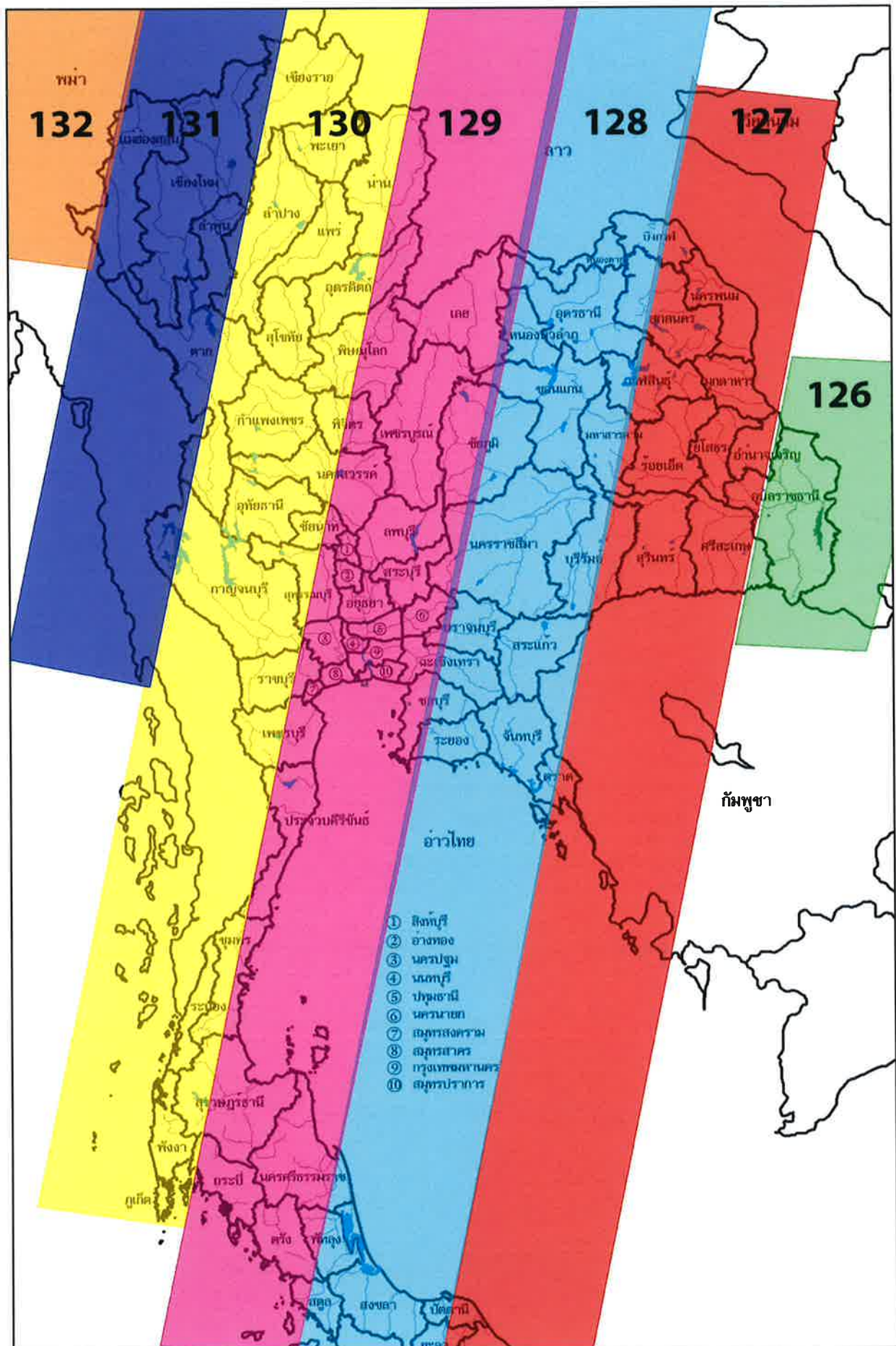


ภาคผนวก ค

เอกสารประกอบผลการปฏิบัติตาม
มาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

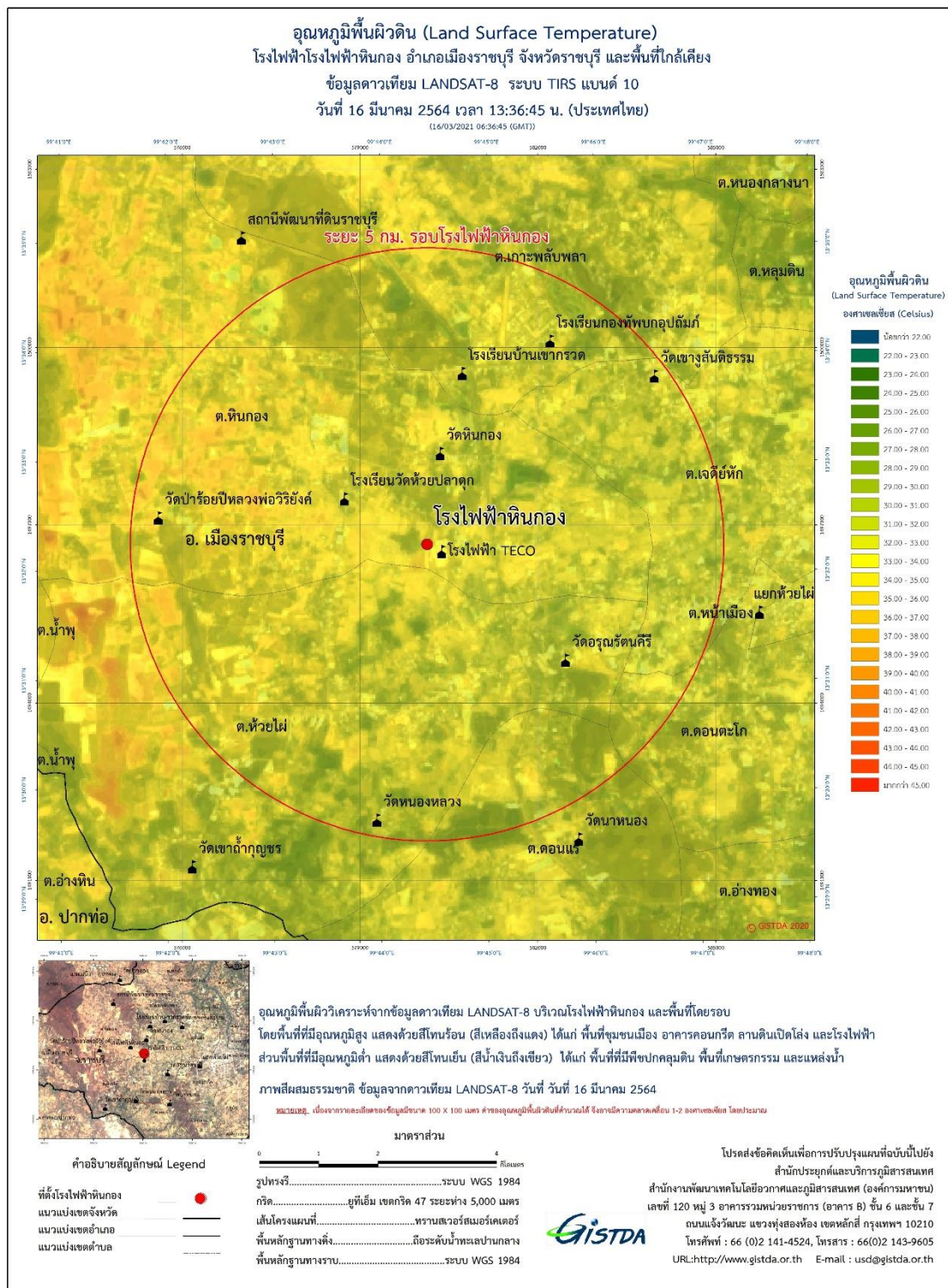
ภาคผนวก ก.1

ผลการติดตามตรวจสอบความร้อนจากโรงไฟฟ้า
(ดัชนีภาพ และตารางการโคจรของดาวเทียม Landsat-8
บริเวณประเทศไทย)



LANDSAT-8 Thailand 2021

PATH	125	116	123	114	121	128	119	126	117	124	115	122	129	120	127	118
	141	132	139	130	137	144	135	142	133	140	131	138	145	136	143	134
JANUARY (31)										1	2	3	4	5	6	7
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	24	25	26	27	28	29	30	31								
FEBRUARY (59)									1	2	3	4	5	6	7	8
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	25	26	27	28												
MARCH (90)					1	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	29	30	31													
APRIL (120)				1	2	3	4	5	6	7	8	9	10	11	12	13
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	30															
MAY (151)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JUNE (181)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
JULY (212)															1	2
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	19	20	21	22	23	24	25	26	27	28	29	30	31			
AUGUST (243)														1	2	3
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	20	21	22	23	24	25	26	27	28	29	30	31				
SEPTEMBER (273)													1	2	3	4
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30						
OCTOBER (304)											1	2	3	4	5	6
	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	23	24	25	26	27	28	29	30	31							
NOVEMBER (334)										1	2	3	4	5	6	7
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	24	25	26	27	28	29	30									
DECEMBER (365)								1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	26	27	28	29	30	31										



ภาพที่ 5 อุณหภูมิพื้นผิวดิน (Land Surface Temperature) ข้อมูลจากดาวเทียม Landsat-8TIRS, band 10
บันทึกภาพเมื่อวันที่ 16 มีนาคม 2564 ซ้อนทับกับภาพสีผสมธรรมชาติ ข้อมูลจากดาวเทียม Landsat-8
บันทึกภาพวันที่ 16 มีนาคม 2564

ภาคผนวก ง

หนังสือรับรองผลการตรวจวัดและวิเคราะห์



Meteorological Monitoring Results : Wind Rose

MTR-HKP Pre-Con

Location : The Project Site

Monitor period : 18-25 Jan 2021

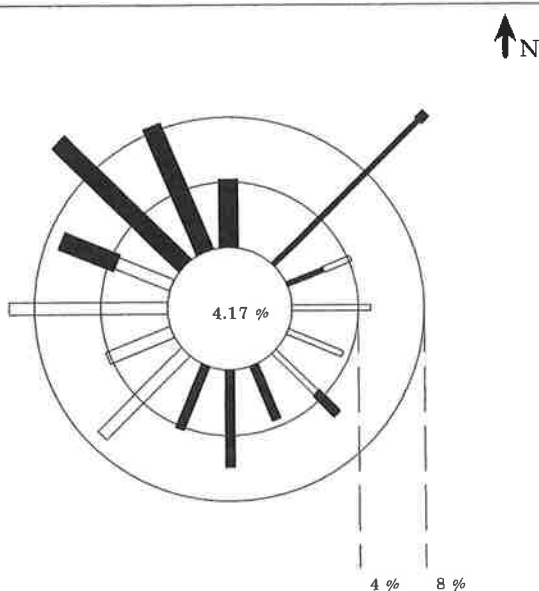
Wind Speed Model : Novalynx 200WS-02E

Serial No : WS-01

Wind Direction Model : Novalynx 200WS-02E

Serial No : WS-01

Direction	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.5-1 m/s	1-2 m/s	2-3 m/s	3-4 m/s	4-6 m/s	More than 6	
N	0.0000	0.0000	0.0000	0.0000	0.0417	0.0000	0.0417
NNE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NE	0.1250	0.0000	0.0060	0.0000	0.0000	0.0000	0.1310
ENE	0.0238	0.0179	0.0000	0.0000	0.0000	0.0000	0.0417
E	0.0000	0.0476	0.0000	0.0000	0.0000	0.0000	0.0476
ESE	0.0000	0.0357	0.0000	0.0000	0.0000	0.0000	0.0357
SE	0.0000	0.0357	0.0179	0.0000	0.0000	0.0000	0.0536
SSE	0.0000	0.0000	0.0357	0.0000	0.0000	0.0000	0.0357
S	0.0000	0.0000	0.0595	0.0000	0.0000	0.0000	0.0595
SSW	0.0000	0.0000	0.0417	0.0000	0.0000	0.0000	0.0417
SW	0.0000	0.0000	0.0000	0.0714	0.0000	0.0000	0.0714
WSW	0.0000	0.0000	0.0000	0.0417	0.0000	0.0000	0.0417
W	0.0000	0.0000	0.0000	0.0952	0.0000	0.0000	0.0952
WNW	0.0000	0.0000	0.0000	0.0357	0.0357	0.0000	0.0714
NW	0.0000	0.0000	0.0000	0.0000	0.1071	0.0000	0.1071
NNW	0.0000	0.0000	0.0000	0.0000	0.0833	0.0000	0.0833
CALM	0.0417						



Application : WindPro Ver.1.0

Control : 16 Direction Calculation With

Calm Wind < 0.5 m/s

Data Unit : Direction in Deg.

