

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



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

Operational Phase

Quarterly Environmental Monitoring & Audit Report

April – June 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
(April to June 2023)

Date

27 September 2023

Certified by

(Mr. CHAN Hon Yeung, Environmental Team
Leader)

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EXECUTIVE SUMMARY

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

Unit	Period	Remarks
L4	27/05/2023 05:00 to 27/05/2023 17:10	Defect rectification
L5	07/04/2023 05:01 to 08/04/2023 14:34	Defect rectification
L5	25/06/2023 05:01 to 25/06/2023 17:12	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

Description	Permit / Licence No.	Valid Period		Issued To	Date of Issuance
		From	To		
Environmental Permit for Unit L2 FGD plant retrofit project	EP-287/2007	02/10/2007	-	HK Electric	02/10/2007
Specified Process Licence issued under APCO	L-7-002(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 April to June 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 L4 and L5 were out of service during the following period:

Unit	Period	Remarks
L4	27/05/2023 05:00 to 27/05/2023 17:10	Defect rectification
L5	07/04/2023 05:01 to 08/04/2023 14:34	Defect rectification
L5	25/06/2023 05:01 to 25/06/2023 17:12	Defect rectification

Unit L2 retired in October 2022.

1.4 Malfunction/Outage Records of Pollution Control Equipment

Equipment	Period	Cause	Actions Taken
L4 FGD	14:58 on 19/05/2022 to 15:36 on 19/05/2022	FGD plant bypassed due to malfunctioning of BUF hydraulic cylinder sealing fan	EPD (Air Management) was informed on 22/05/2023
L4 FGD	19:14 on 19/05/2022 to 19:53 on 19/05/2022	FGD plant was bypassed for shut down but it was put back into service after the order had been cancelled	EPD (Air Management) was informed on 22/05/2023
L4 FGD	14:00 on 01/06/2022 to 20:40 on 02/06/2022	FGD plant bypassed due to GGH failure	EPD (Air Management) was informed on 05/06/2023

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.

