER

YEAR : 2023

POLLUTANT : NITROGEN DIOXIDE

UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	8	4	2	2	1	1	2	2	1	1	1	2	1	1	1	2	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	0	27	93	81	79	73	15	
4	72	65	41	33	49	57	48	42	48	58	66	66	88	110	93	52	59	52	53	62	107	89	43	73	64	
5	47	M	46	62	58	62	56	42	41	33	37	46	46	53	40	51	84	45	33	26	66	78	57	69	51	
6	22	35	53	30	12	22	36	15	19	37	44	56	35	45	57	63	60	45	54	108	77	34	14	33	42	
7	25	20	22	32	26	46	56	55	22	18	21	21	17	7	4	M	13	3	1	2	2	1	2	4	18	
8	0	0	2	0	0	0	0	1	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	1	0	M	M	M	2	2	2	3	6	3	0	0	0	0	1	
10	0	0	0	0	0	0	0	1	5	1	0	0	0	0	6	7	0	0	1	1	1	2	0	1	1	
11	0	2	0	0	0	0	0	1	0	0	3	1	3	0	0	2	0	0	1	0	0	0	4	5	1	
12	3	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	4	7	15	5	1	2	4	0	2	
13	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	1	2	0	0	2	8	1	0	5	21	21	9	3	0	0	0	0	0	0	3	6	9	4	
15	12	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	5	7	4	5	5	0	7	2	
16	0	0	0	0	0	0	0	0	0	3	2	0	0	0	4	13	2	1	0	0	1	0	0	0	1	
17	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	1	0	0	
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	1	0	
19	0	M	2	1	0	0	3	26	22	18	19	4	8	0	2	0	1	2	12	7	4	4	0	0	6	
20	2	2	0	0	0	0	0	10	10	10	3	16	5	2	23	30	17	16	24	13	15	16	4	12	10	
21	17	10	20	18	5	12	19	19	15	22	32	24	20	21	26	33	37	19	18	13	12	23	41	19	21	
22	37	30	18	32	28	22	21	40	41	26	19	17	5	6	16	3	2	2	9	9	1	2	7	4	17	
23	1	2	1	0	0	2	2	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	5	1	
24	6	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	1	2	1	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	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	
28	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	
29	0	0	0	0	0	0	1	2	0	0	2	0	0	0	0	0	4	1	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	3	5	7	0	0	1	0	4	6	9	5	12	8	6	14	23	35	5	6	

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL	
8	0	9	0	34	53	71	84	0	-	110	0	-	64	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: SEPTEMBER

STATION : CHEUNG CHAU
POLLUTANT : SULPHUR DIOXIDE

YEAR : 2023
UNIT : MICROGRAMS/CUBIC METER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
4	0	0	1	0	0	1	1	2	2	2	1	1	M	2	1	0	0	0	0	0	0	0	0	0	M	1
5	2	0	0	0	0	0	0	0	7	4	4	2	2	1	1	1	0	1	0	0	0	0	1	1	M	1
6	1	1	0	0	0	0	0	1	3	2	1	1	0	0	0	0	0	0	0	0	0	0	20	2	1	1
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	M	0
8	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
9	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
10	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
11	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0
14	1	0	0	0	0	0	0	0	0	0	8	9	9	9	9	9	8	8	8	8	8	8	8	8	M	5
15	11	11	10	10	9	9	9	9	9	8	8	8	8	8	8	8	8	9	9	9	8	8	8	8	M	9
16	10	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	M	8
17	10	9	9	9	9	9	9	8	8	8	8	8	8	7	8	7	8	8	8	8	8	8	8	8	M	8
18	10	9	9	8	9	9	9	9	9	8	8	8	8	8	7	7	7	8	8	8	8	8	8	8	M	8
19	10	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	M	8
20	10	9	9	9	9	9	9	9	9	8	8	8	8	8	8	9	8	8	8	8	8	8	8	9	M	9
21	10	10	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	M	9
22	10	9	9	9	8	8	8	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	M	8
23	10	9	9	9	8	8	9	8	8	8	8	8	8	8	7	7	7	8	7	8	8	8	9	9	M	8
24	10	9	9	9	9	9	9	9	8	8	8	9	8	8	8	7	7	8	8	8	8	8	9	9	9	8
25	8	9	9	8	8	8	9	9	9	10	10	10	8	9	8	7	8	8	8	8	8	8	9	8	M	9
26	10	9	9	8	9	9	9	9	9	10	9	8	8	8	7	7	7	8	8	8	8	8	8	8	M	8
27	10	9	9	9	9	9	8	9	8	9	9	9	8	8	8	8	9	8	8	8	8	9	9	9	M	9
28	10	9	9	9	9	8	8	8	9	10	9	9	8	8	8	8	8	8	8	8	8	8	9	9	M	9
29	10	9	9	9	9	8	9	8	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	M	8
30	10	9	9	9	9	9	9	10	10	10	9	9	8	9	9	8	8	8	8	8	8	8	9	9	M	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	
7	8	5	8	9	9	10	10	0	-	20	0	-	9	2	96	0	