Wind Speed in m/s



NOTE : Frequencies indicate direction from which the wind is blowing

File Control : R:\Database\Windrose\FileControl\Win-221015-The Project Site 18-25 Jan 2021

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

Preeda S.
(Miss Preeda Somjai)
Technical Management Team



Meteorological Monitoring Results : Wind Rose

MTR-HKP Pre-Con

Location : The Project Site

Monitor period : 18-25 Jan 2021

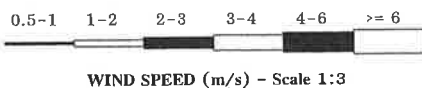
Wind Speed Model : Novalynx 200WS-02E

Serial No : WS-01

Wind Direction Model : Novalynx 200WS-02E

Serial No : WS-01

Time	18-19 Jan 2021		19-20 Jan 2021		20-21 Jan 2021		21-22 Jan 2021	
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD
10:00 - 11:00	2.4	NE	0.5	NE	0.7	NE	4.3	NW
11:00 - 12:00	0.7	NE	4.2	WNW	0.7	NE	0.8	NE
12:00 - 13:00	4.9	N	4.8	N	1.6	ESE	1.3	E
13:00 - 14:00	1.1	E	0.6	NE	0.9	ENE	0.6	NE
14:00 - 15:00	0.3	NNE	0.8	ENE	2.0	SE	1.1	ENE
15:00 - 16:00	0.6	NE	0.7	NE	1.1	ENE	1.4	ESE
16:00 - 17:00	0.6	NE	0.8	NE	1.3	E	1.1	ENE
17:00 - 18:00	0.8	NE	0.8	ENE	1.2	E	1.4	E
18:00 - 19:00	0.2	NNE	0.7	NE	0.7	NE	2.6	S
19:00 - 20:00	0.1	N	4.8	NNW	2.8	SSW	4.0	WNW
20:00 - 21:00	3.9	WNW	4.8	NNW	3.7	W	3.7	W
21:00 - 22:00	3.1	SW	3.6	W	3.6	W	4.5	NW
22:00 - 23:00	3.2	SW	3.3	SW	4.6	NNW	2.6	S
23:00 - 24:00	2.6	S	2.6	S	4.6	NNW	2.6	S
00:00 - 01:00	4.7	NNW	2.5	S	3.7	W	4.8	NNW
01:00 - 02:00	3.4	WSW	4.9	N	4.5	NW	3.2	SW
02:00 - 03:00	4.5	NW	3.7	W	4.5	NW	3.9	W
03:00 - 04:00	4.8	NNW	5.0	N	4.7	NNW	2.9	SSW
04:00 - 05:00	4.5	NW	2.5	S	2.9	SSW	3.0	SW
05:00 - 06:00	4.6	NNW	2.0	SE	4.8	NNW	2.9	SSW
06:00 - 07:00	4.4	NW	4.4	NW	3.7	W	4.0	WNW
07:00 - 08:00	4.7	NNW	4.9	N	3.1	SW	3.3	WSW
08:00 - 09:00	4.9	N	4.4	NW	2.9	SSW	4.1	WNW
09:00 - 10:00	0.6	NE	4.3	NW	4.1	WNW	4.3	NW
Wind Rose								



File Control :R:\Database\Windrose\FileControl\Win-221015-The Project Site 18-25 Jan 2021

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Meteorological Monitoring Results : Wind Rose

MTR-HKP Pre-Con

Location : The Project Site

Monitor period : 18-25 Jan 2021

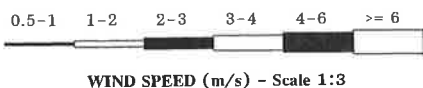
Wind Speed Model : Novalynx 200WS-02E

Serial No : WS-01

Wind Direction Model : Novalynx 200WS-02E

Serial No : WS-01

Time	22-23 Jan 2021		23-24 Jan 2021		24-25 Jan 2021		
	WS(m/s)	WD	WS(m/s)	WD	WS(m/s)	WD	
10:00 - 11:00	3.6	WSW	1.4	E	1.8	SE	
11:00 - 12:00	0.8	NE	0.5	NNE	2.0	SE	
12:00 - 13:00	0.7	NE	2.1	SSE	1.5	ESE	
13:00 - 14:00	0.8	ENE	1.7	SE	2.3	SSE	
14:00 - 15:00	0.7	NE	1.6	ESE	1.6	ESE	
15:00 - 16:00	0.4	NNE	2.2	SSE	0.7	NE	
16:00 - 17:00	1.1	E	2.3	SSE	1.6	ESE	
17:00 - 18:00	1.1	E	2.2	SSE	2.0	SE	
18:00 - 19:00	2.4	S	1.9	SE	2.5	S	
19:00 - 20:00	4.0	WNW	2.4	S	2.0	SE	
20:00 - 21:00	3.6	W	2.9	SSW	2.3	SSE	
21:00 - 22:00	3.1	SW	3.9	WNW	3.8	W	
22:00 - 23:00	3.3	SW	0.5	NE	3.4	WSW	
23:00 - 24:00	2.7	SSW	4.2	NW	4.6	NNW	
00:00 - 01:00	4.3	NW	4.2	WNW	4.9	N	
01:00 - 02:00	3.7	W	0.1	N	0.2	NNE	
02:00 - 03:00	3.6	WSW	3.8	W	4.4	NW	
03:00 - 04:00	4.7	NNW	0.5	NE	4.4	NW	
04:00 - 05:00	3.1	SW	4.2	WNW	4.5	NW	
05:00 - 06:00	3.8	W	3.2	SW	3.6	W	
06:00 - 07:00	3.3	SW	3.9	W	3.3	SW	
07:00 - 08:00	3.7	W	3.4	WSW	3.4	WSW	
08:00 - 09:00	4.2	NW	4.1	WNW	4.5	NW	
09:00 - 10:00	4.0	WNW	1.9	SE	4.7	NNW	
Wind Rose							



File Control :R:\Database\Windrose\FileControl\Win-221015-The Project Site 18-25 Jan 2021

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

Preeda S.
(Miss Preeda Somjai)
Technical Management Team



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800

239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: Hin Kong Power Co., Ltd.	REFERENCE NO.	: HKP-221015-Cert Amb/TSP-Jan21
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 18-25/01/2021
RECEIVED DATE	: 27/01/2021	ANALYTICAL DATE	: 27-29/01/2021
REPORT DATE	: 01/02/2021	SAMPLE CONDITION	: Normal
STATION DESCRIPTION	1. Hin Kong Temple 2. Huai Phai Temple 3. Huai Pladuk School 4. Chedi Hak Health Promoting Hospital (Ban Huai Mu) 5. The Project Site		

PARAMETER	SAMPLING DATE	UNITS	RESULTS					STANDARD*	REFERENCE METHODS
			1	2	3	4	5		
TSP (24 hr.)	18-19/01/2021	mg/m ³	0.150	0.140	0.158	0.121	0.136	0.330	High Volume
	19-20/01/2021	mg/m ³	0.137	0.130	0.138	0.122	0.106		Air Sampler/
	20-21/01/2021	mg/m ³	0.141	0.162	0.152	0.121	0.146		Gravimetric Method
	21-22/01/2021	mg/m ³	0.154	0.161	0.162	0.133	0.147		
	22-23/01/2021	mg/m ³	0.131	0.158	0.170	0.181	0.138		
	23-24/01/2021	mg/m ³	0.106	0.124	0.123	0.126	0.115		
	24-25/01/2021	mg/m ³	0.111	0.101	0.114	0.075	0.086		

Phatchara Samanchan

(Miss Phatchara Samanchan)

Analyst

Narisa Poowasanpet

(Miss Narisa Poowasanpet)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. * Notification of the National Environment Board, No.24, B.E.2547.



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพฯ 10800

239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

TEL : +66(0) 2959-3600 FAX : +66(0) 2959-3535 E-mail : envserv@secot.co.th

AMBIENT AIR QUALITY ANALYSIS REPORT

CLIENT NAME	: Hin Kong Power Co., Ltd.	REFERENCE NO.	: HKP-221015-Cert Amb/PM-10-Jan21
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING DATE	: 18-25/01/2021
RECEIVED DATE	: 27/01/2021	ANALYTICAL DATE	: 27-29/01/2021
REPORT DATE	: 01/02/2021	SAMPLE CONDITION	: Normal
STATION DESCRIPTION	1. Hin Kong Temple 2. Huai Phai Temple 3. Huai Pladuk School 4. Chedi Hak Health Promoting Hospital (Ban Huai Mu) 5. The Project Site		

PARAMETER	SAMPLING DATE	UNITS	RESULTS					STANDARD*	REFERENCE METHODS
			1	2	3	4	5		
PM-10 (24 hr.)	18-19/01/2021	mg/m ³	0.082	0.078	0.090	0.077	0.074	0.120	High Volume
	19-20/01/2021	mg/m ³	0.086	0.079	0.074	0.079	0.074		Air Sampler/
	20-21/01/2021	mg/m ³	0.093	0.098	0.091	0.082	0.088		(Hi-Vol PM-10
	21-22/01/2021	mg/m ³	0.084	0.098	0.087	0.073	0.078		Size Selective Inlet)/
	22-23/01/2021	mg/m ³	0.085	0.100	0.097	0.090	0.081		Gravimetric Method
	23-24/01/2021	mg/m ³	0.073	0.085	0.083	0.065	0.070		
	24-25/01/2021	mg/m ³	0.066	0.071	0.082	0.056	0.055		

Phatchara Samanchan
(Miss Phatchara Samanchan)

Analyst

Narin Poowasanpetch
(Miss Narisa Poowasanpetch)

Technical Management Team

Remark : 1. Reported analysis refers to submitted sample only.

2. This report shall not be reproduced, except in full, without official approval.

3. * Notification of the National Environment Board, No.24, B.E.2547.