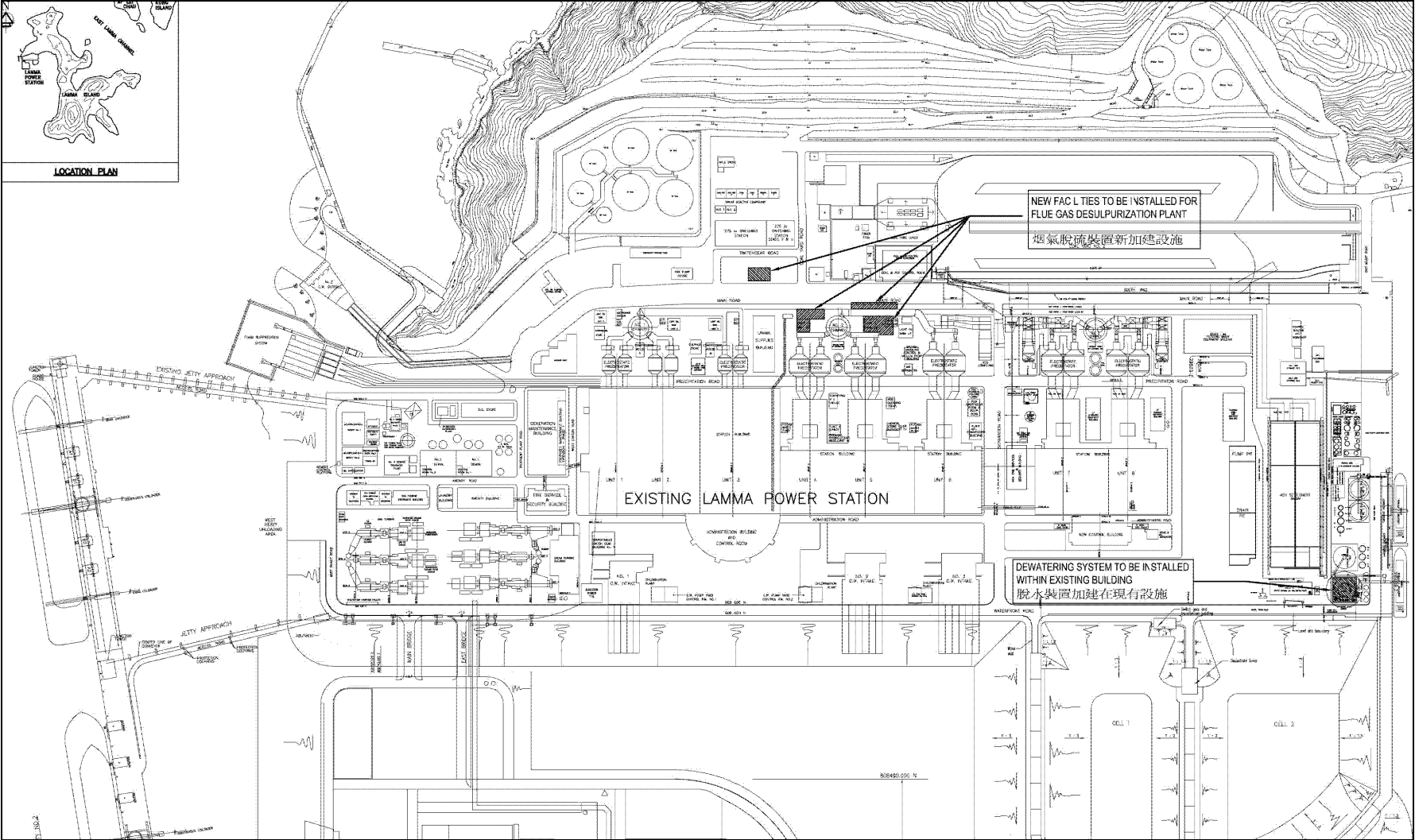


Figure 1.1a Location of New Facilities for L4 & L5 FGD Plants

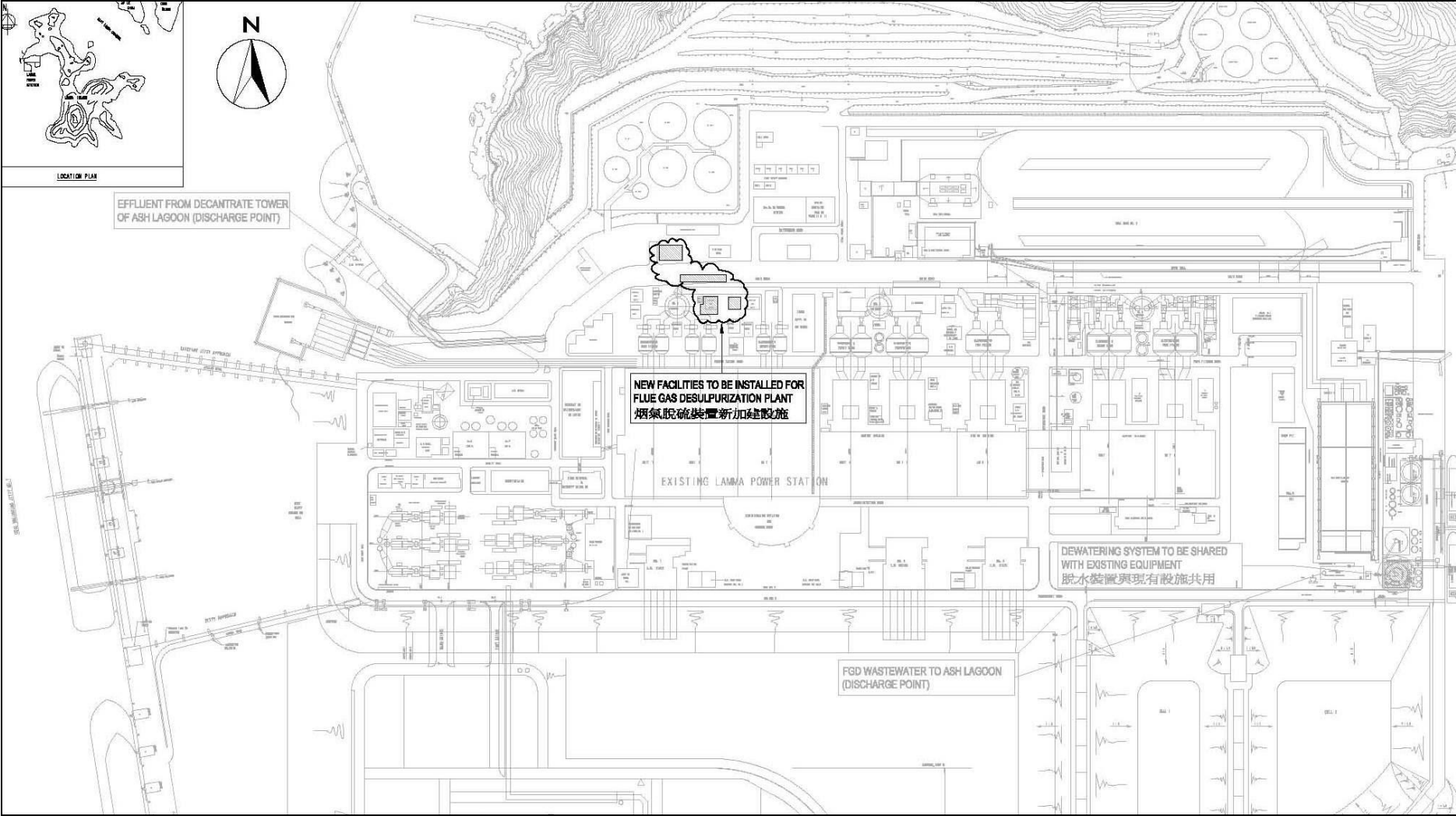


Figure 1.1b Location of New Facilities for L2 FGD Plant

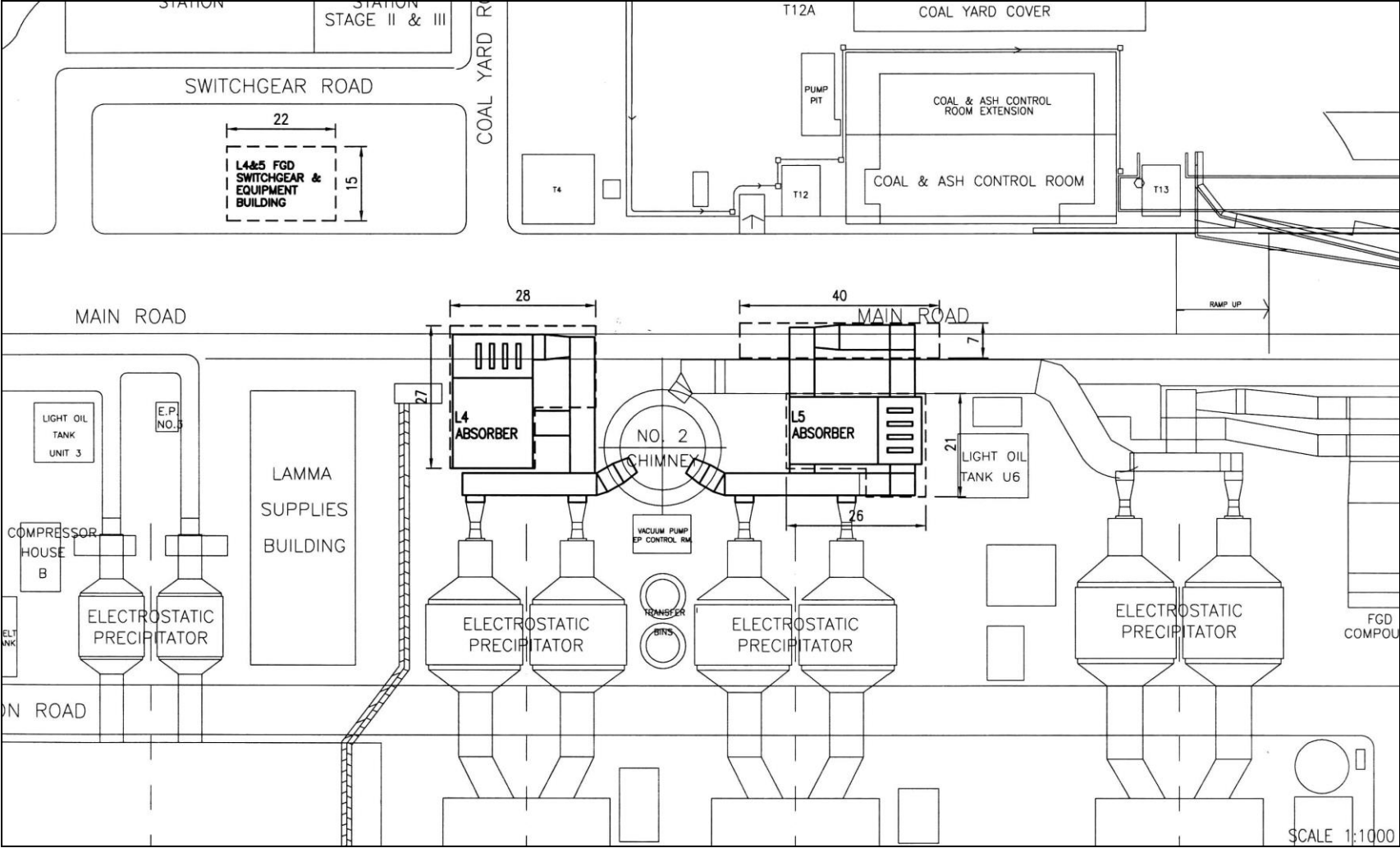


Figure 1.2a General Arrangement of L4 & L5 FGD Plants

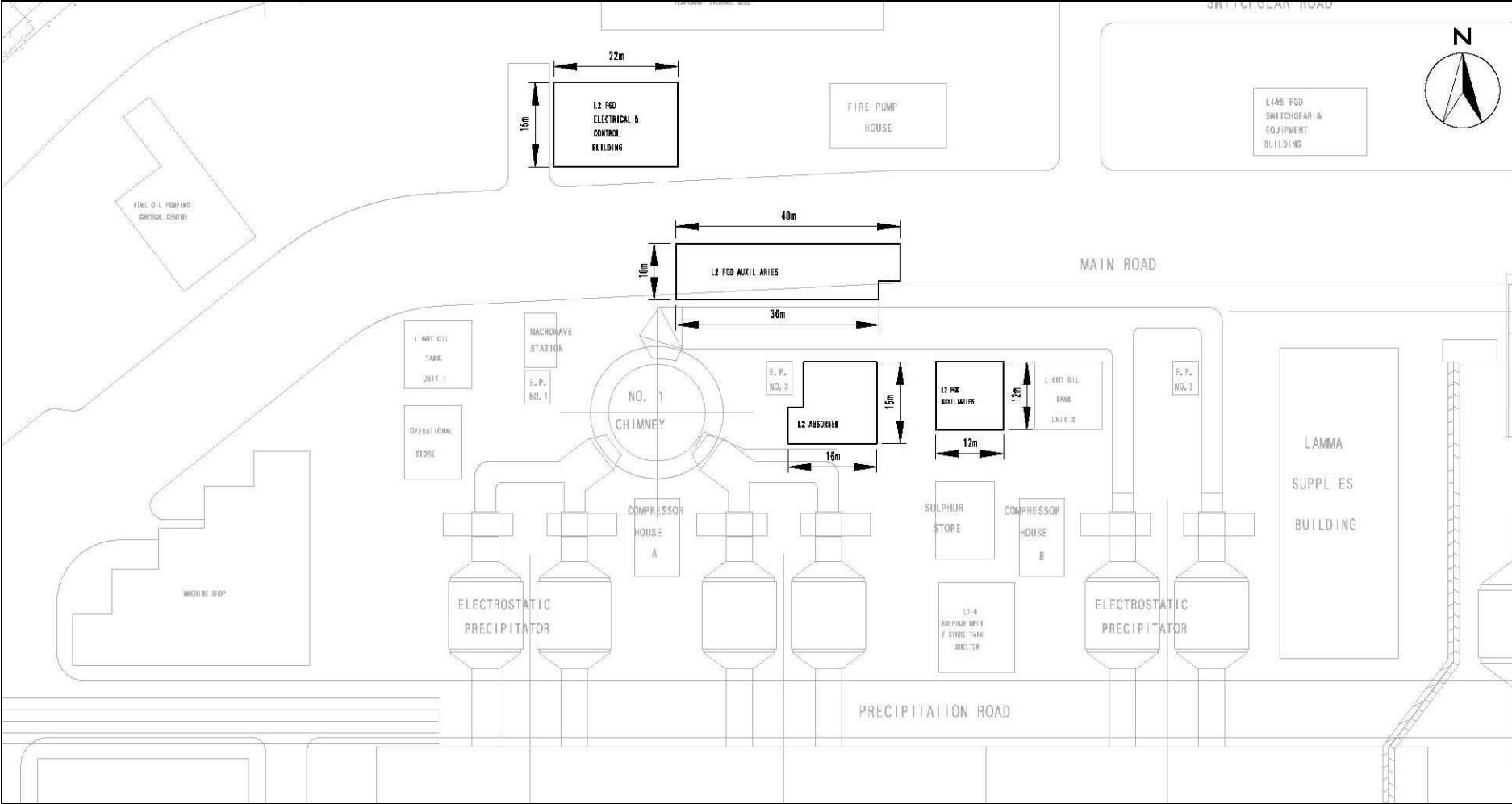


Figure 1.2b General Arrangement of L2 FGD Plant

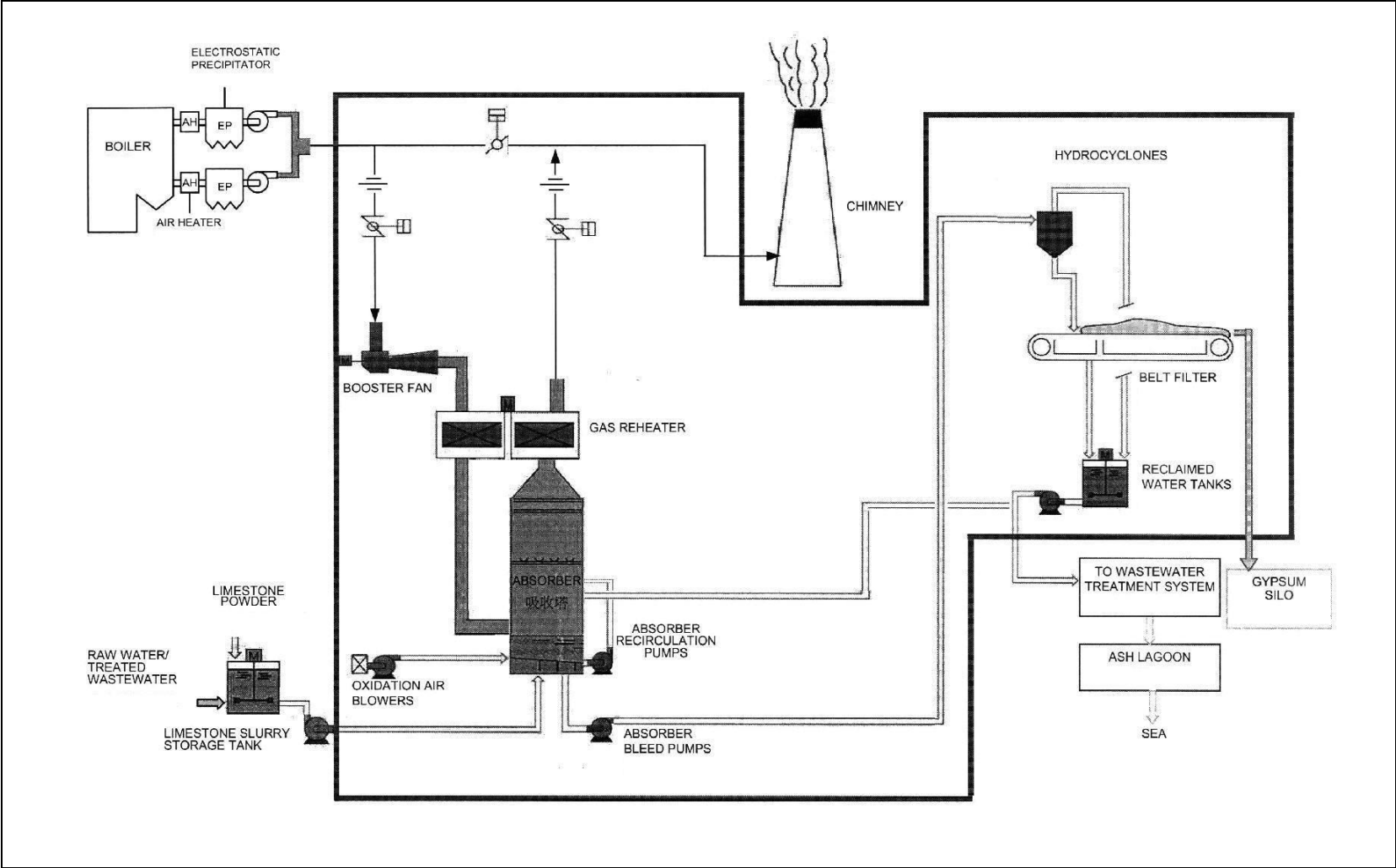


Figure 1.3 Schematic Diagram of the L2, L4 & L5 FGD Plant

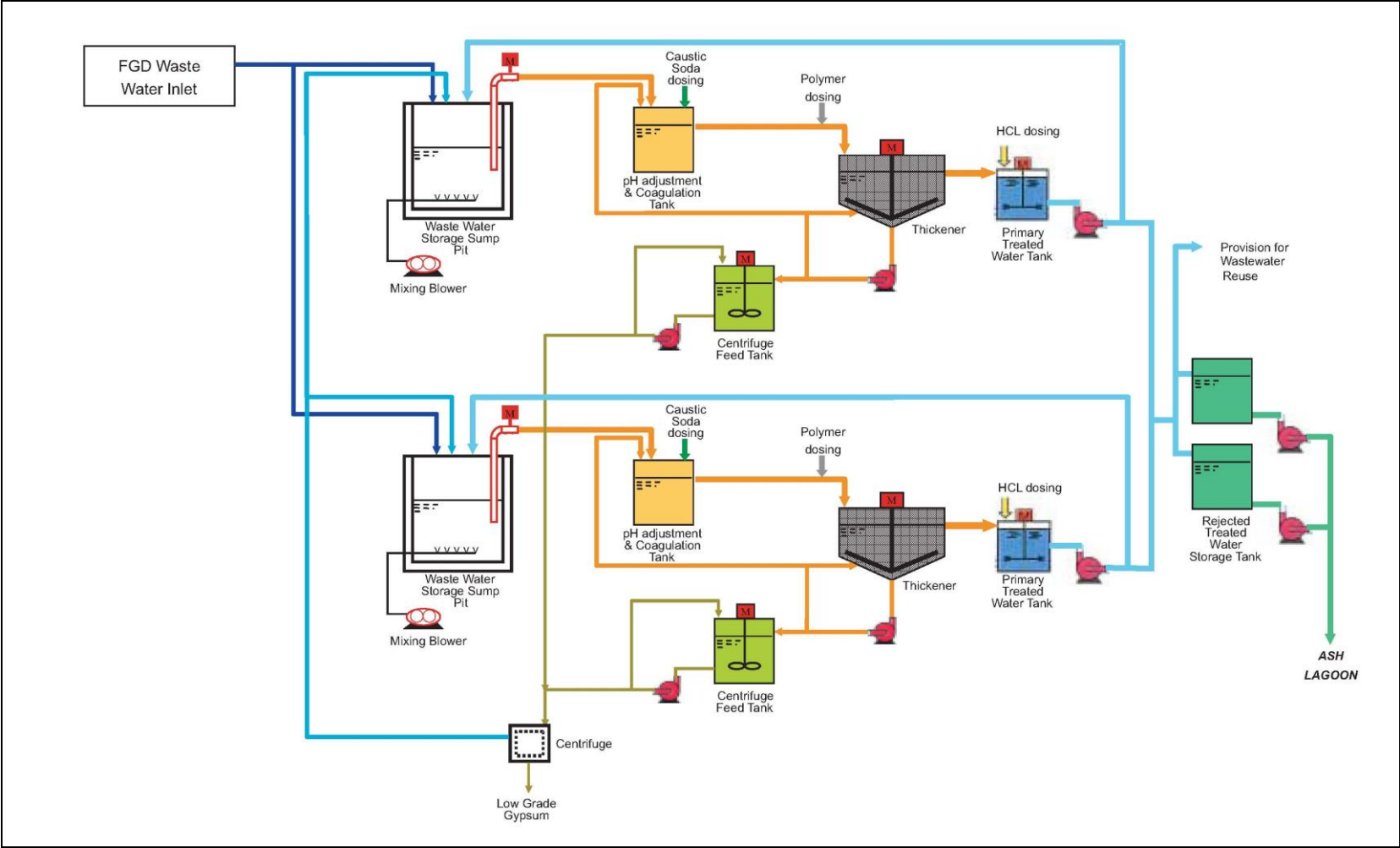


Figure 1.4 Simplified Schematic Diagram of FGD Wastewater Treatment Plant

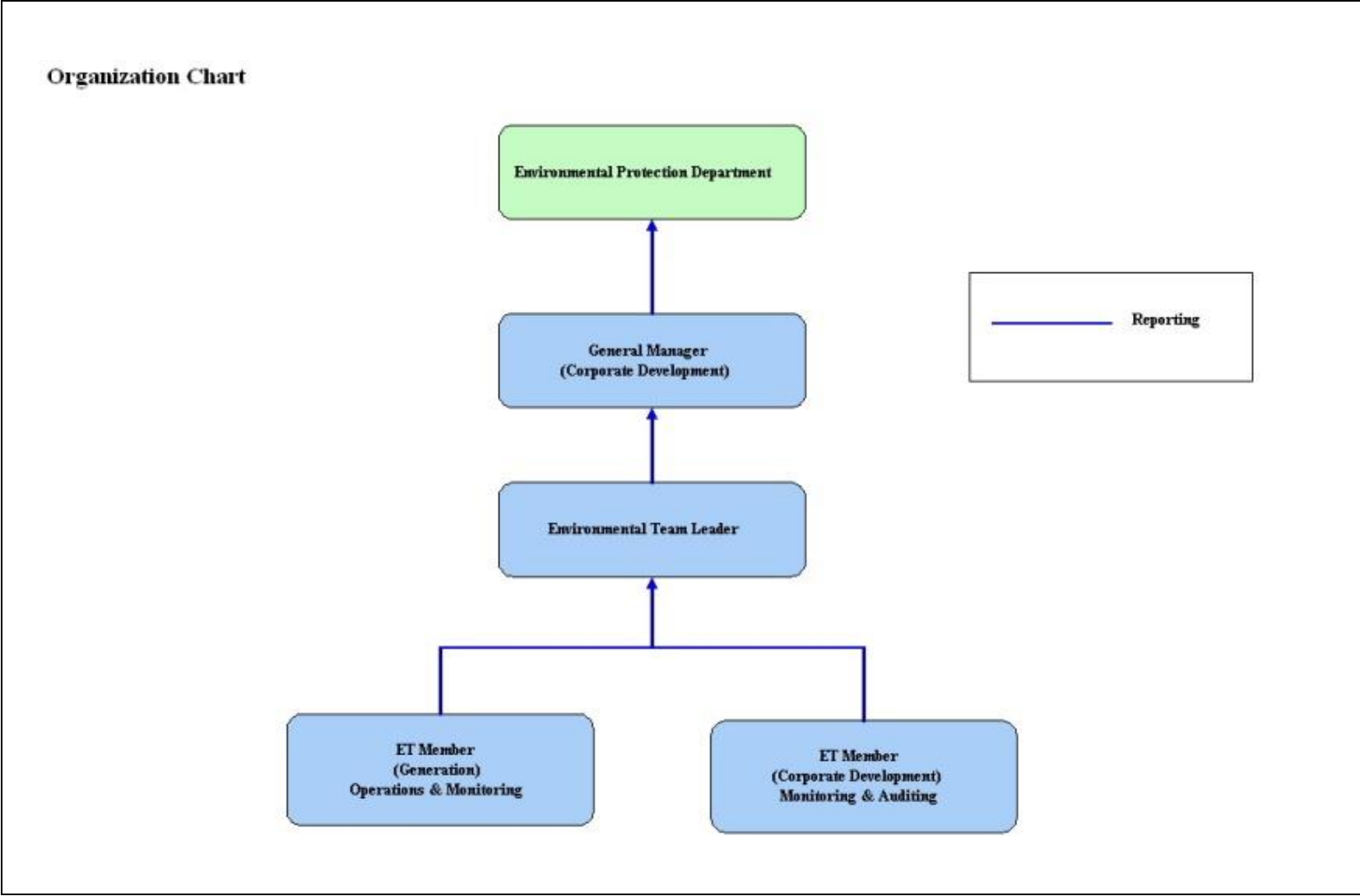


Figure 1.5 Organization Structure at Operational Phase of the Projects

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.	01/04/23-30/06/23	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	01/04/23-30/06/23	0	0	
3	Ambient SO2 & NOx monitoring at the Peak, Queen Mary Hospital, Victoria Road, Chung Hom Kok, Ap Lei Chau and Cheung Chau.	01/04/23-30/06/23	0	0	
Water					
1	pH in WWTP Effluent	01/04/23-30/06/23	0	0	
2	Suspended Solids in WWTP Effluent	01/04/23-30/06/23	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	01/04/23-30/06/23	0	0	
4	Barium in WWTP Effluent	01/04/23-30/06/23	0	0	
5	Mercury in WWTP Effluent	01/04/23-30/06/23	0	0	
6	Cadmium in WWTP Effluent	01/04/23-30/06/23	0	0	
7	Cyanide in WWTP Effluent	01/04/23-30/06/23	0	0	
8	Total Phosphorus in WWTP Effluent	01/04/23-30/06/23	0	0	
9	Total Nitrogen in WWTP Effluent	01/04/23-30/06/23	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
April 2023	3,930.80 MT	0 MT
May 2023	2,859.12 MT	0 MT
June 2023	3,625.00 MT	104.00 MT

4.3 Status of Environmental Licensing and Permitting

All permits/licenses obtained as of June 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 April to June 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/Nm ³	-	50	ET Leader informs Generation Division at action level. Maintenance initiated. Temporary load shift until pollution control equipment repaired and reinstated. Report to EPD.
	Particulate (Opacity)	continuous	40% (bihourly)	35	40	
	SO ₂	continuous	200 mg/Nm ³ (1h)	190	200	
	NO _x expressed as NO ₂ (For L4 and L5 only)	continuous	615 mg/Nm ³ (1h)	585	615	
Chimney emissions	Ambient air SO ₂	Continuous at existing ambient air monitoring stations	800 (µg/m ³) (1h)	-	800	ET to review data on post-hoc basis and check for possible power station contribution.
	NO ₂		300 (µg/m ³) (1h)	-	300	

A.2 Water

Source of Discharges	Parameters to be Monitored	Frequency	Concentration Not to Be Exceeded	Action	Limit	Proposed Action
FGD Wastewater Treatment Plant	pH	Daily	6-9	-	6-9	If pH exceeds limit level, consideration to be given to adjust chemical dosing. ET Leader inform Generation Division and investigation be initiated to identify and remedy cause. For all other parameters except pH, Generation Division to be informed, frequency of monitoring to be increased, and investigations to be initiated to identify cause and remedy if concentration exceeds action level. If problem persists to exceed the limit level, ET Leader verbally informs EPD and ensures remedial actions implemented.
	Suspended Solids	Daily	30 mg/L	25	30	
	Iron	Monthly	4 mg/L	3.6	4	
	Barium	Monthly	1.5 mg/L	1.3	1.5	
	Mercury	Monthly	0.005 mg/L	0.0045	0.005	
	Cadmium	Monthly	0.005 mg/L	0.0045	0.005	
	Cyanide	Monthly	0.1 mg/L	0.09	0.1	
	Total Phosphorus	Monthly	8 mg/L	7.2	8	
	Total Nitrogen	Monthly	400 mg/L	360	400	

Appendix B

Air Quality Monitoring Results

B.1 Ambient Respirable Suspended Particulate Monitoring at Lamma Power Station

Date: Second Quarter of 2023 (April – June)

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/04/2023	14	18
02/04/2023	16	19
03/04/2023	20	26
04/04/2023	20	38
05/04/2023	15	24
06/04/2023	15	20
07/04/2023	14	21
08/04/2023	28	43
09/04/2023	31	51
10/04/2023	21	30
11/04/2023	20	26
12/04/2023	23	37
13/04/2023	32	37
14/04/2023	50	69
15/04/2023	59	79
16/04/2023	30	44
17/04/2023	26	35
18/04/2023	17	30
19/04/2023	##	36
20/04/2023	12	35
21/04/2023	16	54
22/04/2023	26	##
23/04/2023	32	##
24/04/2023	27	##
25/04/2023	24	29
26/04/2023	16	22
27/04/2023	22	30
28/04/2023	19	27
29/04/2023	20	31
30/04/2023	21	32

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

Date	RSP concentration ($\mu\text{g}/\text{m}^3$)	
	Reservoir	East Gate
01/05/2023	21	31
02/05/2023	26	36
03/05/2023	18	24
04/05/2023	15	27
05/05/2023	15	27
06/05/2023	17	21
07/05/2023	15	##
08/05/2023	14	##
09/05/2023	15	54
10/05/2023	24	41
11/05/2023	22	32
12/05/2023	25	35
13/05/2023	15	26
14/05/2023	15	22
15/05/2023	22	29
16/05/2023	15	17
17/05/2023	16	26
18/05/2023	32	52
19/05/2023	26	36
20/05/2023	25	23
21/05/2023	17	17
22/05/2023	19	23
23/05/2023	22	37
24/05/2023	37	59
25/05/2023	32	46
26/05/2023	18	26
27/05/2023	18	28
28/05/2023	16	24
29/05/2023	22	35
30/05/2023	34	33
31/05/2023	35	38

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

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

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 (%)
1/4/2023	*	*	*
2/4/2023	*	*	*
3/4/2023	*	*	*
4/4/2023	14	292	12
5/4/2023	16	244	10
6/4/2023	24	237	11
7/4/2023	*	*	*
8/4/2023	*	*	*
9/4/2023	*	*	*
10/4/2023	*	*	*