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

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

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

MONTH: SEPTEMBER

YEAR : 2023
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	48	39	31	30	30	37	38	37	35	37	29	30	27	25	21	14	14	13	12	10	10	11	6	5	25
2	1	1	0	0	0	0	0	0	0	0	1	1	2	1	1	1	0	2	2	2	3	2	2	6	1
3	4	3	3	5	4	10	6	4	3	2	1	4	23	4	9	6	3	16	69	43	80	57	28	39	18
4	35	43	46	47	41	47	49	44	49	56	64	72	M	26	34	23	55	85	133	75	48	57	62	67	55
5	57	32	27	31	39	41	36	30	47	52	52	29	32	23	31	61	58	50	81	58	33	35	60	15	42
6	23	23	16	6	15	21	33	45	45	36	25	20	20	21	34	32	38	43	56	45	34	15	22	20	29
7	16	20	22	18	20	32	33	35	45	32	44	53	55	20	23	34	17	18	19	20	29	6	0	8	26
8	7	11	12	9	5	9	6	2	3	8	8	7	27	36	36	15	6	8	4	2	1	2	4	5	10
9	4	2	4	5	6	6	3	6	5	10	4	5	8	10	6	9	8	9	17	16	18	15	8	6	8
10	3	3	2	2	2	8	2	2	9	6	3	2	1	5	7	5	3	6	6	18	29	25	14	19	8
11	8	7	5	1	5	5	4	8	5	5	6	5	12	28	5	5	4	0	3	9	7	10	18	15	8
12	4	5	10	9	19	10	6	8	6	5	2	1	1	2	0	6	15	13	23	10	7	5	12	8	8
13	9	7	11	11	10	10	10	5	4	7	4	4	5	3	2	1	5	3	4	3	9	6	3	5	6
14	6	5	10	5	7	5	27	33	35	20	20	22	22	23	23	23	17	4	4	4	5	8	14	35	16
15	39	39	37	33	30	32	21	17	12	4	1	0	1	2	4	4	4	28	45	46	15	23	32	39	21
16	18	2	5	12	10	17	4	13	10	15	17	28	32	6	1	2	7	6	9	3	11	6	4	7	10
17	7	8	7	9	23	33	24	13	15	12	2	1	0	1	0	0	1	2	3	9	7	12	10	27	9
18	27	17	24	13	11	5	16	15	13	10	2	1	1	4	3	4	10	27	31	29	18	12	17	4	13
19	3	4	8	11	17	26	28	25	21	12	3	0	4	9	5	6	10	29	35	35	22	18	16	28	16
20	23	16	19	18	21	25	29	24	12	8	4	1	1	1	2	4	1	1	4	2	2	3	8	18	10
21	15	16	11	8	10	24	24	22	24	20	8	5	8	15	22	15	16	7	9	7	3	6	3	20	13
22	21	14	10	10	10	10	16	30	29	14	15	20	15	8	6	9	9	36	13	11	8	7	6	4	14
23	4	3	4	2	39	13	12	9	13	9	5	3	1	1	1	0	2	1	3	4	4	4	9	8	6
24	8	11	10	5	2	4	16	9	7	3	5	5	4	2	6	0	1	1	2	2	3	2	3	2	5
25	4	5	3	3	4	6	9	9	6	7	7	5	3	2	1	0	0	0	1	1	1	3	2	7	4
26	1	1	1	2	6	8	12	10	7	11	8	6	7	7	1	1	0	2	0	2	4	16	2	8	5
27	7	M	5	5	8	7	5	11	1	6	9	5	1	0	0	3	9	9	8	7	9	11	9	7	6
28	7	4	3	2	5	6	4	5	6	14	13	7	5	1	0	0	0	1	4	7	4	6	9	9	5
29	5	3	5	4	3	5	14	19	34	28	26	13	1	1	1	2	5	5	6	9	4	7	9	8	9
30	4	6	13	15	20	29	35	31	20	15	11	2	2	1	2	0	3	1	3	1	1	3	13	15	10

MONTHLY STATISTICS:

GEOM		ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
8	8	14	8	35	45	57	66	66	0	-	133	1	-	55	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 : July - September 2023

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
01/07/23	6*	10	4	7	8.6	8.4	8.5
08/07/23	4*	13	4	6	8.7	8.6	8.7
15/07/23	4*	9	6	8	8.8	8.6	8.7
22/07/23	5*	10	5	7	8.8	8.7	8.7
29/07/23	5*	17	5	10	8.9	8.7	8.8
05/08/23	3*	10	5	8	8.9	8.7	8.8
12/08/23	1*	9	9	9	8.8	8.8	8.8
19/08/23	5*	14	6	11	8.9	8.7	8.8
26/08/23	3*	7	6	6	9.0	8.7	8.8
02/09/23	2*	8	7	8	8.9	8.8	8.9
09/09/23	4*	10	4	6	8.9	8.8	8.8
16/09/23	5*	15	6	9	8.8	8.8	8.8
23/09/23	5*	19	9	14	8.9	8.8	8.9
30/09/23	4*	18	4	10	8.9	8.7	8.8

Remark :

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

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

Period : July – September 2023

Sampling date		5/7/2023	9/8/2023	6/9/2023
Barium,	ug/L	<150	<150	<150
Mercury,	ug/L	<0.5	<0.5	<0.5
Cadmium,	ug/L	<1.0	<1.0	<1.0
Iron,	ug/L	<400	<400	<400
Total Phosphorous,	mg/L	<0.8	<0.8	0.8
Total Nitrogen,	mg/L	61	54	29
Cyanide,	mg/L	0.01	<0.01	<0.01

Remark:

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

Appendix D Summary of EMIS

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