Ambient Air Monitoring Results : Nitrogen dioxide MTR-HKP Pre-Con

Location : Hin Kong Temple

Monitor Period : 18-25 Jan 2021

Analyzer Model : API 200A

Station No : SCT-15

Serial No : 1614

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 15 Jan 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 14 Jan 2022

Time	NO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
13:00 - 14:00	0.0145	0.0136	0.0103	0.0116	0.0114	0.0107	0.0130
14:00 - 15:00	0.0083	0.0102	0.0120	0.0116	0.0083	0.0121	0.0134
15:00 - 16:00	0.0159	0.0109	0.0136	0.0109	0.0086	0.0097	0.0110
16:00 - 17:00	0.0132	0.0100	0.0128	0.0090	0.0121	0.0095	0.0099
17:00 - 18:00	0.0125	0.0122	0.0139	0.0121	0.0117	0.0115	0.0109
18:00 - 19:00	0.0085	0.0130	0.0154	0.0116	0.0150	0.0113	0.0145
19:00 - 20:00	0.0141	0.0146	0.0122	0.0129	0.0118	0.0122	0.0115
20:00 - 21:00	0.0125	0.0142	0.0113	0.0117	0.0103	0.0124	0.0124
21:00 - 22:00	0.0123	0.0132	0.0120	0.0115	0.0094	0.0088	0.0122
22:00 - 23:00	0.0092	0.0127	0.0117	0.0137	0.0098	0.0090	0.0117
23:00 - 00:00	0.0104	0.0123	0.0098	0.0133	0.0107	0.0105	0.0125
00:00 - 01:00	0.0120	0.0123	0.0095	0.0160	0.0107	0.0109	0.0098
01:00 - 02:00	0.0104	0.0120	0.0125	0.0081	0.0118	0.0092	0.0090
02:00 - 03:00	0.0099	0.0099	0.0112	0.0105	0.0122	0.0096	0.0086
03:00 - 04:00	0.0111	0.0091	0.0108	0.0096	0.0117	0.0085	0.0085
04:00 - 05:00	0.0100	0.0107	0.0099	0.0084	0.0125	0.0102	0.0098
05:00 - 06:00	0.0091	0.0114	0.0112	0.0150	0.0143	0.0102	0.0131
06:00 - 07:00	0.0145	0.0127	0.0095	0.0171	0.0133	0.0113	0.0111
07:00 - 08:00	0.0112	0.0117	0.0085	0.0121	0.0117	0.0144	0.0091
08:00 - 09:00	0.0154	0.0105	0.0114	0.0142	0.0109	0.0126	0.0095
09:00 - 10:00	0.0116	0.0118	0.0123	0.0089	0.0103	0.0114	0.0121
10:00 - 11:00	0.0130	0.0104	0.0119	0.0084	0.0122	0.0115	0.0094
11:00 - 12:00	0.0137	0.0085	0.0124	0.0113	0.0098	0.0105	0.0139
12:00 - 13:00	0.0131	0.0132	0.0158	0.0093	0.0113	0.0101	0.0139
Average-24Hr*	0.0119	0.0117	0.0117	0.0116	0.0113	0.0108	0.0113
Max-1Hr	0.0159	0.0146	0.0158	0.0171	0.0150	0.0144	0.0145
Min-1Hr	0.0083	0.0085	0.0085	0.0081	0.0083	0.0085	0.0085
Standard-1Hr	0.17 ppm(320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 13:00-13:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Ambient Air Monitoring Results : Nitrogen dioxide MTR-HKP Pre-Con

Location : Huai Phai Temple

Monitor Period : 18-25 Jan 2021

Analyzer Model : Thermo 42C

Station No : SCT-16

Serial No : 76405-383

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 11 Jan 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 10 Jan 2022

Time	NO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
11:00 - 12:00	0.0127	0.0111	0.0090	0.0128	0.0087	0.0131	0.0130
12:00 - 13:00	0.0113	0.0111	0.0088	0.0116	0.0080	0.0135	0.0132
13:00 - 14:00	0.0129	0.0103	0.0091	0.0137	0.0093	0.0139	0.0128
14:00 - 15:00	0.0150	0.0100	0.0109	0.0136	0.0086	0.0128	0.0128
15:00 - 16:00	0.0135	0.0115	0.0098	0.0107	0.0080	0.0123	0.0131
16:00 - 17:00	0.0122	0.0096	0.0098	0.0095	0.0083	0.0150	0.0128
17:00 - 18:00	0.0119	0.0094	0.0108	0.0092	0.0085	0.0134	0.0126
18:00 - 19:00	0.0110	0.0092	0.0109	0.0100	0.0088	0.0126	0.0131
19:00 - 20:00	0.0113	0.0095	0.0103	0.0100	0.0116	0.0113	0.0122
20:00 - 21:00	0.0108	0.0094	0.0094	0.0093	0.0138	0.0092	0.0119
21:00 - 22:00	0.0105	0.0095	0.0096	0.0089	0.0132	0.0091	0.0124
22:00 - 23:00	0.0101	0.0096	0.0125	0.0080	0.0159	0.0092	0.0123
23:00 - 00:00	0.0106	0.0103	0.0119	0.0078	0.0137	0.0090	0.0124
00:00 - 01:00	0.0119	0.0105	0.0103	0.0085	0.0129	0.0090	0.0136
01:00 - 02:00	0.0126	0.0096	0.0112	0.0083	0.0102	0.0093	0.0136
02:00 - 03:00	0.0122	0.0095	0.0116	0.0085	0.0092	0.0101	0.0134
03:00 - 04:00	0.0107	0.0094	0.0112	0.0090	0.0088	0.0102	0.0134
04:00 - 05:00	0.0099	0.0093	0.0112	0.0120	0.0088	0.0101	0.0128
05:00 - 06:00	0.0104	0.0091	0.0114	0.0149	0.0092	0.0095	0.0124
06:00 - 07:00	0.0114	0.0089	0.0123	0.0114	0.0090	0.0097	0.0135
07:00 - 08:00	0.0129	0.0089	0.0116	0.0087	0.0089	0.0097	0.0143
08:00 - 09:00	0.0131	0.0089	0.0139	0.0102	0.0091	0.0092	0.0141
09:00 - 10:00	0.0112	0.0089	0.0148	0.0101	0.0091	0.0094	0.0134
10:00 - 11:00	0.0102	0.0090	0.0125	0.0090	0.0087	0.0096	0.0134
Average-24Hr*	0.0117	0.0097	0.0110	0.0102	0.0100	0.0108	0.0130
Max-1Hr	0.0150	0.0115	0.0148	0.0149	0.0159	0.0150	0.0143
Min-1Hr	0.0099	0.0089	0.0088	0.0078	0.0080	0.0090	0.0119
Standard-1Hr	0.17 ppm(320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 11:00-11:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Ambient Air Monitoring Results : Nitrogen dioxide

MTR-HKP Pre-Con

Location : Huai Pladuk School

Monitor Period : 18-25 Jan 2021

Analyzer Model : API 200A

Station No : SCT-17

Serial No : 2387

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 05 Jan 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 04 Jan 2022

Time	NO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
10:00 - 11:00	0.0073	0.0070	0.0047	0.0052	0.0040	0.0040	0.0058
11:00 - 12:00	0.0064	0.0064	0.0038	0.0044	0.0043	0.0034	0.0048
12:00 - 13:00	0.0061	0.0059	0.0039	0.0036	0.0027	0.0028	0.0030
13:00 - 14:00	0.0055	0.0060	0.0036	0.0033	0.0037	0.0031	0.0035
14:00 - 15:00	0.0059	0.0059	0.0038	0.0042	0.0049	0.0040	0.0038
15:00 - 16:00	0.0055	0.0061	0.0042	0.0049	0.0055	0.0062	0.0030
16:00 - 17:00	0.0063	0.0062	0.0061	0.0056	0.0050	0.0035	0.0040
17:00 - 18:00	0.0093	0.0092	0.0098	0.0115	0.0106	0.0055	0.0051
18:00 - 19:00	0.0148	0.0192	0.0179	0.0175	0.0169	0.0069	0.0057
19:00 - 20:00	0.0206	0.0109	0.0189	0.0196	0.0135	0.0057	0.0097
20:00 - 21:00	0.0079	0.0080	0.0094	0.0084	0.0089	0.0098	0.0110
21:00 - 22:00	0.0074	0.0070	0.0083	0.0115	0.0140	0.0079	0.0072
22:00 - 23:00	0.0072	0.0060	0.0066	0.0093	0.0141	0.0098	0.0062
23:00 - 00:00	0.0072	0.0058	0.0068	0.0066	0.0083	0.0078	0.0058
00:00 - 01:00	0.0076	0.0054	0.0064	0.0061	0.0081	0.0056	0.0053
01:00 - 02:00	0.0077	0.0061	0.0053	0.0056	0.0049	0.0051	0.0042
02:00 - 03:00	0.0077	0.0050	0.0040	0.0058	0.0043	0.0052	0.0036
03:00 - 04:00	0.0068	0.0046	0.0037	0.0038	0.0038	0.0044	0.0036
04:00 - 05:00	0.0079	0.0045	0.0039	0.0044	0.0048	0.0051	0.0036
05:00 - 06:00	0.0083	0.0060	0.0044	0.0055	0.0047	0.0060	0.0041
06:00 - 07:00	0.0083	0.0050	0.0065	0.0043	0.0075	0.0063	0.0042
07:00 - 08:00	0.0082	0.0065	0.0096	0.0051	0.0055	0.0053	0.0053
08:00 - 09:00	0.0081	0.0065	0.0100	0.0046	0.0043	0.0054	0.0067
09:00 - 10:00	0.0077	0.0056	0.0050	0.0035	0.0034	0.0055	0.0043
Average-24Hr*	0.0082	0.0069	0.0069	0.0069	0.0070	0.0056	0.0052
Max-1Hr	0.0206	0.0192	0.0189	0.0196	0.0169	0.0098	0.0110
Min-1Hr	0.0055	0.0045	0.0036	0.0033	0.0027	0.0028	0.0030
Standard-1Hr	0.17 ppm(320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 10:00-10:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Ambient Air Monitoring Results : Nitrogen dioxide MTR-HKP Pre-Con

Location : Chedi Hak Health Promoting Hospital (Ban Huai Mu)

Monitor Period : 18-25 Jan 2021

Analyzer Model : Teledyne T200

Station No : SCT-14

Serial No : 111

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 11 Jan 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 10 Jan 2022

Time	NO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
12:00 - 13:00	0.0097	0.0185	0.0144	0.0154	0.0148	0.0145	0.0129
13:00 - 14:00	0.0098	0.0183	0.0133	0.0142	0.0121	0.0129	0.0117
14:00 - 15:00	0.0098	0.0131	0.0105	0.0117	0.0124	0.0111	0.0111
15:00 - 16:00	0.0089	0.0111	0.0109	0.0120	0.0117	0.0097	0.0095
16:00 - 17:00	0.0091	0.0109	0.0124	0.0119	0.0125	0.0110	0.0096
17:00 - 18:00	0.0090	0.0112	0.0121	0.0118	0.0108	0.0097	0.0097
18:00 - 19:00	0.0096	0.0119	0.0119	0.0118	0.0130	0.0112	0.0106
19:00 - 20:00	0.0099	0.0118	0.0152	0.0152	0.0149	0.0120	0.0121
20:00 - 21:00	0.0135	0.0133	0.0225	0.0161	0.0235	0.0182	0.0127
21:00 - 22:00	0.0141	0.0153	0.0193	0.0166	0.0269	0.0188	0.0150
22:00 - 23:00	0.0148	0.0169	0.0245	0.0189	0.0280	0.0165	0.0170
23:00 - 00:00	0.0132	0.0181	0.0213	0.0196	0.0251	0.0193	0.0188
00:00 - 01:00	0.0145	0.0183	0.0174	0.0181	0.0175	0.0161	0.0202
01:00 - 02:00	0.0145	0.0178	0.0176	0.0187	0.0159	0.0158	0.0161
02:00 - 03:00	0.0141	0.0165	0.0174	0.0181	0.0141	0.0157	0.0142
03:00 - 04:00	0.0146	0.0153	0.0164	0.0168	0.0135	0.0163	0.0122
04:00 - 05:00	0.0119	0.0141	0.0144	0.0157	0.0148	0.0144	0.0113
05:00 - 06:00	0.0126	0.0120	0.0128	0.0138	0.0148	0.0125	0.0104
06:00 - 07:00	0.0135	0.0116	0.0129	0.0135	0.0141	0.0131	0.0100
07:00 - 08:00	0.0143	0.0112	0.0122	0.0126	0.0135	0.0145	0.0107
08:00 - 09:00	0.0133	0.0124	0.0121	0.0133	0.0117	0.0133	0.0106
09:00 - 10:00	0.0125	0.0143	0.0168	0.0154	0.0131	0.0146	0.0117
10:00 - 11:00	0.0128	0.0165	0.0159	0.0154	0.0139	0.0170	0.0143
11:00 - 12:00	0.0176	0.0158	0.0153	0.0158	0.0131	0.0119	0.0121
Average-24Hr*	0.0124	0.0144	0.0154	0.0151	0.0157	0.0142	0.0127
Max-1Hr	0.0176	0.0185	0.0245	0.0196	0.0280	0.0193	0.0202
Min-1Hr	0.0089	0.0109	0.0105	0.0117	0.0108	0.0097	0.0095
Standard-1Hr	0.17 ppm(320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 12:00-12:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Ambient Air Monitoring Results : Nitrogen dioxide MTR-HKP Pre-Con