11/4/2023	25	192	11
12/4/2023	41	207	10
13/4/2023	*	*	*
14/4/2023	93	215	10
15/4/2023	64	208	10
16/4/2023	69	269	10
17/4/2023	39	230	10
18/4/2023	39	227	10
19/4/2023	56	265	10
20/4/2023	*	*	*
21/4/2023	*	*	*
22/4/2023	*	*	*
23/4/2023	28	343	11
24/4/2023	29	302	10
25/4/2023	24	284	10
26/4/2023	*	*	*
27/4/2023	*	*	*
28/4/2023	*	*	*
29/4/2023	24	225	11
30/4/2023	*	*	*

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/5/2023	26	302	10
2/5/2023	19	278	10
3/5/2023	11	274	10
4/5/2023	8	272	10
5/5/2023	19	280	10
6/5/2023	*	*	*
7/5/2023	*	*	*
8/5/2023	6	269	10
9/5/2023	26	311	10
10/5/2023	18	206	10
11/5/2023	13	274	10
12/5/2023	18	286	10
13/5/2023	*	*	*
14/5/2023	19	240	10
15/5/2023	41	261	10
16/5/2023	45	257	11
17/5/2023	35	228	11
18/5/2023	26	196	12
19/5/2023	41	247	11
20/5/2023	37	205	11
21/5/2023	38	271	11
22/5/2023	28	228	11
23/5/2023	55	239	13
24/5/2023	40	252	12
25/5/2023	29	239	10
26/5/2023	32	254	10
27/5/2023	34	311	10
28/5/2023	*	*	*
29/5/2023	33	237	11
30/5/2023	31	205	10
31/5/2023	22	236	12

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/6/2023	22	322	12
2/6/2023	33	194	12
3/6/2023	24	196	11
4/6/2023	7	162	10
5/6/2023	17	186	10
6/6/2023	19	248	10
7/6/2023	15	188	10
8/6/2023	16	205	11
9/6/2023	15	208	11
10/6/2023	15	269	10
11/6/2023	20	262	10
12/6/2023	26	373	11
13/6/2023	23	310	11
14/6/2023	20	246	11
15/6/2023	7	264	10
16/6/2023	18	261	11
17/6/2023	14	261	11
18/6/2023	*	*	*
19/6/2023	15	210	11
20/6/2023	22	229	12
21/6/2023	17	232	12
22/6/2023	*	*	*
23/6/2023	36	205	11
24/6/2023	*	*	*
25/6/2023	*	*	*
26/6/2023	42	237	11
27/6/2023	68	248	10
28/6/2023	47	252	11
29/6/2023	51	266	12
30/6/2023	46	221	10

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

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/5/2023	*	*	*
2/5/2023	*	*	*
3/5/2023	*	*	*
4/5/2023	*	*	*
5/5/2023	*	*	*
6/5/2023	*	*	*
7/5/2023	*	*	*
8/5/2023	*	*	*
9/5/2023	*	*	*
10/5/2023	*	*	*
11/5/2023	*	*	*
12/5/2023	*	*	*
13/5/2023	*	*	*
14/5/2023	*	*	*
15/5/2023	*	*	*
16/5/2023	*	*	*
17/5/2023	*	*	*
18/5/2023	*	*	*
19/5/2023	74	355	8
20/5/2023	47	325	7
21/5/2023	*	*	*
22/5/2023	40	287	7
23/5/2023	42	291	6
24/5/2023	*	*	*
25/5/2023	*	*	*
26/5/2023	*	*	*
27/5/2023	*	*	*
28/5/2023	*	*	*
29/5/2023	50	334	7
30/5/2023	39	423	18
31/5/2023	43	469	15

Date	Daily Maximum		
	SO2 concentration (mg/Nm3) [#]	NOx concentration (mg/Nm3) [#]	Opacity (%)
1/6/2023	41	377	14
2/6/2023	31	358	18
3/6/2023	47	366	12
4/6/2023	*	*	*
5/6/2023	*	*	*
6/6/2023	*	*	*
7/6/2023	*	*	*
8/6/2023	*	*	*
9/6/2023	*	*	*
10/6/2023	*	*	*
11/6/2023	*	*	*
12/6/2023	*	*	*
13/6/2023	19	262	13
14/6/2023	33	325	12
15/6/2023	*	*	*
16/6/2023	5	318	12
17/6/2023	*	*	*
18/6/2023	*	*	*
19/6/2023	*	*	*
20/6/2023	30	354	12
21/6/2023	85	220	13
22/6/2023	74	306	13
23/6/2023	12	265	13
24/6/2023	11	259	12
25/6/2023	23	258	12
26/6/2023	35	351	12
27/6/2023	48	399	13
28/6/2023	53	397	13
29/6/2023	71	345	12
30/6/2023	78	361	12

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

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

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

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
MONTH: APRIL

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

MONTHLY STATISTICS:

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

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

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

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	0	0	0	0	0	0	0	1	5	7	9	18	19	4	15	20	20	17	6	0	3	2	0	0	6
2	0	0	0	0	0	0	0	1	1	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	2	4	2	8	3	15	5	2	3	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	3	0	1	0	2	4	1	1	0	3	1	0	1	1	0	0	1
5	0	2	1	5	1	6	6	10	3	8	18	3	0	0	0	0	0	0	0	0	2	0	0	3	3
6	0	0	0	0	0	1	0	1	1	0	1	2	3	4	3	1	3	1	6	21	3	25	21	30	5
7	31	26	12	4	5	3	1	4	14	17	14	21	24	23	26	17	17	14	22	21	5	5	1	0	14
8	1	0	0	0	0	0	1	0	2	2	5	0	0	0	1	2	9	11	5	3	2	1	1	0	2
9	2	0	0	0	0	0	1	1	8	10	10	5	13	7	6	11	17	3	3	5	7	1	0	0	5
10	0	0	0	0	0	0	0	1	0	2	1	0	0	3	12	11	13	0	0	1	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	3	1	0	0	0	0	0	13	7	1
12	1	0	0	0	0	0	0	0	28	39	38	10	7	6	11	4	5	1	0	0	0	0	0	1	6
13	0	0	0	0	0	0	0	1	2	0	3	5	8	8	13	15	19	16	19	20	15	6	5	5	7
14	0	6	1	0	0	0	0	1	2	1	4	0	0	1	2	4	24	37	40	28	12	7	2	1	7
15	8	15	7	2	1	1	1	15	25	34	39	29	32	31	54	58	44	53	38	29	20	28	24	10	25
16	13	7	8	9	13	6	0	0	15	46	50	36	10	1	8	9	8	4	1	0	0	0	0	0	10
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	1	1	0	0	2	0	1	1	2	5	6	0	1	1	0	1	0	1
19	1	0	0	0	0	0	0	1	1	0	7	1	6	17	8	2	3	12	4	4	1	0	0	12	3
20	3	0	0	0	1	0	7	0	1	5	6	8	32	25	18	24	21	14	7	3	0	0	0	0	7
21	0	0	0	0	2	0	0	0	6	4	3	2	1	2	0	5	0	0	0	0	3	0	0	0	1
22	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
23	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	2	6	10	6	8	6	3	19	24	29	25	4	1	11	12	0	3	7
25	2	1	2	9	1	0	0	7	12	21	30	36	26	32	39	41	39	41	38	33	30	26	24	22	
26	22	M	9	2	2	1	8	15	21	25	23	25	32	31	37	26	18	7	7	3	5	0	0	14	
27	2	1	0	0	0	0	0	2	9	7	5	5	1	3	4	3	3	2	1	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	9	4	1	3	0	0	0	1	1	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	17	27	19	10	9	26	18	27	36	30	40	33	22	38	13	15
30	17	14	18	18	10	12	20	25	8	9	18	19	22	19	37	28	23	3	1	1	0	0	0	0	13

