ภาคผนวก ญ
ใบรายงานผลการวิเคราะห์



อากาศ



United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260
Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR WORAPHOT WONGKHAM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-17, 2023
REPORT NO. : 2023-U029830
WORK NO. : 2023-001314
ANALYSIS NO. : T23AG563-0001 - T23AG563-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GA1		
			* T23AG563-0001	** T23AG563-0002	*** T23AG563-0003
TOTAL SUSPENDED PARTICULATE	mg/m^3	GRAVIMETRIC (HIGH VOLUME METHOD)	0.048	0.047	0.058
PARTICULATE MATTER (≤ 10 µm)	mg/m^3	GRAVIMETRIC (HIGH VOLUME METHOD)	0.022	0.037	0.015
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 08:30 HOUR ON APRIL 8, 2023 TO 08:30 HOUR ON APRIL 9, 2023.
** : SAMPLING FROM 08:30 HOUR ON APRIL 9, 2023 TO 08:30 HOUR ON APRIL 10, 2023.
*** : SAMPLING FROM 08:30 HOUR ON APRIL 10, 2023 TO 08:30 HOUR ON APRIL 11, 2023.

Budsakorn V.
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

APRIL 25, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR WORAPHOT WONGKHAM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-17, 2023
REPORT NO. : 2023-U029831
WORK NO. : 2023-001314
ANALYSIS NO. : T23AG563-0004 - T23AG563-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GA2		
			* T23AG563-0004	** T23AG563-0005	*** T23AG563-0006
TOTAL SUSPENDED PARTICULATE	mg/m^3	GRAVIMETRIC (HIGH VOLUME METHOD)	0.222	0.188	0.205
PARTICULATE MATTER (≤ 10 µm)	mg/m^3	GRAVIMETRIC (HIGH VOLUME METHOD)	0.082	0.059	0.055
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
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** : SAMPLING FROM 09:00 HOUR ON APRIL 9, 2023 TO 09:00 HOUR ON APRIL 10, 2023.
*** : SAMPLING FROM 09:00 HOUR ON APRIL 10, 2023 TO 09:00 HOUR ON APRIL 11, 2023.

Budsakorn V.
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

APRIL 25, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR WORAPHOT WONGKHAM
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-17, 2023
REPORT NO. : 2023-U029832
WORK NO. : 2023-001314
ANALYSIS NO. : T23AG563-0007 - T23AG563-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			L53-GA3		
			* T23AG563-0007	** T23AG563-0008	*** T23AG563-0009
TOTAL SUSPENDED PARTICULATE	mg/m^3	GRAVIMETRIC (HIGH VOLUME METHOD)	0.066	0.073	0.067
PARTICULATE MATTER (≤ 10 µm)	mg/m^3	GRAVIMETRIC (HIGH VOLUME METHOD)	0.035	0.048	0.046
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
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** : SAMPLING FROM 09:30 HOUR ON APRIL 9, 2023 TO 09:30 HOUR ON APRIL 10, 2023.
*** : SAMPLING FROM 09:30 HOUR ON APRIL 10, 2023 TO 09:30 HOUR ON APRIL 11, 2023.

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

APRIL 25, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 8-11, 2023
MEASURING TIME : *
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR WORAPHOT WONGKHAM
RECEIVED DATE : APRIL 8-11, 2023
ANALYTICAL DATE : APRIL 8-11, 2023
REPORT NO. : 2023-U027945
WORK NO. : 2023-001314
ANALYSIS NO. : T23AG563-0001 - T23AG563-0003

TIME *	RESULT (ppm)		
	CARBON MONOXIDE		
	L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)		
	APRIL 8-9, 2023 T23AG563-0001	APRIL 9-10, 2023 T23AG563-0002	APRIL 10-11, 2023 T23AG563-0003
08:00-09:00 HOUR	1.40	1.62	1.28
09:00-10:00 HOUR	1.28	1.29	1.10
10:00-11:00 HOUR	1.16	1.07	0.96
11:00-12:00 HOUR	1.15	0.93	0.98
12:00-13:00 HOUR	1.13	0.97	1.08
13:00-14:00 HOUR	1.18	1.17	1.31
14:00-15:00 HOUR	1.22	1.47	1.52
15:00-16:00 HOUR	1.31	1.77	1.77
16:00-17:00 HOUR	1.40	2.00	1.93
17:00-18:00 HOUR	1.48	2.11	2.08
18:00-19:00 HOUR	1.51	2.08	2.09
19:00-20:00 HOUR	1.52	1.95	2.12
20:00-21:00 HOUR	1.47	1.66	2.03
21:00-22:00 HOUR	1.40	1.40	1.96
22:00-23:00 HOUR	1.29	1.05	1.77
23:00-00:00 HOUR	1.23	0.84	1.68
00:00-01:00 HOUR	1.25	0.68	1.62
01:00-02:00 HOUR	1.35	0.65	1.62
02:00-03:00 HOUR	1.54	0.76	1.65
03:00-04:00 HOUR	1.72	0.98	1.77
04:00-05:00 HOUR	1.90	1.26	1.86
05:00-06:00 HOUR	2.02	1.48	1.93
06:00-07:00 HOUR	2.04	1.54	1.84
07:00-08:00 HOUR	1.89	1.48	1.67