Location : The Project Site	Monitor Period : 18-25 Jan 2021
Analyzer Model : API 200A	Station No : SCT-18
Serial No : 1505	Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E	Serial No : 587
Calibration Gas Cylinder I.D.: EB0108319	
Certified Date : 15 Feb 2021	Cal Concentration (ppb) : 0,100,200,400
Expire Date : 16 Feb 2022	

Time	NO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
10:00 - 11:00	0.0121	0.0083	0.0335	0.0076	0.0063	0.0056	0.0028
11:00 - 12:00	0.0133	0.0077	0.0075	0.0064	0.0061	0.0020	0.0012
12:00 - 13:00	0.0181	0.0072	0.0053	0.0036	0.0053	0.0024	0.0016
13:00 - 14:00	0.0121	0.0054	0.0037	0.0055	0.0039	0.0034	0.0017
14:00 - 15:00	0.0133	0.0045	0.0081	0.0050	0.0053	0.0028	0.0030
15:00 - 16:00	0.0164	0.0025	0.0071	0.0041	0.0049	0.0018	0.0027
16:00 - 17:00	0.0173	0.0052	0.0048	0.0045	0.0033	0.0024	0.0018
17:00 - 18:00	0.0113	0.0033	0.0067	0.0058	0.0056	0.0019	0.0014
18:00 - 19:00	0.0100	0.0055	0.0111	0.0069	0.0127	0.0024	0.0100
19:00 - 20:00	0.0109	0.0043	0.0101	0.0085	0.0085	0.0026	0.0041
20:00 - 21:00	0.0153	0.0052	0.0108	0.0092	0.0092	0.0100	0.0031
21:00 - 22:00	0.0149	0.0065	0.0122	0.0086	0.0136	0.0075	0.0039
22:00 - 23:00	0.0125	0.0066	0.0090	0.0081	0.0100	0.0062	0.0051
23:00 - 00:00	0.0105	0.0048	0.0076	0.0101	0.0085	0.0059	0.0051
00:00 - 01:00	0.0094	0.0035	0.0057	0.0105	0.0066	0.0063	0.0040
01:00 - 02:00	0.0096	0.0026	0.0047	0.0094	0.0060	0.0054	0.0032
02:00 - 03:00	0.0086	0.0024	0.0044	0.0074	0.0046	0.0050	0.0026
03:00 - 04:00	0.0092	0.0020	0.0029	0.0070	0.0045	0.0034	0.0025
04:00 - 05:00	0.0133	0.0023	0.0042	0.0047	0.0045	0.0033	0.0026
05:00 - 06:00	0.0105	0.0015	0.0021	0.0048	0.0038	0.0036	0.0026
06:00 - 07:00	0.0105	0.0019	0.0032	0.0042	0.0032	0.0052	0.0022
07:00 - 08:00	0.0116	0.0035	0.0081	0.0048	0.0047	0.0048	0.0028
08:00 - 09:00	0.0138	0.0039	0.0211	0.0045	0.0046	0.0059	0.0062
09:00 - 10:00	0.0092	0.0053	0.0124	0.0065	0.0047	0.0047	0.0069
Average-24Hr*	0.0122	0.0044	0.0086	0.0066	0.0063	0.0044	0.0035
Max-1Hr	0.0181	0.0083	0.0335	0.0105	0.0136	0.0100	0.0100
Min-1Hr	0.0086	0.0015	0.0021	0.0036	0.0032	0.0018	0.0012
Standard-1Hr	0.17 ppm (320 ug/cu.m)						
Standard-24Hr	-						

Remark : * Average time between 10:00-10:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Ambient Air Monitoring Results : Sulfur dioxide MTR-HKP Pre-Con

Location : Hin Kong Temple

Monitor Period : 18-25 Jan 2021

Analyzer Model : API 100A

Station No : SCT-15

Serial No : 382

Site Operator : Ms.Saitarn Phukiew

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 15 Jan 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 14 Jan 2022

Time	SO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
13:00 - 14:00	0.0015	0.0014	0.0019	0.0018	0.0020	0.0014	0.0018
14:00 - 15:00	0.0021	0.0020	0.0013	0.0019	0.0013	0.0014	0.0015
15:00 - 16:00	0.0017	0.0021	0.0010	0.0008	0.0019	0.0014	0.0020
16:00 - 17:00	0.0010	0.0015	0.0017	0.0014	0.0016	0.0009	0.0016
17:00 - 18:00	0.0014	0.0015	0.0021	0.0015	0.0021	0.0014	0.0020
18:00 - 19:00	0.0022	0.0020	0.0018	0.0020	0.0018	0.0021	0.0017
19:00 - 20:00	0.0019	0.0017	0.0015	0.0020	0.0014	0.0021	0.0014
20:00 - 21:00	0.0021	0.0016	0.0018	0.0018	0.0015	0.0018	0.0018
21:00 - 22:00	0.0018	0.0011	0.0022	0.0014	0.0016	0.0017	0.0022
22:00 - 23:00	0.0017	0.0020	0.0011	0.0012	0.0015	0.0015	0.0021
23:00 - 00:00	0.0017	0.0022	0.0019	0.0021	0.0012	0.0010	0.0014
00:00 - 01:00	0.0019	0.0021	0.0014	0.0016	0.0011	0.0014	0.0014
01:00 - 02:00	0.0015	0.0014	0.0010	0.0010	0.0018	0.0020	0.0017
02:00 - 03:00	0.0016	0.0014	0.0013	0.0022	0.0015	0.0015	0.0014
03:00 - 04:00	0.0022	0.0016	0.0013	0.0011	0.0012	0.0014	0.0018
04:00 - 05:00	0.0015	0.0020	0.0020	0.0012	0.0016	0.0021	0.0019
05:00 - 06:00	0.0022	0.0017	0.0015	0.0015	0.0020	0.0018	0.0022
06:00 - 07:00	0.0020	0.0020	0.0012	0.0016	0.0021	0.0012	0.0015
07:00 - 08:00	0.0019	0.0015	0.0015	0.0018	0.0012	0.0014	0.0018
08:00 - 09:00	0.0014	0.0020	0.0019	0.0018	0.0019	0.0018	0.0020
09:00 - 10:00	0.0011	0.0014	0.0016	0.0021	0.0014	0.0018	0.0018
10:00 - 11:00	0.0014	0.0016	0.0010	0.0022	0.0020	0.0020	0.0019
11:00 - 12:00	0.0020	0.0018	0.0019	0.0022	0.0010	0.0014	0.0014
12:00 - 13:00	0.0022	0.0021	0.0017	0.0018	0.0019	0.0014	0.0022
Average-24Hr*	0.0018	0.0017	0.0016	0.0017	0.0016	0.0016	0.0018
Max-1Hr	0.0022	0.0022	0.0022	0.0022	0.0021	0.0021	0.0022
Min-1Hr	0.0010	0.0011	0.0010	0.0008	0.0010	0.0009	0.0014
Standard-1Hr	0.30 ppm(780 ug/cu.m)						
Standard-24Hr	0.12 ppm(300 ug/cu.m)						

Remark : * Average time between 13:00-13:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Ambient Air Monitoring Results : Sulfur dioxide

MTR-HKP Pre-Con

Location : Huai Phai Temple

Monitor Period : 18-25 Jan 2021

Analyzer Model : Thermo 43C

Station No : SCT-16

Serial No : 60773-328-2

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 15 Feb 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 16 Feb 2022

Time	SO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
11:00 - 12:00	0.0019	0.0004	0.0034	0.0030	0.0027	0.0024	0.0013
12:00 - 13:00	0.0022	0.0002	0.0038	0.0021	0.0017	0.0037	0.0027
13:00 - 14:00	0.0032	0.0019	0.0016	0.0015	0.0005	0.0030	0.0026
14:00 - 15:00	0.0032	0.0015	0.0021	0.0017	0.0006	0.0023	0.0038
15:00 - 16:00	0.0022	0.0029	0.0020	0.0025	0.0033	0.0032	0.0032
16:00 - 17:00	0.0019	0.0027	0.0023	0.0023	0.0034	0.0025	0.0013
17:00 - 18:00	0.0019	0.0015	0.0040	0.0008	0.0013	0.0032	0.0027
18:00 - 19:00	0.0018	0.0013	0.0036	0.0017	0.0003	0.0007	0.0037
19:00 - 20:00	0.0020	0.0036	0.0021	0.0019	0.0024	0.0027	0.0026
20:00 - 21:00	0.0030	0.0025	0.0016	0.0025	0.0025	0.0026	0.0036
21:00 - 22:00	0.0020	0.0004	0.0019	0.0002	0.0004	0.0030	0.0039
22:00 - 23:00	0.0017	0.0029	0.0005	0.0037	0.0029	0.0017	0.0025
23:00 - 00:00	0.0018	0.0032	0.0033	0.0007	0.0020	0.0025	0.0022
00:00 - 01:00	0.0020	0.0020	0.0022	0.0034	0.0025	0.0021	0.0015
01:00 - 02:00	0.0012	0.0020	0.0002	0.0037	0.0004	0.0038	0.0006
02:00 - 03:00	0.0034	0.0035	0.0019	0.0032	0.0001	0.0011	0.0016
03:00 - 04:00	0.0031	0.0026	0.0022	0.0026	0.0026	0.0009	0.0027
04:00 - 05:00	0.0033	0.0026	0.0021	0.0029	0.0011	0.0039	0.0014
05:00 - 06:00	0.0028	0.0020	0.0016	0.0018	0.0004	0.0037	0.0033
06:00 - 07:00	0.0008	0.0036	0.0029	0.0018	0.0036	0.0031	0.0034
07:00 - 08:00	0.0006	0.0029	0.0025	0.0019	0.0014	0.0035	0.0023
08:00 - 09:00	0.0009	0.0023	0.0017	0.0038	0.0024	0.0022	0.0027
09:00 - 10:00	0.0015	0.0004	0.0036	0.0016	0.0028	0.0027	0.0028
10:00 - 11:00	0.0028	0.0015	0.0030	0.0038	0.0001	0.0039	0.0017
Average-24Hr*	0.0021	0.0021	0.0023	0.0023	0.0017	0.0027	0.0025
Max-1Hr	0.0034	0.0036	0.0040	0.0038	0.0036	0.0039	0.0039
Min-1Hr	0.0006	0.0002	0.0002	0.0002	0.0001	0.0007	0.0006
Standard-1Hr	0.30 ppm(780 ug/cu.m)						
Standard-24Hr	0.12 ppm(300 ug/cu.m)						

Remark : * Average time between 11:00-11:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Ambient Air Monitoring Results : Sulfur dioxide

MTR-HKP Pre-Con

Location : Huai Pladuk School

Monitor Period : 18-25 Jan 2021

Analyzer Model : API 100A

Station No : SCT-17

Serial No : 1716

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 05 Jan 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 04 Jan 2022