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
6	1	6	1	22	30	38	41	0	-	58	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: APRIL

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
2	2	2	2	4	5	7	8	0	-	11	0	-	6	2	100	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: APRIL

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	3	3	3	4	4	4	5	6	6	5	4	3	4	3	4	5	6	7	9	7	7	6	5	5
2	4	4	3	3	4	4	3	4	6	4	3	6	5	6	5	7	7	5	4	3	3	5	3	2	4
3	3	4	3	2	2	3	3	4	5	5	6	5	4	5	4	4	5	5	5	4	5	4	3	3	4
4	5	3	3	5	5	7	7	20	13	6	8	7	8	7	8	9	8	10	17	11	9	10	13	10	9
5	8	8	11	10	9	11	8	12	7	16	10	6	5	5	11	5	14	8	8	11	17	18	25	6	10
6	17	12	8	5	14	9	12	21	12	10	14	10	M	10	7	9	4	9	18	14	7	30	42	43	15
7	44	44	39	26	16	12	12	14	16	19	29	34	40	19	12	8	8	13	9	9	6	8	7	7	19
8	7	7	7	7	7	7	9	7	8	8	8	8	8	9	8	8	9	11	11	9	8	9	8	8	8
9	8	6	6	6	6	6	7	8	8	15	19	15	12	10	10	10	8	8	9	13	12	8	8	6	9
10	6	5	6	7	6	5	4	6	6	5	6	4	3	4	4	7	8	6	7	4	4	4	4	4	5
11	4	3	3	3	6	5	7	8	7	4	5	4	2	2	2	3	7	4	5	2	4	1	5	2	4
12	7	M	0	0	0	1	2	9	7	5	4	2	2	1	1	0	3	14	16	9	37	26	14	9	7
13	4	3	4	4	6	4	5	4	4	4	3	3	4	3	3	4	5	3	5	4	3	4	3	2	4
14	4	3	4	6	8	2	6	7	5	11	8	2	1	2	3	3	10	32	19	24	43	42	27	12	12
15	16	19	44	28	37	46	38	35	37	52	58	51	55	69	57	40	38	66	79	17	8	26	25	35	41
16	33	38	31	41	41	52	28	41	44	49	13	10	5	5	11	6	6	9	11	9	4	4	4	2	21
17	1	1	3	1	0	0	2	3	5	4	4	2	1	1	1	3	5	6	6	6	6	4	6	4	3
18	4	8	4	2	1	1	4	9	7	7	6	6	3	2	6	6	11	14	8	14	12	12	18	8	7
19	19	14	8	8	7	11	4	13	5	9	6	10	15	14	16	27	24	18	16	11	8	10	11	11	12
20	8	4	4	3	2	5	6	12	23	20	20	17	11	11	15	14	13	9	5	1	2	2	5	9	9
21	5	1	2	5	17	6	7	9	12	15	21	12	13	10	15	15	10	7	6	4	4	5	3	3	9
22	4	3	1	1	1	1	2	2	2	3	3	3	3	2	1	2	1	1	2	1	2	2	3	2	2
23	2	2	3	3	2	3	3	5	5	4	4	3	3	3	3	3	4	4	3	4	2	3	3	3	3
24	2	3	6	4	4	3	8	8	7	7	5	6	5	4	7	7	16	18	21	11	4	7	5	4	7
25	2	25	4	5	1	1	2	8	11	8	7	7	5	7	12	41	36	60	60	55	50	45	40	37	22
26	29	M	17	11	11	10	12	15	20	21	30	27	22	8	7	7	10	7	6	6	8	7	5	13	
27	5	4	4	5	5	4	5	5	6	6	6	5	5	5	6	6	7	9	5	4	3	3	3	2	5
28	2	2	3	2	2	3	5	6	7	7	5	3	2	2	9	5	5	2	2	2	2	2	3	1	4
29	1	0	0	0	0	0	2	3	3	3	2	3	3	3	7	9	29	40	70	68	49	38	39	20	16
30	12	24	28	26	19	25	28	21	20	39	41	32	39	23	12	7	4	6	6	6	5	4	3	3	18

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----					STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
7	6	10	6	25	39	50	58	0	-	79	2	-	41	2	100	0	

NOTES:

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: APRIL

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

MONTHLY STATISTICS:

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

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	7	6	6	6	6	7	15	28	29	16	18	20	15	13	19	21	16	22	16	12	9	8	8	14
2	7	7	7	7	6	6	7	6	7	8	8	8	8	8	7	7	7	7	7	6	6	6	6	6	7
3	5	5	5	5	5	5	6	9	17	20	23	21	22	27	26	26	27	26	19	10	8	7	7	6	14
4	6	6	6	6	6	6	7	15	24	24	26	26	25	26	27	28	28	28	24	17	13	11	9	8	17
5	8	8	8	10	9	10	15	15	11	13	16	14	11	11	11	13	12	12	12	12	11	10	9	11	11
6	8	7	8	8	6	8	10	14	16	15	15	13	11	12	13	14	19	13	12	11	10	14	15	15	12
7	15	13	9	6	6	6	6	6	9	10	13	15	12	22	18	16	11	11	11	11	10	8	8	7	11
8	6	6	5	5	5	6	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7
9	7	7	6	6	6	6	7	7	7	7	8	9	13	15	13	9	9	9	9	9	11	11	7	7	9
10	6	6	6	6	5	5	6	6	7	10	13	11	8	11	9	12	12	9	8	7	11	9	7	6	8
11	6	5	5	5	5	5	6	10	15	21	18	13	8	7	9	13	24	25	17	9	10	12	15	17	12
12	16	M	16	11	6	6	10	16	18	19	33	35	25	24	29	15	23	36	44	24	14	18	10	10	20
13	6	5	5	5	6	6	9	31	47	37	34	30	39	52	45	39	37	45	57	49	39	34	44	44	31
14	52	53	34	36	35	47	48	39	44	54	31	23	21	26	27	12	39	23	15	43	45	30	31	16	34
15	29	31	26	23	28	34	36	40	47	59	81	73	66	80	61	62	56	64	84	62	34	76	58	61	53
16	53	48	50	68	43	34	24	32	58	74	72	40	17	15	19	14	17	20	31	29	24	18	10	13	34
17	14	7	6	6	7	9	17	31	39	23	16	20	22	27	38	44	40	44	25	13	11	10	10	10	20
18	8	7	6	5	6	7	11	33	44	30	43	38	27	34	42	46	47	40	26	22	24	18	24	19	25
19	21	9	9	7	10	9	20	28	19	20	18	17	61	67	28	41	64	52	64	56	26	23	40	34	31
20	28	26	50	44	32	58	64	67	68	68	70	50	32	35	49	36	50	63	60	15	13	10	8	10	42
21	9	7	7	9	12	8	15	34	63	57	57	41	41	47	53	50	41	35	24	13	12	9	7	6	27
22	6	6	5	4	4	4	5	9	18	19	21	21	17	18	25	24	26	33	22	8	7	6	6	6	13
23	5	4	5	6	4	5	7	6	7	8	7	8	10	9	8	7	7	7	6	5	6	5	5	5	6
24	4	4	4	4	4	4	12	25	38	39	43	40	31	19	40	18	21	52	49	41	53	50	28	23	27
25	21	38	45	43	46	48	43	34	32	33	31	34	41	45	49	53	55	51	46	44	39	35	33	31	40
26	29	M	28	25	18	16	22	26	32	34	35	43	39	32	40	22	34	47	43	18	21	14	12	10	28
27	9	9	6	7	7	7	9	17	28	29	23	40	36	35	37	41	46	39	26	14	11	8	7	7	21
28	6	5	5	5	4	4	8	17	33	31	35	32	21	20	13	16	20	45	38	15	22	16	9	12	18
29	6	3	17	10	41	42	37	30	38	52	41	47	30	48	54	45	47	46	54	54	57	43	50	33	39
30	40	39	30	21	40	44	39	39	39	41	39	30	38	32	27	20	20	36	13	12	12	10	10	8	28

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
16	16	22	16	47	55	64	70	3	-	84	6	-	53	2	100	0

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

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

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----								-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
2	2	3	2	4	5	7	8	0	-	11	1	-	5	2	100	0

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

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

STATION : POK FU LAM
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	7	6	5	6	5	5	7	13	21	25	26	38	55	33	38	75	68	36	23	40	42	18	21	11	26
2	9	M	8	17	8	5	5	12	10	7	5	7	10	12	9	11	9	9	6	6	5	4	3	3	8
3	3	2	2	2	2	4	5	7	10	13	12	19	21	13	18	14	12	15	6	5	4	5	3	3	8
4	2	2	2	2	2	3	3	6	11	13	14	13	19	20	14	15	21	23	23	11	7	9	6	5	10
5	6	8	6	13	9	12	21	17	10	16	19	13	9	10	10	14	8	11	10	15	18	12	8	17	12
6	9	7	11	11	4	8	13	14	17	21	16	12	10	10	10	16	22	14	30	17	23	47	46	53	18
7	52	48	30	16	16	15	19	21	33	28	37	40	32	38	33	28	24	26	39	26	19	15	16	11	28
8	8	8	8	9	6	7	11	9	11	11	13	11	10	8	13	14	15	16	19	18	13	14	13	12	12
9	11	11	8	8	8	7	10	19	18	17	20	24	42	41	36	24	25	23	19	31	34	27	12	11	20
10	10	7	7	7	7	6	8	13	13	35	49	41	28	30	35	43	52	40	45	51	55	60	38	9	29
11	3	2	1	1	2	3	3	7	10	11	11	11	9	8	11	18	15	15	9	7	25	24	50	51	13
12	38	40	67	43	12	5	14	29	62	51	49	38	24	17	30	25	36	21	35	11	4	8	6	7	28
13	6	4	4	4	5	6	8	9	22	14	15	17	16	17	16	22	37	50	56	78	72	56	45	48	26
14	62	73	52	40	63	51	39	39	46	61	32	29	16	29	19	13	59	16	29	53	32	20	12	9	37
15	22	33	26	32	37	44	45	51	55	60	70	62	68	78	53	56	62	71	60	62	50	122	95	79	58
16	78	M	102	94	82	66	62	58	60	76	61	61	17	17	25	16	16	22	35	28	13	11	5	12	44
17	14	6	4	5	4	6	5	38	41	56	24	12	7	7	8	7	6	7	6	5	4	5	5	7	12
18	4	3	3	3	3	3	4	16	27	16	13	11	9	10	15	17	22	31	17	13	13	11	15	13	12
19	13	M	6	4	6	5	14	18	13	10	17	16	24	35	25	29	99	82	55	31	11	9	30	42	26
20	51	51	68	51	35	47	82	78	83	82	85	71	53	45	68	54	60	79	58	12	10	5	3	5	52
21	7	7	9	7	9	5	7	17	36	22	17	11	13	10	12	15	12	9	11	10	11	6	5	3	11
22	5	4	3	3	2	2	3	5	6	7	6	6	8	6	6	8	7	6	5	5	3	3	4	3	5
23	3	3	3	4	2	3	4	5	5	5	6	7	8	5	5	9	9	8	4	8	8	7	10	7	6
24	5	4	4	4	2	5	8	17	20	24	19	20	17	23	63	42	45	71	44	45	75	49	54	18	28
25	13	54	59	61	63	48	55	46	42	43	41	43	53	55	60	63	68	61	57	53	48	45	41	39	50
26	36	31	37	30	20	18	27	33	43	39	34	35	50	39	44	34	37	27	29	19	21	12	11	12	30
27	9	9	7	8	7	7	9	15	20	22	23	20	12	17	16	15	14	18	17	8	6	5	4	6	12
28	7	4	4	3	4	4	5	12	17	11	10	13	33	23	16	18	18	21	13	19	52	49	45	23	18
29	3	2	15	25	47	42	41	30	64	56	36	55	36	64	40	31	45	55	66	66	57	46	49	27	42
30	46	M	30	35	57	57	44	47	47	36	35	28	29	31	33	21	31	54	19	13	12	8	11	7	32

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
16	16	24	16	55	64	78	82	1	-	122	5	-	58	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 : AP LEI CHAU
POLLUTANT : SULPHUR DIOXIDE

MONTH: APRIL

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

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----											RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
2	0	1	0	2	4	6	9	0	-	18	0	-	6	2	100	0