Time	SO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
10:00 - 11:00	0.0017	0.0005	0.0001	0.0001	0.0017	0.0001	0.0009
11:00 - 12:00	0.0020	0.0001	0.0002	0.0017	0.0017	0.0003	0.0010
12:00 - 13:00	0.0012	0.0003	0.0002	0.0012	0.0019	0.0004	0.0011
13:00 - 14:00	0.0012	0.0003	0.0002	0.0010	0.0011	0.0003	0.0012
14:00 - 15:00	0.0013	0.0003	0.0003	0.0006	0.0001	0.0005	0.0010
15:00 - 16:00	0.0013	0.0004	0.0003	0.0005	0.0002	0.0008	0.0014
16:00 - 17:00	0.0013	0.0005	0.0004	0.0004	0.0002	0.0008	0.0016
17:00 - 18:00	0.0013	0.0005	0.0005	0.0004	0.0004	0.0007	0.0015
18:00 - 19:00	0.0013	0.0004	0.0005	0.0005	0.0004	0.0007	0.0015
19:00 - 20:00	0.0012	0.0003	0.0003	0.0004	0.0004	0.0008	0.0015
20:00 - 21:00	0.0012	0.0003	0.0003	0.0003	0.0003	0.0010	0.0015
21:00 - 22:00	0.0012	0.0004	0.0003	0.0002	0.0002	0.0009	0.0014
22:00 - 23:00	0.0012	0.0003	0.0002	0.0003	0.0002	0.0008	0.0014
23:00 - 00:00	0.0012	0.0003	0.0002	0.0004	0.0003	0.0007	0.0012
00:00 - 01:00	0.0012	0.0002	0.0003	0.0004	0.0005	0.0010	0.0013
01:00 - 02:00	0.0012	0.0003	0.0003	0.0003	0.0003	0.0008	0.0013
02:00 - 03:00	0.0012	0.0003	0.0002	0.0003	0.0012	0.0002	0.0012
03:00 - 04:00	0.0011	0.0003	0.0003	0.0002	0.0004	0.0005	0.0016
04:00 - 05:00	0.0011	0.0003	0.0004	0.0002	0.0007	0.0009	0.0016
05:00 - 06:00	0.0011	0.0002	0.0001	0.0005	0.0025	0.0011	0.0017
06:00 - 07:00	0.0011	0.0001	0.0002	0.0009	0.0013	0.0002	0.0017
07:00 - 08:00	0.0011	0.0002	0.0002	0.0009	0.0003	0.0010	0.0016
08:00 - 09:00	0.0011	0.0004	0.0002	0.0009	0.0003	0.0007	0.0016
09:00 - 10:00	0.0024	0.0001	0.0001	0.0012	0.0003	0.0011	0.0016
Average-24Hr*	0.0013	0.0003	0.0003	0.0006	0.0007	0.0007	0.0014
Max-1Hr	0.0024	0.0005	0.0005	0.0017	0.0025	0.0011	0.0017
Min-1Hr	0.0011	0.0001	0.0001	0.0001	0.0001	0.0001	0.0009
Standard-1Hr	0.30 ppm(780 ug/cu.m)						
Standard-24Hr	0.12 ppm(300 ug/cu.m)						

Remark : * Average time between 10:00-10:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Ambient Air Monitoring Results : Sulfur dioxide MTR-HKP Pre-Con

Location : Chedi Hak Health Promoting Hospital (Ban Huai Mu)

Monitor Period : 18-25 Jan 2021

Analyzer Model : Thermo 43C

Station No : SCT-14

Serial No : 60771-32812

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 15 Feb 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 16 Feb 2022

Time	SO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
12:00 - 13:00	0.0024	0.0021	0.0028	0.0030	0.0036	0.0022	0.0016
13:00 - 14:00	0.0034	0.0021	0.0026	0.0027	0.0030	0.0025	0.0019
14:00 - 15:00	0.0020	0.0023	0.0028	0.0029	0.0033	0.0027	0.0015
15:00 - 16:00	0.0015	0.0025	0.0028	0.0032	0.0032	0.0022	0.0020
16:00 - 17:00	0.0018	0.0026	0.0029	0.0030	0.0034	0.0024	0.0024
17:00 - 18:00	0.0020	0.0025	0.0030	0.0031	0.0041	0.0027	0.0023
18:00 - 19:00	0.0029	0.0022	0.0027	0.0027	0.0037	0.0025	0.0023
19:00 - 20:00	0.0027	0.0025	0.0026	0.0024	0.0032	0.0030	0.0020
20:00 - 21:00	0.0026	0.0027	0.0028	0.0029	0.0034	0.0021	0.0020
21:00 - 22:00	0.0027	0.0027	0.0030	0.0030	0.0028	0.0021	0.0020
22:00 - 23:00	0.0036	0.0023	0.0026	0.0025	0.0024	0.0021	0.0019
23:00 - 00:00	0.0028	0.0023	0.0025	0.0023	0.0029	0.0022	0.0016
00:00 - 01:00	0.0031	0.0025	0.0025	0.0023	0.0028	0.0025	0.0017
01:00 - 02:00	0.0032	0.0022	0.0026	0.0022	0.0022	0.0025	0.0017
02:00 - 03:00	0.0026	0.0022	0.0024	0.0022	0.0023	0.0023	0.0017
03:00 - 04:00	0.0022	0.0019	0.0023	0.0022	0.0023	0.0021	0.0021
04:00 - 05:00	0.0018	0.0018	0.0021	0.0021	0.0030	0.0019	0.0022
05:00 - 06:00	0.0021	0.0019	0.0026	0.0021	0.0025	0.0019	0.0023
06:00 - 07:00	0.0017	0.0019	0.0019	0.0023	0.0022	0.0021	0.0025
07:00 - 08:00	0.0018	0.0024	0.0026	0.0023	0.0024	0.0024	0.0026
08:00 - 09:00	0.0011	0.0031	0.0029	0.0028	0.0024	0.0028	0.0024
09:00 - 10:00	0.0025	0.0030	0.0024	0.0032	0.0026	0.0022	0.0024
10:00 - 11:00	0.0025	0.0024	0.0024	0.0030	0.0028	0.0021	0.0019
11:00 - 12:00	0.0023	0.0025	0.0029	0.0030	0.0026	0.0021	0.0019
Average-24Hr*	0.0024	0.0024	0.0026	0.0026	0.0029	0.0023	0.0020
Max-1Hr	0.0036	0.0031	0.0030	0.0032	0.0041	0.0030	0.0026
Min-1Hr	0.0011	0.0018	0.0019	0.0021	0.0022	0.0019	0.0015
Standard-1Hr	0.30 ppm(780 ug/cu.m)						
Standard-24Hr	0.12 ppm(300 ug/cu.m)						

Remark : * Average time between 12:00-12:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Ambient Air Monitoring Results : Sulfur dioxide MTR-HKP Pre-Con

Location : The Project Site

Monitor Period : 18-25 Jan 2021

Analyzer Model : API 100A

Station No : SCT-18

Serial No : 342

Site Operator : Mr. Song Hengchwankun

Calibrator Model : Teledyne 700E

Serial No : 587

Calibration Gas Cylinder I.D.: EB0108319

Certified Date : 05 Jan 2021

Cal Concentration (ppb) : 0,100,200,400

Expire Date : 04 Jan 2022

Time	SO2 Concentration (ppm)						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
10:00 - 11:00	0.0009	0.0011	0.0015	0.0011	0.0010	0.0010	0.0007
11:00 - 12:00	0.0013	0.0012	0.0009	0.0009	0.0009	0.0010	0.0007
12:00 - 13:00	0.0009	0.0014	0.0009	0.0006	0.0011	0.0011	0.0009
13:00 - 14:00	0.0009	0.0012	0.0009	0.0009	0.0011	0.0011	0.0011
14:00 - 15:00	0.0009	0.0010	0.0009	0.0006	0.0008	0.0008	0.0011
15:00 - 16:00	0.0009	0.0012	0.0006	0.0011	0.0011	0.0011	0.0013
16:00 - 17:00	0.0008	0.0014	0.0009	0.0010	0.0008	0.0011	0.0012
17:00 - 18:00	0.0015	0.0014	0.0008	0.0010	0.0011	0.0009	0.0014
18:00 - 19:00	0.0012	0.0014	0.0009	0.0011	0.0014	0.0011	0.0010
19:00 - 20:00	0.0012	0.0011	0.0008	0.0008	0.0014	0.0009	0.0008
20:00 - 21:00	0.0011	0.0011	0.0009	0.0011	0.0014	0.0009	0.0007
21:00 - 22:00	0.0012	0.0014	0.0005	0.0008	0.0011	0.0010	0.0007
22:00 - 23:00	0.0012	0.0013	0.0010	0.0009	0.0011	0.0012	0.0009
23:00 - 00:00	0.0009	0.0014	0.0010	0.0009	0.0011	0.0009	0.0012
00:00 - 01:00	0.0009	0.0010	0.0007	0.0010	0.0011	0.0006	0.0009
01:00 - 02:00	0.0008	0.0012	0.0013	0.0013	0.0009	0.0005	0.0008
02:00 - 03:00	0.0019	0.0012	0.0011	0.0010	0.0009	0.0006	0.0009
03:00 - 04:00	0.0015	0.0015	0.0009	0.0013	0.0008	0.0006	0.0009
04:00 - 05:00	0.0018	0.0015	0.0012	0.0009	0.0008	0.0009	0.0008
05:00 - 06:00	0.0018	0.0014	0.0013	0.0009	0.0011	0.0006	0.0008
06:00 - 07:00	0.0015	0.0015	0.0010	0.0011	0.0010	0.0009	0.0009
07:00 - 08:00	0.0013	0.0012	0.0005	0.0014	0.0010	0.0009	0.0012
08:00 - 09:00	0.0010	0.0016	0.0008	0.0010	0.0010	0.0017	0.0010
09:00 - 10:00	0.0010	0.0019	0.0008	0.0008	0.0012	0.0013	0.0011
Average-24Hr*	0.0012	0.0013	0.0009	0.0010	0.0011	0.0010	0.0009
Max-1Hr	0.0019	0.0019	0.0015	0.0014	0.0014	0.0017	0.0014
Min-1Hr	0.0008	0.0010	0.0005	0.0006	0.0008	0.0005	0.0007
Standard-1Hr	0.30 ppm(780 ug/cu.m)						
Standard-24Hr	0.12 ppm(300 ug/cu.m)						

Remark : * Average time between 10:00-10:00

(Miss Katesarin Vorradetwittaya)
 Environmental Scientist

(Miss Preeda Somjai)
 Technical Management Team



Noise Monitoring Result : Community Noise

MTR-HKP Per-con

Location : Moo 5 Ban Nong Rak

Monitor Period : 18-25 Jan 2021

SLM Model : RION NL-21

Serial No : 00487728

Site Operator : Mr. Song Hengchwankun

Calibrator Model : RION NC-74

Serial No : 34283648

Calibration Ref dB(A) : 94.0

Certified Date : Jan 07, 2021

SLM Reading / Adjust dB(A) : 93.7/0.3

Expire Date : Jan 06, 2022

Cal Sheet No.: NC-74-2021-003

Time	Equivalent Sound Pressure Level (dB(A))						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
15:00 - 16:00	45.70	48.00	49.40	48.10	49.90	50.90	48.90
16:00 - 17:00	48.30	49.90	51.10	52.20	49.30	51.80	48.10
17:00 - 18:00	50.30	50.10	52.40	51.80	50.00	52.00	49.80
18:00 - 19:00	52.60	48.90	50.00	49.80	48.80	50.90	48.70
19:00 - 20:00	47.70	47.20	48.80	48.50	49.30	48.70	48.70
20:00 - 21:00	46.30	45.20	45.40	45.40	47.00	46.50	44.60
21:00 - 22:00	45.20	43.60	44.10	44.40	46.70	44.60	46.40
22:00 - 23:00	46.50	43.80	44.50	44.30	44.70	45.20	43.30
23:00 - 00:00	42.80	46.70	44.20	43.70	44.70	44.60	40.70
00:00 - 01:00	39.70	38.80	46.50	44.40	52.80	43.40	38.20
01:00 - 02:00	41.60	43.80	44.40	41.50	43.20	43.00	40.70
02:00 - 03:00	45.70	42.30	43.40	44.90	43.20	44.30	42.20
03:00 - 04:00	42.10	43.90	43.50	43.40	43.40	43.60	45.90
04:00 - 05:00	43.20	44.60	47.00	45.60	44.90	45.90	45.00
05:00 - 06:00	46.70	49.50	48.80	49.30	47.90	49.00	52.10
06:00 - 07:00	50.70	52.20	52.80	54.20	59.20	53.00	51.80
07:00 - 08:00	51.00	52.50	51.90	55.00	52.00	52.90	52.00
08:00 - 09:00	50.90	50.10	53.50	50.00	58.50	51.00	50.90
09:00 - 10:00	49.30	49.30	49.80	51.20	51.40	59.50	50.60
10:00 - 11:00	48.10	46.30	51.60	49.70	48.10	50.50	47.70
11:00 - 12:00	47.20	48.50	48.30	47.90	48.00	48.70	47.90
12:00 - 13:00	50.40	49.60	48.30	47.90	45.80	49.20	48.10
13:00 - 14:00	50.30	47.80	48.90	50.60	51.70	51.00	46.30
14:00 - 15:00	48.20	49.00	49.20	48.50	49.60	51.30	47.40
Leq(24)*	48.21	48.20	49.27	49.40	51.23	50.85	48.21
Ldn	52.75	53.55	54.27	54.56	57.76	54.75	53.73
Lmax **	81.70	73.20	79.20	82.30	88.10	87.30	76.20
Standard-24Hr	70 dB(A)						
Standard-Max	115 dB(A)						

Remark : * Average time between 15:00-15:00

** Maximum Sound Pressure Level between 15:00-15:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

Preeda S.
(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Background Noise

MTR-HKP Per-con

Location : Moo 5 Ban Nong Rak

Monitor Period : 18-25 Jan 2021

SLM Model : RION NL-21

Serial No : 00487728

Site Operator : Mr. Song Hengchwankun

Calibrator Model : RION NC-74

Serial No : 34283648

Calibration Ref dB(A) : 94.0

Certified Date : Jan 07, 2021


SLM Reading / Adjust dB(A) : 93.7/0.3


Expire Date : Jan 06, 2022

Cal Sheet No.: NC-74-2021-003

Time	L90 (dB(A))						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
15:00 - 16:00	38.30	39.70	41.40	40.70	41.20	44.30	39.30
16:00 - 17:00	40.30	40.70	41.90	41.10	41.00	44.40	38.30
17:00 - 18:00	41.90	40.60	42.40	40.70	40.70	43.80	40.20
18:00 - 19:00	41.20	41.50	42.10	42.80	42.30	45.40	41.00
19:00 - 20:00	40.50	41.00	40.90	41.30	44.20	43.50	40.10
20:00 - 21:00	38.90	40.70	39.00	39.50	41.90	41.20	38.70
21:00 - 22:00	37.20	36.80	38.70	39.20	40.70	39.70	38.10
22:00 - 23:00	37.30	35.50	38.10	38.60	40.70	39.40	36.70
23:00 - 00:00	38.40	36.80	36.90	40.40	39.70	38.10	35.50
00:00 - 01:00	37.70	37.00	41.10	38.90	38.90	40.30	35.50
01:00 - 02:00	39.00	38.20	38.30	39.70	39.50	40.00	36.40
02:00 - 03:00	39.50	38.20	38.00	38.60	38.60	38.90	36.30
03:00 - 04:00	37.80	38.90	37.20	39.40	38.10	38.60	35.60
04:00 - 05:00	36.80	38.20	38.00	39.20	38.60	39.50	37.20
05:00 - 06:00	38.80	38.40	38.60	41.10	39.10	38.80	37.80
06:00 - 07:00	39.40	41.70	42.30	44.20	44.30	42.90	43.10
07:00 - 08:00	41.90	43.70	44.50	45.10	44.50	43.80	44.60
08:00 - 09:00	41.80	41.70	42.90	43.10	42.70	42.30	42.70
09:00 - 10:00	41.30	38.10	41.20	40.20	40.40	40.30	40.20
10:00 - 11:00	40.70	37.90	40.80	40.10	40.20	41.20	40.40
11:00 - 12:00	38.20	38.40	39.80	41.30	40.00	38.70	40.10
12:00 - 13:00	39.10	39.70	39.00	39.10	37.00	41.60	38.70
13:00 - 14:00	40.10	41.10	38.90	40.70	40.40	41.90	40.40
14:00 - 15:00	38.30	40.40	40.00	40.40	42.50	39.10	39.70
L90(avg)*	39.62	39.80	40.54	41.01	41.16	41.70	39.72

Remark : * Average time between 15:00-15:00


 (Miss Katesarin Vorradetwittaya)
 Environmental Scientist


 (Miss Preeda Somjai)
 Technical Management Team



Noise Monitoring Result : Community Noise

MTR-HKP Per-con

Location : Moo 8 Ban Nong Kham	Monitor Period : 18-25 Jan 2021
SLM Model : RION NL-21	Serial No : 00198274
Site Operator : Mr. Song Hengchwankun	
Calibrator Model : RION NC-74	Serial No : 34283648
Calibration Ref dB(A) : 94.0	Certified Date : 07 Jan 2021
SLM Reading / Adjust dB(A) : 93.8/0.2	Expire Date : 06 Jan 2022
Cal Sheet No.: NC-74-2021-003	

Time	Equivalent Sound Pressure Level (dB(A))						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
16:00 - 17:00	52.20	44.90	42.40	45.80	47.40	46.40	49.00
17:00 - 18:00	49.60	46.30	52.00	48.20	54.70	46.70	49.80
18:00 - 19:00	52.80	53.90	55.30	52.60	58.10	54.70	54.10
19:00 - 20:00	43.70	55.60	54.00	52.20	49.00	44.80	46.60
20:00 - 21:00	45.60	45.50	49.20	47.70	48.70	45.60	44.10
21:00 - 22:00	44.30	43.30	45.90	46.10	52.00	46.10	47.30
22:00 - 23:00	42.80	44.00	44.10	47.30	47.40	51.90	43.70
23:00 - 00:00	46.30	49.70	46.00	45.90	47.90	46.30	42.70
00:00 - 01:00	45.50	51.80	44.90	47.30	53.80	45.90	46.90
01:00 - 02:00	46.90	44.90	45.00	47.20	48.20	46.60	44.40
02:00 - 03:00	51.70	45.40	46.60	46.90	49.40	47.90	45.00
03:00 - 04:00	52.70	46.80	44.30	47.60	47.70	46.10	45.40
04:00 - 05:00	47.90	44.10	43.80	45.70	48.50	44.20	47.40
05:00 - 06:00	49.60	48.80	46.70	45.40	48.60	47.70	48.50
06:00 - 07:00	49.10	51.10	51.80	50.30	52.90	53.80	54.60
07:00 - 08:00	50.30	49.00	52.40	49.70	51.20	50.60	53.80
08:00 - 09:00	49.10	48.80	49.60	48.20	52.10	47.80	49.10
09:00 - 10:00	52.10	46.60	48.30	47.90	46.50	49.30	47.50
10:00 - 11:00	53.40	43.50	45.60	43.70	49.50	43.10	46.90
11:00 - 12:00	55.10	48.60	51.50	44.70	45.80	48.30	56.10
12:00 - 13:00	43.30	46.20	43.10	44.60	42.60	51.70	46.30
13:00 - 14:00	42.50	46.20	42.90	42.50	40.50	42.00	44.30
14:00 - 15:00	45.10	42.90	48.20	44.50	42.70	41.50	50.20
15:00 - 16:00	45.50	49.70	44.10	46.90	45.60	43.10	45.80
Leq(24)*	49.72	48.86	49.10	47.76	50.61	48.63	49.63
Ldn	55.58	54.87	53.80	53.83	56.58	55.30	55.00
Lmax **	83.60	80.20	78.00	71.20	83.30	82.40	77.00
Standard-24Hr	70 dB(A)						
Standard-Max	115 dB(A)						

Remark : * Average time between 16:00-16:00

** Maximum Sound Pressure Level between 16:00-16:00

(Miss Katesarin Vorradetwittaya)

 Environmental Scientist

(Miss Preeda Somjai)

 Technical Management Team



Noise Monitoring Result : Background Noise

MTR-HKP Per-con

Location : Moo 8 Ban Nong Kham

Monitor Period : 18-25 Jan 2021

SLM Model : RION NL-21

Serial No : 00198274

Site Operator : Mr. Song Hengchwankun

Calibrator Model : RION NC-74

Serial No : 34283648

Calibration Ref dB(A) : 94.0

Certified Date : 07 Jan 2021

SLM Reading / Adjust dB(A) : 93.8/0.2

Expire Date : 06 Jan 2022

Cal Sheet No.: NC-74-2021-003

Time	L90 (dB(A))						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
16:00 - 17:00	44.30	38.70	35.00	36.80	35.60	38.00	38.50
17:00 - 18:00	45.60	38.80	39.60	39.80	36.50	39.70	39.80
18:00 - 19:00	42.80	43.00	49.10	43.70	47.10	43.00	43.00
19:00 - 20:00	41.40	41.60	45.40	44.90	46.90	43.00	43.00
20:00 - 21:00	41.70	42.70	42.90	45.70	46.70	43.60	42.90
21:00 - 22:00	40.70	42.10	43.10	44.90	46.30	43.60	43.20
22:00 - 23:00	40.70	43.20	42.90	45.70	46.50	43.80	41.00
23:00 - 00:00	40.50	44.00	44.60	45.00	47.00	45.00	40.90
00:00 - 01:00	39.10	44.30	44.10	46.10	47.80	45.20	42.80
01:00 - 02:00	39.00	44.40	44.30	46.30	47.50	45.30	42.60
02:00 - 03:00	45.40	43.90	44.10	45.10	46.30	45.40	43.50
03:00 - 04:00	43.70	43.90	43.30	46.00	46.70	44.90	44.60
04:00 - 05:00	43.90	43.20	42.80	44.90	45.50	42.80	43.60
05:00 - 06:00	46.40	42.90	42.10	43.20	44.10	42.80	41.00
06:00 - 07:00	46.80	43.00	42.70	43.70	44.90	44.40	44.80
07:00 - 08:00	46.30	43.50	44.30	43.10	44.70	44.20	43.50
08:00 - 09:00	46.30	44.40	43.20	42.80	42.50	41.20	43.50
09:00 - 10:00	48.00	39.40	38.90	39.40	38.30	40.90	39.70
10:00 - 11:00	49.50	37.10	34.70	35.30	37.70	34.30	38.20
11:00 - 12:00	51.80	40.90	33.10	34.50	35.40	35.10	39.20
12:00 - 13:00	34.90	33.70	30.00	32.40	32.80	31.40	34.50
13:00 - 14:00	35.00	33.60	31.00	32.50	33.00	34.70	33.60
14:00 - 15:00	36.70	34.30	34.40	33.40	35.30	34.70	33.20
15:00 - 16:00	36.80	36.60	33.10	34.80	36.70	35.90	35.70
L90(avg)*	44.89	42.02	42.61	43.18	44.43	42.47	41.71

Remark : * Average time between 16:00-16:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Community Noise

MTR-HKP Per-con

Location : House Behind the Power Plant (Southern of the Project)