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

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

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

MONTH: APRIL

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	1	2	3	6	7	9	8	7	2	0	7	10	11	7	9	8	6	5	4	5	
2	2	1	0	0	0	0	0	3	3	1	0	5	3	4	2	4	4	3	0	0	0	0	0	1	2	
3	0	0	0	0	0	1	3	6	5	5	4	5	6	7	3	2	2	4	2	3	3	3	1	1	3	
4	0	M	0	0	0	1	0	1	1	3	6	4	5	12	4	1	15	23	6	12	4	8	5	9	5	
5	9	13	20	16	10	20	30	34	25	34	35	15	7	8	15	16	8	10	6	13	17	19	9	10	17	
6	10	9	12	7	9	7	16	7	3	16	8	7	10	7	2	9	13	6	15	7	16	40	41	42	13	
7	43	39	27	13	10	10	9	14	26	35	M	44	33	31	M	8	6	8	10	7	11	6	3	4	18	
8	5	4	3	4	3	3	5	3	4	5	2	3	3	2	5	4	6	7	7	6	5	5	5	5	4	
9	3	3	3	2	2	3	5	5	7	10	18	13	29	26	18	5	4	4	10	17	11	7	4	3	9	
10	1	1	1	2	1	2	2	3	4	4	3	0	0	0	1	2	4	2	1	2	3	2	4	4	2	
11	0	0	0	0	1	0	0	1	1	0	0	0	0	0	2	0	2	0	0	3	6	11	31	64	5	
12	33	7	7	13	18	9	1	22	54	47	21	18	13	7	7	13	4	2	8	2	6	9	2	2	14	
13	0	0	0	0	1	1	3	2	5	2	2	2	2	2	1	6	7	8	17	9	3	4	9	17	4	
14	30	42	32	15	2	21	20	9	5	1	5	0	0	3	8	2	16	28	24	40	46	24	9	8	16	
15	45	66	29	11	22	25	33	33	48	61	80	89	72	74	53	45	45	62	54	54	46	70	49	65	51	
16	73	53	46	50	55	47	52	45	54	75	46	14	9	5	11	4	3	6	7	2	1	1	2	1	28	
17	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	0	M	1	0	0	0	1	26	0	9	4	1	6	6	0	3	8	10	5	8	17	15	20	13	7	
19	M	5	1	1	8	6	8	10	4	2	3	9	11	9	25	28	50	31	35	9	1	1	34	7	13	
20	8	3	25	38	24	18	68	73	76	64	40	21	17	44	42	39	34	21	9	3	1	0	0	1	28	
21	0	0	0	7	6	2	4	2	6	7	10	8	6	3	6	7	6	4	3	3	4	2	1	1	4	
22	0	1	0	0	0	0	1	0	2	2	3	4	4	4	3	2	0	1	0	1	0	0	0	1	1	
23	0	0	0	1	0	1	1	1	1	2	2	3	4	3	1	2	4	3	1	2	2	1	1	1	2	
24	0	0	1	0	0	2	6	5	9	10	9	12	10	8	8	5	18	39	33	23	64	28	8	20	13	
25	26	24	31	27	34	24	38	42	40	41	41	43	48	50	51	59	60	56	51	47	41	37	35	31	41	
26	31	25	24	16	11	9	15	25	28	33	31	30	32	39	15	3	5	3	3	1	1	2	2	3	16	
27	2	2	2	2	3	2	3	8	15	13	9	5	4	5	4	4	5	4	3	1	2	1	0	1	4	
28	0	0	1	0	0	0	2	5	5	7	1	1	0	0	3	0	0	1	0	0	1	0	2	0	1	
29	0	1	0	0	0	8	0	0	0	27	27	45	37	24	22	20	47	55	61	55	52	42	38	20	24	
30	32	37	26	19	36	44	44	40	43	39	34	30	37	31	10	13	10	6	5	3	3	0	0	1	23	

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
7	5	12	5	40	50	63	72	0	-	89	0	-	51	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: APRIL

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

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

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

STATION : CHEUNG CHAU
POLLUTANT : NITROGEN DIOXIDE

MONTH: APRIL

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	3	1	1	3	5	3	4	7	9	9	8	17	17	2	2	4	9	10	5	5	22	41	20	9
2	20	2	0	0	1	1	0	17	13	3	0	1	6	4	3	4	7	6	2	0	3	2	5	2	4
3	1	0	0	0	0	0	1	0	1	8	7	7	8	4	8	7	6	2	0	0	0	0	0	0	3
4	1	0	0	0	1	6	11	3	5	4	0	0	1	2	3	1	1	3	5	10	13	17	17	38	5
5	33	20	11	3	4	4	2	4	2	4	0	1	1	1	1	2	1	1	5	3	7	13	13	6	6
6	5	4	4	7	1	3	1	1	2	7	1	1	3	2	7	2	8	12	15	16	16	29	28	32	9
7	33	36	29	3	4	6	8	12	12	13	17	20	22	22	21	7	8	5	6	3	3	1	3	6	13
8	12	11	5	13	6	2	7	6	5	12	9	9	1	0	4	13	8	7	7	9	9	11	5	6	7
9	3	4	8	8	9	10	2	4	16	32	31	36	32	12	12	6	2	1	3	5	5	5	10	8	11
10	11	2	2	1	4	6	5	4	2	3	1	0	0	0	0	1	1	0	1	6	7	1	0	1	2
11	1	0	1	2	3	5	1	7	4	6	1	0	0	0	0	0	11	8	1	10	24	42	35	33	8
12	26	M	12	22	21	30	24	42	41	34	11	9	9	2	2	4	15	37	42	8	13	15	7	4	19
13	2	0	0	3	4	3	3	8	13	3	3	9	2	0	0	0	1	1	4	5	1	2	1	2	3
14	17	26	32	20	28	42	14	5	4	0	1	10	3	0	0	0	0	3	5	7	42	39	32	19	15
15	31	43	46	44	40	43	44	43	50	64	64	57	49	43	42	34	32	36	35	35	66	53	66	79	47
16	62	78	61	52	45	46	49	62	52	40	57	32	10	7	13	11	6	10	16	12	14	6	28	21	33
17	17	3	1	3	5	28	10	14	21	7	2	0	1	0	0	0	1	0	0	1	9	23	28	7	
18	37	26	14	14	12	11	18	20	19	24	21	7	0	1	2	2	2	0	0	3	2	6	3	9	11
19	6	4	5	6	6	5	3	5	2	2	6	6	M	M	M	M	M	M	M	M	M	M	M	M	
20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
22	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
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	
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	
25	M	M	M	M	M	M	M	M	M	M	M	M	47	52	62	57	53	53	55	55	52	45	42	47	
26	41	M	28	20	19	19	21	22	24	22	22	23	21	19	13	10	8	6	4	4	1	8	6	9	16
27	5	7	3	9	9	11	11	7	9	15	11	14	3	10	7	3	3	7	10	4	4	1	0	3	7
28	0	0	0	3	6	8	2	2	5	9	4	2	0	0	0	4	0	1	0	0	0	0	1	2	2
29	1	2	5	15	9	41	14	6	6	13	13	11	5	6	1	9	14	12	32	28	32	29	35	36	16
30	31	40	32	14	10	15	21	26	29	25	37	28	31	19	18	9	3	5	3	1	3	1	1	3	17

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
8	6	12	6	36	45	57	63	0	-	79	2	-	47	3	80	0

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

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

STATION : VICTORIA PEAK
POLLUTANT : SULPHUR DIOXIDE

YEAR : 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	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	M	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
12	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
13	1	1	1	1	3	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0
16	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
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	2	2	0	1	0	0	0	0	0	0	0	0	12	11	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	51	5	0	0	0	0	0	0	5
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	2	3	2	2	3	4	5	5	5	5	4	3	3	2	0	1	1	1	2
31	1	0	1	2	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----											RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
2	0	0	0	0	1	3	5	0	-	61	0	-	5	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: MAY

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	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	0	3	2	3	8	8	6	4	2	2	2	1	0	0	2
3	0	0	0	0	0	0	0	0	3	4	4	1	0	1	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	1	0	M	0	0	1	1	1	2	4	0	0	0	0	0	0
5	0	0	0	0	0	0	0	2	0	2	0	0	0	1	3	2	2	0	1	0	3	1	0	0	1
6	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7	2	0	0	0	0	0	0	0	3	2	1	1	1	1	0	1	0	3	4	4	22	24	46	41	7
8	44	26	7	4	0	0	2	11	24	13	20	25	15	24	13	8	4	7	9	7	4	6	3	0	12
9	0	0	0	0	0	0	0	0	5	5	2	4	2	2	0	0	2	3	2	1	0	0	0	0	1
10	0	M	0	0	0	0	0	0	1	0	0	0	0	0	0	3	2	5	6	1	0	0	0	0	1
11	0	0	0	0	0	0	0	2	5	7	9	4	1	3	5	13	11	12	9	5	3	2	0	0	4
12	0	0	0	0	0	0	1	5	11	15	13	16	15	18	25	40	43	45	46	53	53	59	62	41	23
13	58	61	54	45	43	34	14	21	34	44	43	39	37	40	43	56	47	36	47	50	39	42	59	36	43
14	31	16	13	0	0	0	0	10	9	6	14	16	15	18	22	32	15	8	12	7	1	0	0	0	10
15	0	0	0	0	0	0	0	4	14	14	17	30	36	21	15	20	12	15	14	20	6	4	9	10	11
16	0	0	0	0	0	0	0	0	6	4	M	6	3	3	5	11	7	7	0	0	0	0	0	0	2
17	0	0	0	0	0	0	0	1	3	9	1	1	1	1	2	1	3	1	0	0	5	9	9	0	2
18	1	0	0	0	0	0	0	5	19	9	4	6	4	3	4	5	4	5	3	0	20	12	0	0	4
19	0	0	0	0	0	0	1	2	1	3	0	1	2	3	6	32	38	16	7	6	6	3	0	4	5
20	2	0	0	0	0	0	0	0	2	1	1	1	1	1	2	2	1	3	3	2	0	0	0	1	1
21	1	0	0	0	0	0	0	0	2	0	1	1	0	1	0	0	1	2	0	0	0	0	0	0	0
22	0	0	1	0	0	0	0	0	0	1	2	0	1	0	1	1	2	8	1	0	1	0	0	5	1
23	1	5	0	2	7	8	0	2	10	27	45	40	44	29	6	4	8	2	0	0	0	0	0	0	10
24	0	M	0	0	0	0	0	0	5	8	7	4	7	6	7	21	27	8	5	0	0	0	0	1	5
25	0	0	0	0	0	0	0	3	4	4	5	5	1	3	4	4	2	1	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5	5	1	0	0	0	1
29	0	0	0	0	0	0	1	1	19	23	18	16	10	2	6	6	5	3	13	3	2	8	12	14	7
30	20	12	5	6	12	14	13	12	18	21	24	30	22	16	24	30	26	23	29	14	6	3	7	8	16
31	7	13	19	22	22	20	23	28	27	27	18	13	14	16	17	43	60	50	47	14	12	10	11	5	22

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
6	1	6	1	21	37	46	54	0	-	62	0	-	43	3	99	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: MAY

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

MONTHLY STATISTICS:

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

NOTES:

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: MAY

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	6	4	3	3	3	4	4	4	3	3	4	3	3	3	4	6	6	8	7	6	8	5	3	4
2	2	4	5	3	3	3	5	5	4	3	3	4	2	2	3	3	2	2	5	4	4	3	4	2	3
3	4	1	2	1	2	2	5	4	6	5	2	3	1	1	1	1	1	2	4	4	6	9	6	2	3
4	2	1	1	8	14	5	9	12	8	5	3	1	0	0	0	1	10	14	9	5	13	13	14	15	7
5	13	8	7	5	3	8	15	10	8	5	6	5	3	0	8	1	3	2	6	6	13	6	13	6	7
6	5	3	2	4	6	11	8	9	6	5	6	5	9	8	2	2	12	5	3	5	3	14	7	12	6
7	16	11	15	8	9	4	23	14	6	12	4	8	3	10	10	18	12	17	43	56	54	48	44	32	20
8	30	33	15	9	3	3	4	6	5	5	6	7	8	7	11	9	5	5	5	6	4	4	3	3	8
9	3	3	4	2	2	2	2	4	3	3	3	3	2	3	2	3	3	3	2	3	3	2	3	3	3
10	2	M	3	2	2	1	3	4	4	3	3	3	5	3	3	6	5	5	7	6	6	4	2	1	4
11	2	4	2	2	2	2	4	5	5	4	4	4	1	1	3	4	4	3	8	5	7	4	6	4	4
12	2	3	2	2	6	6	6	6	8	7	M	M	5	7	8	15	22	22	21	31	34	43	39	49	16
13	71	76	75	73	70	68	60	46	39	25	40	52	47	18	9	18	14	22	24	65	70	49	58	45	47
14	61	36	37	6	4	21	21	14	14	7	10	12	11	8	13	16	9	10	11	11	10	7	6	5	15
15	5	5	6	6	6	4	5	6	11	9	8	10	6	7	7	5	8	18	42	77	62	47	51	13	18
16	14	8	5	3	4	6	10	13	11	9	7	8	7	7	8	15	18	20	13	10	9	16	14	9	10
17	11	7	5	7	5	4	9	11	13	20	18	15	10	9	11	11	10	18	10	15	14	18	20	20	12
18	15	10	13	15	25	30	24	22	20	11	13	22	20	14	29	18	12	16	32	17	11	17	15	11	18
19	16	13	24	14	10	1	8	11	8	9	7	7	2	2	4	17	12	10	5	13	10	10	13	12	10
20	15	10	9	7	5	3	9	12	11	5	3	3	7	3	3	3	6	15	21	15	12	6	7	9	8
21	14	14	10	15	9	10	5	10	7	9	8	8	7	5	7	7	6	12	13	11	15	19	24	12	11
22	10	10	11	12	7	9	12	8	8	16	9	7	7	7	10	8	10	12	13	15	16	18	23	27	12
23	18	9	8	10	9	8	10	19	17	25	52	36	18	7	5	4	3	4	4	2	1	2	1	3	11
24	4	M	4	4	4	4	5	5	6	6	5	5	4	4	4	6	10	5	5	7	5	5	6	6	5
25	5	5	7	6	5	5	6	7	5	7	6	5	4	3	3	4	4	2	2	3	4	3	2	15	5
26	10	4	2	3	3	5	3	6	10	8	6	2	3	2	3	2	2	3	3	7	2	6	5	4	4
27	3	2	2	4	4	1	1	3	3	2	1	1	1	0	0	1	1	4	8	7	7	5	6	3	3
28	1	2	3	2	1	1	1	3	1	2	2	3	2	1	1	2	1	9	16	13	7	9	8	7	4
29	5	6	5	5	5	4	4	6	3	2	3	18	10	7	9	13	9	9	14	13	17	20	11	17	9
30	20	32	34	33	16	11	27	37	40	36	31	26	24	16	14	19	38	31	45	19	12	18	12	24	26
31	13	14	11	16	20	7	8	7	9	3	2	2	2	2	2	5	7	10	8	21	22	21	34	23	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	
7	6	10	6	22	36	52	67	0	-	77	3	-	47	3	99	0	