Monitor Period : 18-25 Jan 2021

SLM Model : RION NL-21

Serial No : 00198276

Site Operator : Mr. Song Hengchwankun

Calibrator Model : RION NC-74

Serial No : 34283648

Calibration Ref dB(A) : 94.0

Certified Date : 07 Jan 2021

SLM Reading / Adjust dB(A) : 94.2/-0.2

Expire Date : 06 Jan 2022

Cal Sheet No.: NC-74-2021-003

Time	Equivalent Sound Pressure Level (dB(A))						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
16:00 - 17:00	53.00	52.80	51.80	47.10	48.10	60.90	52.50
17:00 - 18:00	55.00	49.70	50.80	50.40	49.60	47.50	50.90
18:00 - 19:00	53.80	46.00	49.30	46.90	50.40	48.30	50.80
19:00 - 20:00	54.00	51.20	51.80	51.80	51.30	47.10	50.10
20:00 - 21:00	51.00	54.30	51.50	52.20	47.50	51.90	46.70
21:00 - 22:00	53.60	53.40	50.80	51.30	44.00	45.10	47.40
22:00 - 23:00	59.30	50.20	51.90	50.60	42.70	46.00	43.00
23:00 - 00:00	44.90	49.50	49.50	50.10	42.20	44.70	42.70
00:00 - 01:00	54.40	49.20	49.40	49.70	42.70	43.70	46.30
01:00 - 02:00	49.50	49.20	48.80	49.40	58.50	43.00	42.40
02:00 - 03:00	59.70	43.80	48.90	49.40	53.00	42.80	41.40
03:00 - 04:00	53.90	47.30	48.70	49.60	41.80	43.30	42.40
04:00 - 05:00	42.30	48.30	43.50	49.00	42.90	42.50	43.60
05:00 - 06:00	49.50	47.20	50.40	54.00	45.40	48.30	49.80
06:00 - 07:00	59.90	55.60	50.70	49.90	52.00	47.70	54.20
07:00 - 08:00	64.90	46.20	49.20	47.90	51.60	51.30	51.90
08:00 - 09:00	69.80	52.40	46.60	47.30	56.20	53.70	55.40
09:00 - 10:00	65.80	65.00	46.20	49.50	46.70	56.90	59.20
10:00 - 11:00	50.00	60.80	52.30	46.30	47.90	59.40	48.30
11:00 - 12:00	50.90	57.20	42.20	47.20	46.10	58.60	49.50
12:00 - 13:00	61.40	55.50	50.90	41.20	46.40	57.90	44.30
13:00 - 14:00	65.60	58.30	46.70	46.40	49.60	58.70	51.70
14:00 - 15:00	51.10	53.70	48.50	46.50	47.80	50.50	56.40
15:00 - 16:00	47.80	51.30	52.80	47.00	60.90	48.60	50.80
Leq(24)*	60.47	55.42	49.94	49.46	52.00	53.90	51.46
Ldn	63.86	58.41	56.04	56.67	57.81	55.52	55.21
Lmax **	92.10	85.60	82.60	82.40	81.20	83.10	83.00
Standard-24Hr	70 dB(A)						
Standard-Max	115 dB(A)						

Remark : * Average time between 16:00-16:00

** Maximum Sound Pressure Level between 16:00-16:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

Preeda S.
(Miss Preeda Somjai)
Technical Management Team



Noise Monitoring Result : Background Noise MTR-HKP Per-con

Location : House Behind the Power Plant (Southern of the Project)

Monitor Period : 18-25 Jan 2021

SLM Model : RION NL-21

Serial No : 00198276

Site Operator : Mr. Song Hengchwankun

Calibrator Model : RION NC-74

Serial No : 34283648

Calibration Ref dB(A) : 94.0

Certified Date : 07 Jan 2021

SLM Reading / Adjust dB(A) : 94.2/-0.2

Expire Date : 06 Jan 2022

Cal Sheet No.: NC-74-2021-003

Time	L90 (dB(A))						
	18-19 Jan 2021	19-20 Jan 2021	20-21 Jan 2021	21-22 Jan 2021	22-23 Jan 2021	23-24 Jan 2021	24-25 Jan 2021
16:00 - 17:00	43.30	46.90	41.90	38.70	41.50	39.30	39.90
17:00 - 18:00	40.40	36.50	42.20	40.00	41.50	38.40	42.90
18:00 - 19:00	39.20	40.70	43.20	41.60	44.10	41.50	42.50
19:00 - 20:00	39.40	43.50	45.30	44.10	45.40	44.40	43.80
20:00 - 21:00	39.50	44.00	50.00	50.80	43.30	42.80	43.10
21:00 - 22:00	39.10	47.30	50.00	50.70	42.10	42.90	41.90
22:00 - 23:00	37.90	49.10	49.30	50.00	41.40	41.90	41.80
23:00 - 00:00	36.30	48.70	44.10	49.20	41.30	42.10	41.10
00:00 - 01:00	36.60	42.00	48.40	48.90	41.80	42.60	42.20
01:00 - 02:00	46.50	48.30	48.10	48.40	40.90	41.60	40.90
02:00 - 03:00	40.80	40.00	47.60	48.90	42.20	41.60	40.40
03:00 - 04:00	40.60	40.30	47.80	48.80	41.10	42.50	41.60
04:00 - 05:00	38.60	41.00	40.50	45.00	41.50	40.60	41.60
05:00 - 06:00	36.00	42.60	42.00	40.40	41.80	42.20	43.10
06:00 - 07:00	39.20	40.30	39.50	40.20	41.50	41.20	42.40
07:00 - 08:00	41.60	42.30	42.60	42.70	43.40	43.60	43.70
08:00 - 09:00	42.30	45.60	39.80	40.40	42.30	39.90	45.80
09:00 - 10:00	42.30	51.50	38.20	37.60	39.90	49.00	47.90
10:00 - 11:00	42.40	38.50	36.80	38.30	40.20	51.50	40.90
11:00 - 12:00	39.60	41.60	35.20	35.00	32.90	35.00	36.10
12:00 - 13:00	42.30	35.40	33.20	32.60	32.80	35.40	30.50
13:00 - 14:00	42.50	40.60	36.20	37.20	39.70	47.40	43.70
14:00 - 15:00	39.00	37.30	34.70	37.70	41.30	38.90	46.90
15:00 - 16:00	39.20	39.30	37.50	38.90	47.70	39.50	40.30
L90(avg)*	40.90	44.73	44.90	45.73	42.20	43.72	42.88

Remark : * Average time between 16:00-16:00

(Miss Katesarin Vorradetwittaya)
Environmental Scientist

Preeda S.
(Miss Preeda Somjai)
Technical Management Team



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพมหานคร 10800

239 RIMKLONGPRAPA ROAD, BANGSUE, BANGKOK 10800, THAILAND

TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

SURFACE WATER ANALYSIS REPORT

CLIENT NAME	: Hin Kong Power Co., Ltd.	REQUEST SERVICE NO.	: 0080/64
	: Hin Kong Power Plant Project	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 08.45
SAMPLING DATE	: 19/01/2021	ANALYTICAL DATE	: 20-27/01/2021
RECEIVED DATE	: 20/01/2021	SITE OPERATOR	: Mr. Jirakon Limsila
REPORT DATE	: 27/01/2021	FILE CODE	: 221015_SW_January
SAMPLE CONDITION	: Normal		
LOCATION DESCRIPTION	: 1 = แม่น้ำแม่กลอง : เหนือจุดปล่อยน้ำทิ้งโครงการ 500 เมตร		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD ^{1/}
				1	
Temperature	°C	2550 B	< 0.5	24.4	n/
pH	-	4500-H ⁺ B	< 0.10	8.10	5 - 9
Conductivity	µS/cm	2510 B	< 1.0	304	-
Total Dissolved Solids	mg/l	2540 C	< 50	159	-
Total Suspended Solids	mg/l	2540 D	< 5	16	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	≤ 2.0
COD	mg/l	5220 D	< 40.00	< 40.00	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED. 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insorn)

Analyst

(Mrs. Araya Tipparuk)

Technical Management Team

- Remark :**
1. Reported analysis refers to submitted sample only.
 2. This report shall not be reproduced, except in full, without official approval.
 3. ^{1/} The Standard values of Surface Water Quality for class 3, notified by the National Environment Board No.8, B.E.2537 (1994).
 4. ^{n/} naturally but changing by no more than 3 °C.
 5. - Not available.



บริษัท ซีคอต จำกัด
SECOT CO., LTD.

239 ถนนริมคลองประปา แขวงบางซื่อ เขตบางซื่อ กรุงเทพมหานคร 10800

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SURFACE WATER ANALYSIS REPORT

CLIENT NAME	: Hin Kong Power Co., Ltd.	REQUEST SERVICE NO.	: 0080/64
	Hin Kong Power Plant Project	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 09.10
SAMPLING DATE	: 19/01/2021	ANALYTICAL DATE	: 20-27/01/2021
RECEIVED DATE	: 20/01/2021	SITE OPERATOR	: Mr. Jirakon Limsila
REPORT DATE	: 27/01/2021	FILE CODE	: 221015_SW_January
SAMPLE CONDITION	: Normal		
LOCATION DESCRIPTION	: 2 = แม่น้ำแม่กลอง : จุดปล่อยน้ำทิ้งโครงการ		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD ^{1/}
				2	
Temperature	°C	2550 B	< 0.5	24.1	n/
pH	-	4500-H ⁺ B	< 0.10	8.08	5 - 9
Conductivity	µS/cm	2510 B	< 1.0	313	-
Total Dissolved Solids	mg/l	2540 C	< 50	165	-
Total Suspended Solids	mg/l	2540 D	< 5	13	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	≤ 2.0
COD	mg/l	5220 D	< 40.00	< 40.00	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED., 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insorn)

Analyst

(Mrs. Araya Tipparuk)

Technical Management Team

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4. ^{n/} naturally but changing by no more than 3 °C.

5. - Not available.



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TEL. (662) 959-3600 FAX (662) 959-3535 Website : secot.co.th E-mail : envserv@secot.co.th

SURFACE WATER ANALYSIS REPORT

CLIENT NAME	: Hin Kong Power Co., Ltd.	REQUEST SERVICE NO.	: 0080/64
	Hin Kong Power Plant Project	SAMPLING METHOD	: Grab
SAMPLING BY	: SECOT Co., Ltd.	SAMPLING TIME	: 09.35
SAMPLING DATE	: 19/01/2021	ANALYTICAL DATE	: 20-27/01/2021
RECEIVED DATE	: 20/01/2021	SITE OPERATOR	: Mr. Jirakon Limsila
REPORT DATE	: 27/01/2021	FILE CODE	: 221015_SW_January
SAMPLE CONDITION	: Normal		
LOCATION DESCRIPTION	: 3 = แม่น้ำแม่กลอง : ทำห้วยปล่อยน้ำทิ้งโครงการ 500 เมตร		

PARAMETER	UNIT	ANALYSIS METHODS	ND (non-detectable)	STATION	STANDARD ^U
				3	
Temperature	°C	2550 B	< 0.5	24.9	n/
pH	-	4500-H ⁺ B	< 0.10	8.10	5 - 9
Conductivity	µS/cm	2510 B	< 1.0	314	-
Total Dissolved Solids	mg/l	2540 C	< 50	75	-
Total Suspended Solids	mg/l	2540 D	< 5	8	-
Fat Oil & Grease	mg/l	5520 B	< 0.50	ND	-
BOD ₅	mg/l	5210 B	< 1.0	< 1.0	≤ 2.0
COD	mg/l	5220 D	< 40.00	< 40.00	-

REFERENCE : STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER 23rd ED., 2017 (AWWA, APHA, WEF)

(Miss Khemchuda Insorn)

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ภาคผนวก จ

ใบแสดงการตรวจเทียบเครื่องมือ

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E04NI99E15A0KDC	Reference Number:	82-124380327-1
Cylinder Number:	CC414868	Cylinder Volume:	144.4 Cubic Feet
Laboratory:	ASG - Riverton - NJ	Cylinder Pressure:	2015 PSIG
PGVP Number:	B52013	Valve Outlet:	660
Gas Code:	CO,NO,SO2,BALN	Certification Date:	Jul 15, 2013

Expiration Date: Jul 15, 2021

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS					
Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NOX	50.00 PPM	52.49 PPM	G1	+/- 1% NIST Traceable	07/05/2013, 07/15/2013
NITRIC OXIDE	50.00 PPM	52.46 PPM	G1	+/- 1% NIST Traceable	07/05/2013, 07/15/2013
SULFUR DIOXIDE	50.00 PPM	50.64 PPM	G1	+/- 1.0% NIST Traceable	07/05/2013, 07/15/2013
CARBON MONOXIDE	0.5000 %	0.4984 %	G1	+/- 0.4% NIST Traceable	07/07/2013
NITROGEN	Balance				