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

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

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

MONTHLY STATISTICS:

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

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

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

STATION : VICTORIA ROAD SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

YEAR : 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	6	6	6	5	5	6	8	8	9	13	12	11	10	9	8	8	8	8	9	9	9	10	8	7	8
2	5	5	6	5	5	5	8	20	29	28	30	36	31	32	30	35	31	46	43	16	13	11	8	8	20
3	5	5	4	4	4	5	9	27	34	40	37	32	41	15	18	20	27	29	26	10	8	6	7	6	17
4	5	4	4	4	7	7	10	27	38	37	12	9	7	9	9	8	30	30	34	18	11	11	11	11	15
5	15	7	8	9	6	10	12	29	35	29	30	31	24	15	16	12	26	33	31	17	19	18	14	14	19
6	12	9	9	7	9	15	16	32	28	20	20	21	15	20	16	17	20	14	12	20	15	14	12	13	16
7	25	13	12	11	7	8	12	12	15	21	17	12	11	14	13	16	19	17	33	34	43	42	46	48	21
8	49	54	52	48	36	28	33	30	36	38	34	45	38	36	39	33	37	43	32	19	14	14	13	10	34
9	6	6	5	5	4	5	8	19	31	36	33	28	27	30	36	33	43	49	33	12	9	7	7	7	20
10	6	M	6	5	5	4	7	19	31	30	30	21	22	24	28	38	37	36	41	14	10	9	10	7	19
11	7	6	5	5	4	5	10	33	53	37	44	34	29	37	49	45	42	40	37	20	16	13	13	8	25
12	7	6	5	5	6	8	12	26	24	27	26	30	32	52	53	46	81	80	63	78	60	63	61	65	38
13	51	42	44	46	43	44	46	52	52	50	51	53	48	53	57	51	56	61	62	69	72	62	60	62	54
14	56	46	38	20	32	34	35	30	40	35	31	40	31	28	37	64	36	21	31	21	21	10	9	25	32
15	27	10	8	7	8	12	18	25	46	56	36	33	31	19	24	32	16	24	29	48	47	53	42	28	28
16	20	15	13	9	8	12	27	46	34	23	36	21	25	28	34	29	25	23	17	12	10	8	8	8	20
17	7	5	5	5	5	5	7	12	18	21	19	21	12	14	12	13	15	15	16	14	11	11	11	9	12
18	9	9	6	6	8	9	10	11	14	13	8	12	12	13	17	16	13	13	12	8	10	12	10	9	11
19	7	7	9	5	4	6	11	17	16	14	10	9	11	11	9	14	11	10	12	12	10	9	10	9	10
20	8	6	6	6	5	7	9	12	15	13	13	10	9	9	11	8	12	14	13	15	10	8	9	12	10
21	11	6	5	7	7	7	9	10	13	10	10	6	7	9	5	6	5	9	8	8	7	11	11	10	8
22	6	4	6	7	5	7	10	7	7	10	M	6	10	6	7	9	7	8	6	8	8	8	7	14	8
23	6	6	3	5	3	2	6	9	9	19	20	21	29	24	23	21	18	10	8	3	2	2	1	2	11
24	2	M	1	1	1	1	1	5	7	10	13	12	14	14	16	14	16	19	13	5	4	3	3	4	8
25	5	3	1	1	1	5	9	12	25	19	18	16	11	18	26	23	19	17	11	5	2	2	1	2	11
26	2	0	0	0	0	0	1	1	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	1	5	9	10	10	7	8	12	12	14	12	10	6	4	2	2	1	1	5
28	0	0	0	0	0	0	1	1	9	6	4	2	3	4	3	4	6	10	12	8	4	3	4	3	4
29	6	5	1	1	1	1	6	12	11	7	11	10	7	5	5	5	7	6	11	6	6	7	8	5	6
30	10	7	8	7	12	22	18	19	17	17	36	34	18	12	11	13	22	27	20	10	9	13	12	13	16
31	9	6	6	10	12	16	25	27	25	18	11	10	12	15	8	14	19	14	15	14	24	26	14	9	15

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
12	11	17	11	38	48	60	63	0	-	81	1	-	54	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: MAY

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
2	2	3	2	4	5	7	8	0	-	13	2	-	5	1	100	0

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

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

STATION : POK FU LAM
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	6	5	5	4	4	5	6	8	10	11	12	11	8	7	5	6	5	8	9	9	9	11	6	6	7
2	5	5	5	5	4	5	7	13	15	12	13	16	15	9	24	31	41	29	15	20	14	10	10	6	14
3	2	2	2	3	3	3	6	10	11	11	10	33	37	34	11	12	12	18	6	3	2	2	4	2	10
4	1	1	1	2	3	3	6	9	12	20	13	9	7	9	9	8	33	14	15	10	6	5	6	8	9
5	10	3	4	5	4	6	5	12	17	17	13	11	7	9	10	10	12	16	18	9	10	11	8	7	10
6	4	3	4	1	3	7	8	13	17	15	12	9	6	11	5	7	9	5	9	11	6	6	4	8	8
7	13	6	6	4	4	3	7	5	11	15	8	6	9	13	15	17	12	41	54	42	48	61	71	68	22
8	62	63	63	40	15	15	20	35	49	41	42	45	45	47	44	20	16	20	21	15	18	15	14	11	32
9	7	7	6	5	5	5	7	11	12	14	14	14	12	11	9	8	13	17	18	12	10	7	6	8	10
10	6	6	5	4	5	4	7	13	15	13	11	11	13	13	10	16	18	26	31	20	13	11	8	7	12
11	6	6	5	4	4	5	8	19	24	17	21	18	15	16	17	19	27	31	31	18	20	11	11	12	15
12	9	8	5	5	6	7	9	23	24	25	20	18	20	24	38	83	88	94	87	111	78	81	76	77	42
13	50	49	56	60	56	55	46	51	58	60	57	62	59	62	65	57	63	84	76	82	74	85	71	77	63
14	64	M	36	7	29	27	37	38	43	53	36	51	49	30	28	36	24	17	48	30	32	14	26	66	36
15	33	16	18	11	10	11	21	40	43	60	M	57	65	33	26	31	19	24	55	49	26	27	37	33	32
16	32	27	8	3	2	2	6	19	52	34	32	23	15	17	17	15	16	18	9	4	4	3	5	3	15
17	2	1	1	2	2	1	3	7	11	14	21	21	18	11	8	11	16	17	16	13	11	17	17	9	10
18	9	7	5	6	11	9	12	17	20	16	8	26	15	8	16	12	16	18	9	8	16	15	11	13	13
19	6	9	13	3	1	2	5	20	24	15	7	8	9	9	10	17	20	23	21	11	9	8	6	13	11
20	9	5	5	5	3	6	7	8	13	12	10	7	7	8	7	5	11	13	11	12	8	7	7	15	8
21	9	4	4	7	5	4	8	9	9	7	6	2	4	7	9	8	4	12	14	11	8	14	11	8	8
22	3	3	11	13	9	18	17	8	7	10	4	4	5	3	4	7	9	17	12	14	13	11	12	21	10
23	11	12	12	10	3	7	14	21	25	40	49	45	55	45	15	14	13	12	8	5	6	6	4	9	18
24	7	6	7	7	8	9	9	10	15	M	13	14	27	28	36	49	49	21	12	9	11	12	10	17	17
25	10	6	5	7	21	19	12	19	23	13	12	10	7	8	13	11	10	12	11	9	3	5	3	4	11
26	3	1	1	1	2	2	2	2	3	2	3	3	3	3	3	2	1	1	2	3	2	2	3	3	2
27	2	1	1	2	2	3	3	22	23	40	26	24	17	8	5	6	6	5	4	4	6	3	3	3	9
28	1	M	3	2	1	1	3	4	14	33	14	10	9	8	7	7	9	16	27	23	11	9	10	26	11
29	24	13	7	7	7	9	39	36	40	26	30	26	18	16	14	10	12	11	23	16	16	15	19	18	19
30	20	19	29	19	23	39	52	48	28	34	58	64	35	32	29	24	28	46	34	20	13	15	15	22	31
31	13	10	14	29	30	31	37	53	50	41	18	18	27	23	26	40	66	51	39	29	33	62	23	13	32

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----			STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL
11	11	18	11	43	58	72	82	1	-	111	2	-	63	3	99	0

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

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

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

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----RANGE-----													STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
1	0	0	0	1	1	2	3	0	-	7	0	-	1	2	92	0

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

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

STATION : AP LEI CHAU
POLLUTANT : NITROGEN DIOXIDE

MONTH: MAY

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	1	2	0	0	0	0	0	0	1	1	1	2	0	1	0	
2	0	M	1	0	0	0	3	3	3	4	3	4	2	3	2	3	2	5	1	1	0	3	0	1	2	
3	0	0	0	0	0	0	3	4	5	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
4	0	0	0	1	3	0	1	1	0	0	0	0	1	0	0	0	2	5	8	0	2	1	2	10	2	
5	18	2	6	6	0	4	3	4	3	2	1	M	1	3	10	M	2	5	7	5	10	4	7	5	5	
6	6	7	4	11	11	16	11	13	18	17	12	10	13	17	7	11	11	6	7	7	8	29	15	16	12	
7	27	25	20	9	9	13	15	13	13	13	11	13	19	12	16	20	20	31	48	48	47	45	76	75	27	
8	76	69	45	52	11	10	15	19	33	26	34	33	25	35	19	21	14	12	14	13	10	10	5	5	25	
9	4	4	4	4	3	4	4	5	8	7	7	6	6	7	6	5	7	7	7	6	5	4	4	5	5	
10	4	4	4	4	4	5	6	7	7	7	7	8	9	7	5	6	9	11	10	8	6	5	4	4	6	
11	6	7	5	4	6	6	7	15	11	9	12	11	6	6	9	9	13	16	10	8	6	9	9	5	9	
12	6	5	5	4	6	8	14	13	20	20	16	12	13	12	17	33	44	49	70	53	59	87	80	74	30	
13	69	60	65	60	56	57	56	53	52	59	55	53	55	65	70	76	65	70	86	86	70	67	74	64		
14	76	54	36	4	3	34	22	11	17	9	22	18	11	22	33	33	11	7	10	8	7	2	0	0	19	
15	1	1	1	1	2	4	13	16	9	5	9	5	8	2	2	3	7	26	26	102	56	31	20	27	16	
16	13	M	3	0	1	1	6	2	4	0	10	5	0	1	2	2	6	8	2	0	0	1	1	2	3	
17	0	0	0	1	0	0	2	3	4	14	9	19	10	3	5	6	14	6	10	8	10	16	11	9	7	
18	11	5	1	14	18	13	13	13	17	17	16	22	24	16	25	11	15	15	8	9	9	8	12	4	13	
19	8	12	30	3	15	8	6	13	0	2	0	11	10	4	19	29	17	6	6	14	11	3	8	11	10	
20	12	12	7	4	9	10	13	8	10	8	12	6	4	4	6	3	3	13	11	7	4	4	9	13	8	
21	8	1	8	5	6	6	9	15	11	5	5	3	3	1	1	5	4	6	11	4	6	14	18	11	7	
22	5	2	11	10	10	22	18	16	16	12	16	17	13	8	8	17	19	16	11	15	14	8	7	24	13	
23	13	10	11	14	8	10	21	16	28	47	53	60	64	21	13	12	9	7	8	7	5	5	5	2	19	
24	2	1	0	1	1	1	3	4	6	9	7	4	3	1	1	14	13	6	3	3	3	4	5	4	4	
25	5	2	1	0	0	3	7	5	6	7	4	4	2	4	4	4	5	2	2	1	0	0	0	3	3	
26	2	0	0	0	0	1	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	0	
27	0	0	0	0	1	1	2	1	1	1	0	1	0	0	1	1	1	3	6	3	5	2	2	0	1	
28	0	0	0	0	0	0	0	3	2	3	2	3	1	2	2	2	4	7	14	16	5	5	9	18	4	
29	13	3	4	3	2	4	25	25	17	22	37	30	14	M	M	M	M	M	M	M	M	M	M	M	M	
30	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
31	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	

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
7	6	11	6	27	55	70	76	0	-	102	0	-	64	3	92	0