CALIBRATION STANDARDS					
Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	13060232	CC401984	4950 PPM CARBON MONOXIDE/NITROGEN	+/- 0.4%	Feb 15, 2019
PRM	12312	680179	10.01 PPM NITROGEN DIOXIDE/NITROGEN	+/- 2.0%	Feb 14, 2012
NTRM	12060813	CC281093	49.95 PPM NITRIC OXIDE/NITROGEN	+/- 0.8%	Dec 16, 2017
GMIS	124206889106	CC322664	4.879 PPM NITROGEN DIOXIDE/NITROGEN	+/- 2.0%	Apr 08, 2016
NTRM	12061832	CC352180	50.10 PPM SULFUR DIOXIDE/NITROGEN	+/- 1.0%	Apr 24, 2018

The SRM or PRM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

ANALYTICAL EQUIPMENT		
Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Siemens Ultramat 6 N1C8180 COHIGH	NDIR	Jul 08, 2013
Nicolet 6700 APW1100391 NO	FTIR	Jun 24, 2013
Nicolet 6700 APW1100391 NO2	FTIR	Jun 24, 2013
Nicolet 6700 APW1100391 SO2	FTIR	Jul 10, 2013

Triad Data Available Upon Request

Notes:

C. Mochales

Approved for Release



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
 Hi-Vol Pump No. : BH-001 Indicator No. : CM-01
 Amb. Temp (°C) : 25 Press (mmHg) : 760
 Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	19.10	12.60	62.66	1,196.81	364.81	
13	16.00	10.20	58.46	935.36	256.00	
10	13.80	7.80	49.47	682.69	190.44	
7	9.40	5.10	40.16	377.50	88.36	
5	5.80	3.20	31.98	185.48	33.64	
Sum	64.10	38.90	242.73	3,377.84	933.25	

Calibrated by : Punkawin Approved by : W. Haya K.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
Hi-Vol Pump No. : BH-002 Indicator No. : CM-01
Amb. Temp (°C) : 25 Press (mmHg) : 760
Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	19.00	12.60	62.66	1,190.54	361.00	
13	16.20	10.20	58.46	947.05	262.44	
10	13.60	7.80	49.47	672.79	184.96	
7	9.40	5.10	40.16	377.50	88.36	
5	5.80	3.20	31.98	185.48	33.64	
Sum	64.00	38.90	242.73	3,373.37	930.40	

Calibrated by : Punkawin Approved by : Wittayan K.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 16, 2021
Hi-Vol Pump No. : BH-003 Indicator No. : CM-01
Amb. Temp (°C) : 25 Press (mmHg) : 760
Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	19.00	12.70	62.90	1,195.10	361.00	
13	15.20	10.30	56.73	862.30	231.04	
10	12.00	8.10	50.40	604.80	144.00	
7	7.60	5.20	40.55	308.18	57.76	
5	4.60	3.20	31.98	147.11	21.16	
Sum	58.40	39.50	242.56	3,117.48	814.96	

Calibrated by : Punkawin Approved by : Wittayan K.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
Hi-Vol Pump No. : BH-004 Indicator No. : CM-01
Amb. Temp (°C) : 25 Press (mmHg) : 760
Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	20.20	13.20	64.11	1,295.02	408.04	
13	16.40	10.40	57.00	934.80	268.96	
10	12.80	8.20	50.71	649.09	163.84	
7	8.40	5.40	41.30	346.92	70.56	
5	4.80	3.30	32.47	155.86	23.04	
Sum	62.60	40.50	245.59	3,381.69	934.44	

Calibrated by : Punkawin Approved by : Wittaya K.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 15, 2021
Hi-Vol Pump No. : BH-008 Indicator No. : CM-01
Amb. Temp (°C) : 25 Press (mmHg) : 760
Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	20.20	12.90	63.39	1,280.48	408.04	
13	16.40	10.40	57.00	934.80	268.96	
10	13.00	8.20	50.71	659.23	169.00	
7	8.40	5.30	40.93	343.81	70.56	
5	5.20	3.20	31.98	166.30	27.04	
Sum	63.20	40.00	244.01	3,384.62	943.60	

Calibrated by : Punkawin Approved by : Wittaya K.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
 Hi-Vol Pump No. : BH-017 Indicator No. : CM-01
 Amb. Temp (°C) : 25 Press (mmHg) : 760
 Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	16.80	12.50	62.41	1,048.49	282.24	
13	14.00	10.00	55.91	782.74	196.00	
10	11.20	7.70	49.16	550.59	125.44	
7	7.60	5.00	39.77	302.25	57.76	
5	4.80	3.00	30.99	148.75	23.04	
Sum	54.40	38.20	238.24	2,832.82	684.48	

Calibrated by : Punkawin Approved by : Wattana K.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
Hi-Vol Pump No. : BH-021 Indicator No. : CM-01
Amb. Temp (°C) : 25 Press (mmHg) : 760
Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	20.40	12.20	61.67	1,258.07	416.16	
13	16.80	10.00	55.91	939.29	282.24	
10	13.40	7.80	49.47	662.90	179.56	
7	8.80	5.20	40.55	356.84	77.44	
5	5.40	3.30	32.47	175.34	29.16	
Sum	64.80	38.50	240.07	3,392.43	984.56	

Calibrated by : Punkawin Approved by : W. Hays K



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
 Hi-Vol Pump No. : BH-025 Indicator No. : CM-01
 Amb. Temp (°C) : 25 Press (mmHg) : 760
 Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	21.20	12.70	62.90	1,333.48	449.44	
13	17.20	10.10	56.19	966.47	295.84	
10	13.40	7.90	49.79	667.19	179.56	
7	9.20	5.10	40.16	369.47	84.64	
5	5.80	3.20	31.98	185.48	33.64	
Sum	66.80	39.00	241.02	3,522.09	1,043.12	

Calibrated by : Punkawin Approved by : W. Heng H.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
 Hi-Vol Pump No. : BH-026 Indicator No. : CM-01
 Amb. Temp (°C) : 25 Press (mmHg) : 760
 Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	19.20	12.60	62.66	1,203.07	368.64	
13	15.40	10.30	56.73	873.64	237.16	
10	12.20	8.20	50.71	618.66	148.84	
7	8.20	5.30	40.93	335.63	67.24	
5	5.20	3.30	32.47	168.84	27.04	
Sum	60.20	39.70	243.50	3,199.85	848.92	

Calibrated by : Punkawin Approved by : Wittaya L.



High Volume TSP & PM-10 Calibration Data Sheet

Calibration Location : SECOT Co.,Ltd. Calibration Date : Jan 12, 2021
Hi-Vol Pump No. : BH-032 Indicator No. : CM-01
Amb. Temp (°C) : 25 Press (mmHg) : 760
Calibration by : Mr.Punkawin K.

Plate	Indicate (X) (cm.)	True H ₂ O (in.)	Actual Flow (Y) (cfm)	XY	X ²	Remark
18	19.20	12.60	62.66	1,203.07	368.64	
13	15.20	10.10	56.19	854.09	231.04	
10	12.00	7.90	49.79	597.48	144.00	
7	7.80	5.10	40.16	313.25	60.84	
5	4.60	3.20	31.98	147.11	21.16	
Sum	58.80	38.90	240.78	3,115.00	825.68	

Calibrated by : Punkawin Approved by : Witaya K.

**SOUND LEVEL METER CALIBRATION**

Calibration Location: SECOT

Calibration Date: Jan 18, 21

SOUND LEVEL CALIBRATOR

Brand	Model	Serial No.	Calibrated (dB)	Frequency (Hz)
RION	NC-74	34283648	94.00	1000

No.	Brand	Model	Serial No.	Microphone Serial No.	SLM Reading (dB)	dB Adjust
71	RION	NL-21	00487728	119000	93.7	0.3
92	RION	NL-21	00198274	123477	93.8	0.2
94	RION	NL-21	00198276	123479	94.2	-0.2

Calibrated by :

Approved by :



**ELECTRICAL AND ELECTRONICS INSTITUTE
FOUNDATION FOR INDUSTRIAL DEVELOPMENT**

975 Moo 4, Bangpoo Industrial Estate, Soi 8, Sukhumvit Road km 37,

Phraek Sa, Mueang Samut Prakan, Samut Prakan 10280

Tel: +66 2709 4860-8 Fax: +66 2324 0917-8



Certificate No.: 0037SV21
Operation No.: CP2021010002

Certificate of Calibration

Equipment: Sound Calibrator
Manufacturer: RION
Model/Type: NC-74
Serial No.: 34283648
ID No.:
Customer: SECOT Co.,Ltd.
Address: 239 Rimklongprapa Rd., Bangsue,
Bangkok 10800 Thailand
Received Date: 4 January 2021
Calibrated Date: 6 January 2021
Issued Date: 8 January 2021
Calibrated by: Ms. Juntaporn Kunhakom

Approved by: _____

(Mr. Sittichai Swaksuriyawong)

Group Manager
สถาบันไฟฟ้าและอิเล็กทรอนิกส์
ELECTRICAL AND ELECTRONICS INSTITUTE

The reported uncertainty of measurement was based on standard uncertainty multiplied by a coverage factor $k = 2.00$, providing a level of confidence of approximately 95%. This certificate may not be reproduced other than in full except with the prior written approval of the Electrical and Electronics Institute, Foundation for Industrial Development.

Certificate No.: 0037SV21

Calibration Report

Equipment: Sound Calibrator
Manufacturer: RION
Model/Type: NC-74
Serial No.: 34283648
ID No.: -
Ambient Temperature: (23 ± 2) °C
Relative Humidity: (50 ± 15) %
Pressure: (101.3 ± 1.5) kPa

Method of Calibration :-

IEC 60942:2017

Condition of this result of calibration

1. Reference standards instrument :-

<u>Instrument</u>	<u>Model</u>	<u>Serial No.</u>	<u>Cert. No.</u>	<u>Due Date</u>
1) Standard microphone	4180	2661000	AA-1013-20	12 May 2021
2) Waveform Generator	33511B	MY52302264	0100RF20	17 June 2021
3) Audio Analyzing DMM	2015-P	000136E	E1U203927	16 November 2021
4) Pressure humidity and Temperature Transmitter	PTU301	F0640002	CL1-P200051 0305TE20	31 May 2021 29 June 2021

2. This result of calibration was found accurate as shown on date and place of calibration only.

3. This certification is traceable to the international system of unit maintained at :-

Reference standards instrument for Acoustic function

- National Institute of Metrology (Thailand)

Reference standards instrument for Electrical function

- Electrical and Electronics Institute; ONSC Accredited Calibration No.0119

Result of Calibration:-

1. Function : Sound pressure level

Normalinal Frequency (Hz)	Specified Sound Pressure level (dB)	Measured value (dB)	Deviated value ^[1] (dB)	Acceptance limit ^[3] (dB)
1000	94	94.24	0.24	±0.25

2. Function : Frequency

Normalinal Sound Pressure level (dB)	Specified Frequency (Hz)	Measured value (Hz)	Deviated value ^[2] (%)	Acceptance limit ^[3] (%)
94	1000	1003.2	0.3	±0.7

Certificate No.: 0037SV21

Calibration Report

3. Function : Total distortion + noise

Norminal Sound Pressure level (dB)	Norminal Frequency (Hz)	Measured value ^[4] (%)	Acceptance limit ^[5] (%)
94	1000	1.3	2.5

Uncertainty of measurement

Function	Uncertainty	Maximum-permitted uncertainty of measurement
Sound pressure level	0.10 dB	0.15 dB
Frequency	0.10 %	0.20 %
Total distortion + noise	0.40 %	0.50 %

- Note:
- [1] The deviated value is the absolute value of the difference between the measured value and the corresponding specified sound pressure level.
 - [2] The deviated value is the absolute value of the difference in percent between the measured value and the corresponding specified frequency.
 - [3] The acceptance limit is for the deviated value.
 - [4] The measured value is the total distortion + noise, measured over the frequency range from 20 Hz to 20 kHz.
 - [5] The acceptance limit is for the Measured value.
- Remarks:
- 1. Using the 1/2-inch microphone adaptor NC-74-002.
 - 2. Acceptance limit was IEC 60942:2017 Class 1.

-- End of Report --