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

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

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	3	3	2	2	2	2	2	3	3	3	5	3	3	3	2	3	3	3	3	3	3	3	3	4	3
2	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	3
3	3	3	2	2	3	3	2	2	3	3	3	2	3	2	3	3	3	3	3	3	2	2	2	2	4	3
4	3	3	3	3	3	3	4	3	3	3	3	3	3	4	3	3	4	5	4	3	3	5	5	5	5	4
5	3	3	4	4	4	4	4	4	4	4	3	2	4	5	4	3	3	3	3	3	3	3	3	3	4	4
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	5	3
7	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	5	3
8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	4	3
9	3	3	3	3	3	3	2	3	3	3	3	4	4	3	3	3	3	4	3	3	3	3	19	3	4	
10	2	2	3	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	4	3	
11	3	2	3	3	3	2	2	3	3	7	10	12	7	5	5	4	4	6	3	3	3	3	3	5	4	
12	3	3	3	3	3	4	3	4	4	4	3	3	3	3	3	3	3	3	3	2	3	2	2	4	3	
13	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	2	2	3	3	3	3	3	4	3	
14	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	2	2	3	4	3	
15	3	2	3	3	3	2	3	3	4	4	4	3	4	3	3	4	3	4	3	3	3	3	2	4	3	
16	3	3	3	3	3	3	3	4	8	6	5	5	4	4	5	4	4	3	3	3	3	5	3	5	4	
17	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	2	3	3	3	3	3	3	4	3	
18	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	5	3	
19	3	3	3	3	3	3	3	4	5	3	3	3	3	3	3	3	3	3	3	3	3	3	2	6	3	
20	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	2	2	3	3	3	3	3	3	4	3	
21	4	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	2	6	3	
22	4	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	2	3	3	5	3	
23	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	3	3	2	7	3	
24	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	5	3	
25	3	3	3	3	3	3	3	3	3	2	3	2	3	3	2	3	3	3	3	2	2	2	2	5	3	
26	3	3	3	3	2	3	3	3	3	3	2	2	2	2	3	3	3	2	3	2	2	2	2	6	3	
27	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	2	3	2	2	3	3	2	3	6	3	
28	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	4	3	3	3	3	3	4	7	3	
29	4	4	3	3	4	3	3	3	3	3	3	3	4	4	4	4	4	4	3	2	3	3	3	6	3	
30	3	3	3	3	3	4	5	4	4	5	4	3	3	M	M	1	0	0	0	0	0	0	M	0	2	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	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		
3	3	3	3	4	5	5	7	0	-	19	0	-	4	1	99	0

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

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

STATION : CHEUNG CHAU
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	0	1	2	2	0	2	1	4	5	3	3	5	1	0	0	0	0	0	2	3	3	3	4	4	2
2	2	3	2	2	5	8	7	15	9	13	13	6	6	17	31	25	14	0	2	0	3	2	0	3	8
3	0	0	0	1	0	0	0	2	3	5	2	9	3	0	0	0	1	3	1	0	1	2	1	4	2
4	0	7	6	7	14	21	4	5	1	0	0	0	0	1	0	2	11	28	24	14	26	30	35	7	10
5	8	19	12	18	14	25	22	7	0	1	1	0	5	6	1	0	0	0	2	1	1	0	0	0	6
6	1	0	1	1	1	3	1	0	0	0	0	0	0	0	0	1	0	0	0	7	21	15	15	4	3
7	0	1	10	4	9	11	14	2	1	0	2	0	2	15	12	1	14	45	38	29	24	55	47	32	15
8	36	13	3	3	3	8	9	14	13	16	20	30	29	31	32	37	33	33	8	15	10	8	11	8	18
9	5	6	3	6	3	4	1	8	2	8	12	11	7	2	3	0	2	7	9	7	12	7	1	2	5
10	0	M	3	2	3	4	7	5	4	5	3	2	2	4	4	5	6	8	10	4	1	1	1	2	4
11	2	6	0	1	1	6	19	12	9	15	12	12	4	5	2	2	3	10	8	6	11	13	5	17	8
12	4	4	3	4	9	20	26	25	37	48	40	25	3	1	7	5	20	29	20	38	38	25	20	37	20
13	33	53	51	48	35	24	30	32	28	27	33	40	41	54	44	44	43	35	45	58	46	41	31	34	40
14	40	18	4	1	6	11	20	38	44	50	51	39	43	24	14	25	21	23	56	47	33	14	22	4	27
15	10	11	17	12	3	14	18	21	34	27	27	5	2	1	2	0	5	12	5	6	0	0	0	2	10
16	11	13	8	3	19	8	17	21	25	12	1	5	4	9	8	10	7	14	13	0	4	33	19	4	11
17	15	16	11	13	19	13	16	9	18	21	2	26	18	43	7	0	0	0	1	1	3	4	0	13	11
18	12	6	5	5	3	15	19	10	11	3	2	2	2	1	0	0	0	0	1	1	2	4	2	11	5
19	4	2	4	4	19	13	10	27	23	3	2	8	4	0	1	0	0	0	1	1	6	6	1	2	6
20	0	0	0	2	0	0	0	0	0	0	3	4	0	0	0	0	0	0	1	1	1	0	1	0	1
21	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	1	0	0
22	0	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	1
23	1	1	1	0	0	0	6	10	26	14	14	12	26	7	9	3	5	7	3	4	7	5	0	2	7
24	3	M	2	0	1	10	9	10	9	9	10	8	0	0	0	0	0	1	1	0	3	8	1	2	4
25	5	5	4	1	0	0	14	3	2	1	6	1	1	2	2	1	2	1	0	0	0	0	0	1	2
26	3	2	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
27	0	1	0	0	1	1	4	11	3	0	0	0	0	0	0	0	0	0	1	1	6	0	2	1	
28	0	0	0	0	0	0	0	3	1	1	0	0	2	0	0	2	3	3	2	11	6	16	15	20	4
29	24	11	4	7	3	2	1	0	0	0	0	0	0	0	1	0	1	5	9	0	0	0	0	7	3
30	4	12	8	12	5	12	32	13	9	12	8	4	4	M	M	10	4	5	1	0	0	2	7	0	7
31	0	1	0	0	7	4	0	0	4	9	0	0	0	0	1	0	2	5	20	12	13	2	M	M	4

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----								RANGE-----				STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL		
6	3	8	3	25	35	44	49	0	-	58	0	-	40	3	99	0

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

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

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

ARITH-----PERCENTILES-----											RANGE-----			STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR			24-HR	DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
2	0	0	0	1	2	5	7	0	-	14	0	-	3	2	80	0

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

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

STATION : VICTORIA PEAK
POLLUTANT : 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	4	0	3	0	1	0	12	18	30	6	17	14	13	15	16	12	28	25	0	6	25	37	12	12
2	15	1	0	0	0	0	0	0	2	11	12	17	14	19	19	16	10	15	6	4	2	2	0	4	7
3	0	2	1	0	0	0	0	0	3	10	11	18	14	11	5	7	7	9	5	3	1	1	0	0	5
4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	2	3	3	4	0	0	0	0	0	1
7	0	M	0	0	0	0	0	1	0	1	1	0	0	1	3	1	0	0	6	1	2	1	0	1	1
8	0	0	0	0	0	0	1	0	2	2	0	0	0	1	4	M	1	3	6	7	0	0	0	0	1
9	0	0	0	0	0	0	5	2	1	9	8	3	2	0	0	2	4	11	9	3	6	4	0	1	3
10	3	8	3	1	0	0	0	2	1	3	5	1	1	4	7	0	10	16	15	26	15	19	11	10	7
11	8	1	0	0	2	0	9	14	19	6	3	9	9	6	8	4	4	4	9	4	3	2	0	0	5
12	0	0	0	0	0	0	3	3	12	8	5	2	1	2	2	4	2	6	5	4	2	0	1	0	3
13	1	3	1	5	11	10	13	23	29	22	14	19	18	13	14	M	M	M	M	M	M	M	M	M	
14	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
16	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
17	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
18	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
19	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	4	8	9	1	1	1	2	3	
20	4	8	1	0	2	1	4	1	1	3	4	11	12	5	5	5	8	4	7	1	1	0	0	0	4
21	0	M	0	1	0	0	0	2	2	9	12	0	3	9	1	4	8	4	1	2	3	0	0	0	3
22	0	0	1	0	0	2	2	0	6	0	0	2	0	1	2	1	2	3	2	4	2	5	5	0	2
23	0	0	0	0	0	1	0	1	2	1	0	1	0	2	2	1	3	5	3	4	2	2	2	1	1
24	1	1	0	0	1	0	0	0	0	0	1	1	1	0	1	5	3	3	0	0	5	4	3	6	2
25	4	0	0	1	1	13	12	1	2	1	1	0	0	0	1	5	3	5	6	5	0	0	0	0	3
26	0	0	0	0	0	0	0	1	1	7	2	7	2	0	0	1	1	3	4	4	1	5	3	0	2
27	0	0	0	0	0	0	0	0	1	0	M	3	4	1	3	1	2	1	1	0	0	2	0	1	1
28	0	1	0	0	0	0	1	1	3	3	2	0	0	0	1	1	0	0	1	2	5	2	0	1	1
29	1	0	0	0	1	0	1	6	11	10	11	11	20	20	24	25	25	18	13	8	9	9	10	8	10
30	6	7	5	1	1	1	0	4	5	1	3	9	3	4	8	10	4	8	4	3	8	4	6	5	5

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
4	1	4	1	11	15	21	25	0	-	37	0	-	12	3	79	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : SULPHUR DIOXIDE

MONTH: JUNE

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

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE	LIMIT LEVEL	
1	0	0	0	1	2	3	5	0	-	14	0	-	1	2	86	0

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

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

STATION : CHUNG HOM KOK ZONE SUBSTATION
POLLUTANT : NITROGEN DIOXIDE

MONTH: JUNE

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	17	11	7	7	5	4	3	27	13	50	81	55	40	38	38	41	19	42	63	39	55	63	40	21	32
2	12	9	8	4	16	23	22	6	6	32	27	19	17	11	10	10	13	23	17	13	12	23	18	6	15
3	13	16	5	6	15	5	5	6	7	5	5	4	3	12	7	5	5	4	5	9	9	10	5	7	7
4	8	4	4	4	3	2	2	2	4	4	2	1	1	1	1	2	3	4	8	6	7	4	2	2	3
5	4	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	5	3	3	1
6	4	3	1	2	4	4	6	3	3	2	3	1	2	1	3	6	5	9	4	4	3	2	3	4	3
7	3	M	4	3	3	6	10	13	7	7	4	1	4	4	2	3	2	4	8	6	7	5	3	6	5
8	3	2	3	1	5	2	4	5	4	3	1	1	0	1	1	3	2	4	3	10	3	2	3	4	3
9	2	1	0	0	4	3	8	8	4	3	5	4	2	6	4	4	8	5	4	8	13	4	5	7	5
10	7	9	11	8	4	7	6	15	15	14	19	19	21	9	9	24	19	7	13	15	8	7	10	8	12
11	4	4	1	1	3	2	4	13	8	16	9	6	3	3	2	2	2	5	20	11	12	8	5	7	6
12	7	2	1	3	4	3	3	3	3	2	2	2	1	3	3	1	3	2	4	9	5	3	2	2	3
13	5	3	1	2	2	2	5	5	8	7	11	7	7	8	8	8	9	7	15	8	9	7	15	6	7
14	4	2	2	4	3	20	12	22	29	31	23	18	15	12	12	4	7	8	11	17	16	12	3	5	12
15	12	4	17	10	2	3	2	3	7	6	7	15	15	16	25	34	36	46	38	31	26	25	20	8	17
16	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
17	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
18	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
19	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1	3	5	5	5	4	5	3	9	
20	6	7	1	3	M	M	M	M	M	M	M	M	M	M	M	M	7	4	12	8	7	6	7	10	
21	21	M	11	9	5	5	7	7	3	9	M	9	8	10	7	5	9	14	15	15	21	11	12	22	11
22	19	18	17	22	12	11	15	18	14	13	16	14	13	15	15	14	17	19	21	21	14	21	17	9	16
23	8	7	10	5	4	4	7	3	9	9	10	6	5	6	9	8	7	8	10	8	11	7	15	6	8
24	16	10	10	9	6	7	5	4	4	5	5	5	5	6	7	17	16	6	7	9	16	18	12	13	9
25	5	3	6	7	6	5	10	8	6	6	5	4	4	4	3	5	7	7	11	10	9	9	5	6	6
26	4	4	4	7	4	4	4	4	6	5	4	6	4	3	4	4	5	4	3	4	2	3	5	2	4
27	3	4	6	6	4	4	6	4	5	5	4	4	3	3	4	4	7	7	10	6	10	12	5	8	6
28	5	7	5	5	5	2	3	3	6	3	4	4	4	2	1	2	4	5	3	3	6	4	1	4	4
29	4	2	2	4	4	3	3	6	22	27	27	19	10	12	18	16	19	13	16	13	15	14	10	15	12
30	20	23	14	15	13	12	14	11	13	9	8	9	14	8	8	9	7	7	10	12	11	10	11	13	12

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							-----RANGE-----					STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR			DEVIATION	VALID DATA	ABOVE LIMIT LEVEL	
6	6	9	6	18	23	38	45	0	-	81	1	-	32	2	86	0

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

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

STATION : VICTORIA ROAD SUBSTATION
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	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	5	3
2	3	3	3	3	3	2	3	2	3	3	4	3	3	3	4	3	3	3	3	3	3	3	3	3	5	3
3	3	3	3	3	2	2	2	3	3	3	3	3	3	5	4	3	3	3	3	1	2	3	3	3	5	3
4	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2	3	2	2	3	2	2	2	5	3
5	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	4	2
6	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	2	2	2	2	2	2	2	2	5	2
7	2	2	2	2	2	2	2	2	2	3	3	3	2	3	3	3	3	3	3	2	2	5	5	5	5	3
8	2	3	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	5	3
9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	3
10	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	2	3	3	5	3
11	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	4	4	4	M	5	0	0	0	0	0	0	0	0	0	0	0	0	1	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	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	1	0
29	0	0	0	0	0	0	0	0	0	1	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	0	0	0	1	0

MONTHLY STATISTICS:

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

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	8	4	3	9	4	4	10	25	34	24	24	21	20	28	30	14	18	21	17	14	21	16	10	16
2	13	5	3	2	2	3	5	3	6	10	14	21	11	19	15	11	10	11	9	7	5	6	8	4	8
3	6	5	5	5	2	1	2	4	12	9	9	17	15	31	16	18	17	15	11	8	5	5	4	3	9
4	4	2	1	1	0	0	1	2	2	3	1	1	2	2	2	1	1	1	1	1	1	1	0	1	1
5	0	0	0	0	0	0	1	4	6	7	11	10	9	9	9	10	7	6	4	2	1	2	2	2	4
6	0	0	0	0	0	1	1	4	7	8	8	8	13	13	13	15	13	10	7	3	2	2	1	2	5
7	1	M	0	1	1	1	2	6	11	15	12	11	10	11	12	13	13	14	11	8	5	4	3	4	7
8	3	1	2	1	2	2	4	8	10	10	14	11	6	6	9	7	9	6	6	8	4	2	2	3	6
9	1	0	0	0	0	2	7	7	8	9	7	13	8	9	5	5	5	5	4	6	6	7	4	5	5
10	4	7	5	6	4	6	8	10	8	5	7	7	6	3	7	9	12	9	8	6	9	11	15	20	8
11	13	5	3	2	4	2	7	21	15	11	10	10	8	9	4	12	8	7	8	6	4	4	3	3	7
12	2	2	1	0	1	1	5	9	15	10	15	14	14	16	14	12	11	12	9	5	4	3	2	2	7
13	2	2	4	5	4	4	10	13	14	15	M	15	14	14	13	18	13	13	12	15	10	12	8	7	10
14	3	2	2	2	2	1	2	4	7	7	19	25	14	13	16	10	10	6	7	9	11	11	9	7	8
15	7	8	3	2	4	3	4	8	15	21	15	17	8	11	13	16	18	24	22	22	18	18	12	6	12
16	6	8	5	4	3	4	6	12	13	14	11	13	8	8	9	6	11	13	9	8	8	6	5	10	8
17	5	2	3	2	1	3	5	5	8	9	14	15	12	12	7	10	12	12	12	8	6	5	4	4	7
18	4	9	10	6	5	5	4	5	4	3	4	6	4	7	7	7	5	7	7	8	9	13	12	13	7
19	11	6	4	3	5	4	6	8	9	11	9	7	7	6	6	5	7	10	8	7	5	8	6	8	7
20	7	5	2	3	5	4	6	8	8	10	8	8	7	6	7	8	9	8	10	7	5	7	11	8	7
21	7	M	3	6	3	3	4	6	5	7	7	4	4	6	4	4	8	13	7	6	9	8	7	7	6
22	6	7	3	3	1	4	6	4	3	3	6	6	5	5	5	6	5	5	4	7	7	8	6	8	5
23	3	5	4	3	2	4	7	11	10	7	5	5	5	7	8	6	7	8	7	9	9	8	9	10	7
24	5	6	4	2	3	3	7	7	8	7	9	8	7	8	8	8	10	10	8	6	7	8	7	9	7
25	6	1	1	2	2	6	7	7	5	5	6	5	4	4	5	9	6	6	4	4	4	3	2	2	4
26	1	0	0	1	2	2	2	5	8	7	7	12	7	6	4	3	4	4	4	4	4	7	11	6	5
27	2	1	0	1	0	0	2	3	8	8	7	3	3	4	3	4	5	11	8	4	3	3	2	3	4
28	1	1	1	1	0	0	2	3	4	6	7	7	6	8	6	7	6	5	5	3	3	3	1	3	4
29	1	0	2	4	3	4	3	6	9	11	11	14	14	17	24	19	24	21	13	8	10	14	6	10	10
30	8	9	8	3	3	3	3	5	7	5	7	7	5	5	7	5	4	5	7	5	7	7	9	11	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		
6	6	7	6	14	16	21	24	0	-	34	1	-	16	2	100	0

NOTES:

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

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

STATION : POK FU LAM
POLLUTANT : SULPHUR DIOXIDE

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

MONTHLY STATISTICS:

ARITH-----PERCENTILES-----													RANGE-----		STN GEOM	PERCENT	NO. OF TIMES
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE	LIMIT	LEVEL			
2	2	2	2	3	5	6	7	0	-	9	0	-	4	1	90	0	

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

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

STATION : POK FU LAM
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	9	10	8	2	6	6	9	23	73	91	70	66	48	38	28	42	16	47	52	43	41	58	27	22	35
2	21	9	5	3	5	8	11	8	22	23	27	35	17	30	19	21	19	23	13	10	9	7	8	8	15
3	12	10	13	14	9	9	4	12	17	11	14	28	28	37	20	22	19	24	7	6	5	6	3	6	14
4	10	4	1	2	2	2	3	8	3	2	1	1	1	1	1	1	1	2	1	3	2	1	3	2	
5	2	2	0	1	2	1	2	2	2	2	3	3	2	3	3	3	2	2	1	3	2	4	8	5	3
6	2	2	1	2	1	3	3	5	5	4	4	2	3	4	5	8	9	6	5	5	5	4	2	4	4
7	3	2	1	4	2	2	4	7	8	11	6	5	5	15	14	10	10	19	16	7	10	7	4	10	8
8	8	4	5	4	7	7	6	10	10	6	7	8	5	8	12	10	16	13	16	15	5	4	4	6	8
9	3	0	0	0	2	5	15	15	22	21	15	25	8	14	6	8	7	13	13	11	13	15	6	12	10
10	12	20	13	12	9	10	16	19	16	16	23	20	13	3	10	19	25	17	15	19	25	23	33	29	17
11	15	M	6	23	16	15	13	37	39	23	17	21	17	21	11	19	12	11	13	10	6	6	4	6	16
12	4	4	2	1	10	4	8	16	13	16	17	11	10	8	11	16	15	14	7	6	6	5	7	6	9
13	4	7	27	14	14	11	40	43	33	25	15	14	20	18	16	22	18	22	18	20	10	15	11	10	19
14	4	2	4	2	3	3	7	22	33	31	38	43	20	15	27	16	17	20	18	14	15	15	15	11	16
15	16	19	10	7	8	4	4	9	14	15	M	10	15	28	36	40	43	65	47	46	31	24	10	5	22
16	2	10	1	0	1	1	4	21	18	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
17	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
18	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
19	M	M	M	M	M	M	M	M	M	M	1	2	2	3	1	0	4	8	8	5	1	5	1	7	
20	3	1	0	0	2	1	7	12	9	14	0	0	2	0	2	1	2	8	6	10	2	4	7	2	4
21	3	0	0	7	3	2	5	14	9	1	1	0	4	4	4	4	5	12	10	15	18	7	4	5	6
22	5	9	6	11	2	5	8	10	8	10	5	9	5	7	3	3	7	6	5	8	6	31	8	44	9
23	9	8	4	2	1	6	4	10	82	8	5	5	5	10	15	9	13	11	10	12	8	9	12	13	11
24	6	8	2	0	4	2	29	21	14	12	39	11	7	9	8	15	17	11	8	2	13	12	9	14	11
25	22	7	13	5	7	17	16	10	5	4	5	3	4	1	3	7	5	4	5	4	4	2	4	3	7
26	0	0	0	2	3	4	3	5	10	10	13	24	7	3	3	2	8	9	15	11	8	14	31	7	8
27	4	3	1	2	1	1	3	4	18	19	9	4	4	5	3	5	7	6	5	M	2	5	2	4	5
28	1	1	0	0	0	0	2	2	4	3	5	4	2	2	3	6	6	19	3	5	12	9	0	5	4
29	4	3	1	2	1	6	13	19	16	19	16	18	16	18	25	24	29	25	17	10	14	19	7	12	14
30	11	17	19	6	7	10	5	12	13	11	12	7	4	4	7	5	5	8	9	8	12	8	12	11	9

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----										RANGE-----		STN GEOM	PERCENT	NO. OF TIMES	
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
7	8	11	8	23	31	43	55	0	-	91	2	-	35	3	89	0

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

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

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

MONTHLY STATISTICS:

GEOM	ARITH	-----PERCENTILES-----						-----RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR	24-HR	DEVIATION	VALID DATA	ABOVE LIMIT LEVEL				
#NUM!	#NUM!	#####	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	0	-	0	0	-	0	#DIV/0!	0	0

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

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

STATION : AP LEI CHAU
POLLUTANT : 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	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
2	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
3	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
4	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
5	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
6	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
7	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
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	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
12	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
13	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
14	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
15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
16	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
17	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
18	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
19	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
20	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
22	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
23	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
24	M	M	M	M	M	M	M	M	M	M	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	M	M	M	M	M	M	M	M	M	M	M	M	M
27	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
28	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
29	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
30	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M

MONTHLY STATISTICS:

GEOM	ARITH-----PERCENTILES-----							RANGE-----				STN GEOM	PERCENT	NO. OF TIMES		
MEAN	MEDIAN	MEAN	50	90	95	98	99	1-HR		24-HR		DEVIATION	VALID DATA	ABOVE LIMIT LEVEL		
#NUM!	#NUM!	#####	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	0	-	0	0	-	0	#DIV/0!	0	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: JUNE

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	M	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	M	2	0	0	0	0	0	0	0	0	0	0	1	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
8	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	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	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	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	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	M	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	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	3	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	M	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	M	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	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	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	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
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	M	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	M	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	M	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	1	M	2	0	0	0	0	0	0	0	0	M	0
30	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	M	0

MONTHLY STATISTICS:

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

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

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

STATION : CHEUNG CHAU
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	24	6	0	0	40	99	36	26	27	41	27	4	4	8	28	0	1	7	17	16	1	3	0	0	17
2	0	0	0	0	0	0	0	0	6	7	0	0	2	0	1	0	M	2	3	3	1	1	0	4	1
3	1	0	0	8	0	10	26	19	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
4	3	3	1	3	1	2	1	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	3	1
5	2	6	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	3	1
6	0	0	1	1	2	4	3	1	1	1	8	1	M	2	0	0	0	4	22	40	15	4	2	2	5
7	1	M	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	1	2	0	24	23	19	2	3
9	1	1	7	16	11	6	0	1	2	4	23	17	5	1	0	0	0	0	1	1	0	1	0	1	4
10	2	0	0	4	0	0	2	3	0	4	19	4	0	0	0	0	0	0	1	1	8	43	40	14	6
11	22	24	23	19	17	19	29	25	18	10	2	4	8	4	0	0	5	9	14	10	12	3	4	5	12
12	2	4	1	3	4	15	4	1	1	1	3	0	0	0	0	0	5	4	1	5	2	3	0	0	2
13	0	0	0	0	1	9	26	12	1	4	3	2	0	0	0	0	0	0	0	0	0	0	0	5	3
14	10	16	8	5	0	0	1	0	2	40	33	7	0	0	0	0	0	0	0	0	0	0	0	0	5
15	0	0	0	0	0	0	3	1	19	35	27	8	11	33	28	33	29	27	25	15	12	4	8	1	13
16	0	0	1	0	1	0	0	2	2	15	29	12	1	0	0	0	0	1	0	0	0	3	6	4	3
17	5	4	13	12	12	22	22	4	14	25	28	31	12	0	6	19	22	7	13	29	22	9	13	7	15
18	4	5	0	1	0	1	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	4	6	7	5	8	2
21	7	M	3	2	3	2	8	5	4	2	2	1	1	0	1	3	2	2	3	2	3	4	2	2	3
22	3	4	2	3	3	4	7	5	4	1	2	1	1	1	1	1	1	2	2	1	1	2	2	2	2
23	3	4	2	3	2	2	2	4	2	2	2	1	1	1	1	3	3	2	2	3	4	4	3	2	2
24	4	3	2	2	3	1	2	2	2	1	1	1	1	1	2	6	10	12	8	37	21	24	19	10	7
25	10	5	12	13	5	5	5	5	3	2	2	2	2	1	2	1	1	5	6	4	1	3	8	8	5
26	9	12	12	17	19	15	19	20	18	9	17	13	4	4	3	2	7	4	6	4	4	11	38	14	12
27	4	7	5	5	8	7	13	12	12	16	7	3	2	3	4	2	4	9	12	11	5	12	3	10	7
28	7	8	3	4	3	4	4	6	7	6	5	3	3	4	2	5	10	6	4	4	5	13	4	6	5
29	12	22	23	23	21	18	20	14	14	15	9	7	10	7	M	0	0	0	0	0	0	0	0	0	9
30	0	0	0	0	0	0	0	0	1	0	0	0	1	3	1	0	0	0	2	2	4	0	1	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		
4	2	5	2	16	23	30	38	0	-	99	0	-	17	3	99	0

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

Appendix C Summary Results on Water Quality Monitoring

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

Period : April - June 2023

Week Ending	No. of Samples	Suspended Solids, mg/L			pH		
		Maximum	Minimum	Average	Maximum	Minimum	Average
01/04/23	3*	23	10	16	8.6	8.1	8.3
08/04/23	3*	13	9	11	8.5	8.4	8.5
15/04/23	4*	15	8	13	8.6	8.5	8.6
22/04/23	3*	16	7	11	8.4	8.4	8.4
29/04/23	2*	10	10	10	8.3	8.2	8.3
06/05/23	3*	18	13	15	8.7	8.7	8.7
13/05/23	5*	18	10	14	8.8	8.6	8.7
20/05/23	3*	25	13	17	8.5	8.1	8.3
27/05/23	0*	N/A	N/A	N/A	N/A	N/A	N/A
03/06/23	5*	10	5	7	8.6	8.5	8.6
10/06/23	5*	18	3	10	8.7	8.6	8.7
17/06/23	5*	7	2	4	8.6	8.5	8.6
24/06/23	4*	15	3	9	8.6	8.5	8.5

Remark :

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

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

Period : April – June 2023

Sampling date		12/4/2023	5/5/2023	7/6/2023
Barium,	ug/L	<150	<150	<150
Mercury,	ug/L	<0.5	<0.5	<0.5
Cadmium,	ug/L	1.1	<1.0	<1.0
Iron,	ug/L	<400	<400	<400
Total Phosphorous,	mg/L	<0.8	<0.8	<0.8
Total Nitrogen,	mg/L	44	44	36
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