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027946
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0004 - T23AG563-0006

TIME *	RESULT (ppm) CARBON MONOXIDE L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)		
	APRIL 8-9, 2023 T23AG563-0004	APRIL 9-10, 2023 T23AG563-0005	APRIL 10-11, 2023 T23AG563-0006
08:00-09:00 HOUR	1.97	1.29	1.37
09:00-10:00 HOUR	1.68	0.97	1.13
10:00-11:00 HOUR	1.45	0.72	0.93
11:00-12:00 HOUR	1.33	0.61	0.91
12:00-13:00 HOUR	1.35	0.65	0.99
13:00-14:00 HOUR	1.42	0.76	1.16
14:00-15:00 HOUR	1.52	0.93	1.37
15:00-16:00 HOUR	1.62	1.13	1.55
16:00-17:00 HOUR	1.70	1.35	1.68
17:00-18:00 HOUR	1.74	1.53	1.74
18:00-19:00 HOUR	1.70	1.59	1.73
19:00-20:00 HOUR	1.67	1.57	1.67
20:00-21:00 HOUR	1.66	1.46	1.53
21:00-22:00 HOUR	1.75	1.34	1.35
22:00-23:00 HOUR	1.85	1.13	1.13
23:00-00:00 HOUR	1.99	1.00	0.91
00:00-01:00 HOUR	2.15	0.91	0.74
01:00-02:00 HOUR	2.27	0.91	0.65
02:00-03:00 HOUR	2.34	1.01	0.72
03:00-04:00 HOUR	2.31	1.15	0.92
04:00-05:00 HOUR	2.24	1.43	1.28
05:00-06:00 HOUR	2.20	1.65	1.54
06:00-07:00 HOUR	1.99	1.74	1.69
07:00-08:00 HOUR	1.72	1.63	1.62

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027947
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0007 - T23AG563-0009

TIME *	RESULT (ppm) CARBON MONOXIDE L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)		
	APRIL 8-9, 2023 T23AG563-0007	APRIL 9-10, 2023 T23AG563-0008	APRIL 10-11, 2023 T23AG563-0009
08:00-09:00 HOUR	1.45	1.29	1.33
09:00-10:00 HOUR	1.14	0.95	1.10
10:00-11:00 HOUR	0.95	0.74	0.94
11:00-12:00 HOUR	0.87	0.71	0.87
12:00-13:00 HOUR	0.95	0.77	0.90
13:00-14:00 HOUR	1.12	0.93	1.05
14:00-15:00 HOUR	1.37	1.15	1.23
15:00-16:00 HOUR	1.58	1.38	1.42
16:00-17:00 HOUR	1.76	1.61	1.62
17:00-18:00 HOUR	1.84	1.71	1.77
18:00-19:00 HOUR	1.86	1.80	1.84
19:00-20:00 HOUR	1.80	1.83	1.81
20:00-21:00 HOUR	1.70	1.79	1.80
21:00-22:00 HOUR	1.48	1.72	1.74
22:00-23:00 HOUR	1.25	1.55	1.60
23:00-00:00 HOUR	1.08	1.47	1.41
00:00-01:00 HOUR	0.98	1.38	1.29
01:00-02:00 HOUR	0.99	1.36	1.22
02:00-03:00 HOUR	1.09	1.34	1.24
03:00-04:00 HOUR	1.30	1.35	1.35
04:00-05:00 HOUR	1.56	1.41	1.59
05:00-06:00 HOUR	1.81	1.47	1.82
06:00-07:00 HOUR	1.85	1.52	1.83
07:00-08:00 HOUR	1.67	1.47	1.68

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LABORATORY SUPERVISOR

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027942
MEASURING METHOD : CO_2 ANALYZER **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0001-T23AG563-0003

TIME*	RESULT		
	CARBON DIOXIDE		
	L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)		
	APRIL 8-9, 2023 T23AG563-0001	APRIL 9-10, 2023 T23AG563-0002	APRIL 10-11, 2023 T23AG563-0003
08:00-09:00 HOUR	250.5	268.9	250.9
09:00-10:00 HOUR	231.9	232.8	227.6
10:00-11:00 HOUR	217.5	213.5	220.1
11:00-12:00 HOUR	229.4	207.3	217.1
12:00-13:00 HOUR	253.8	209.1	222.5
13:00-14:00 HOUR	280.0	228.1	239.0
14:00-15:00 HOUR	303.6	255.1	265.2
15:00-16:00 HOUR	311.3	277.9	282.1
16:00-17:00 HOUR	320.9	297.2	288.5
17:00-18:00 HOUR	324.1	314.5	295.3
18:00-19:00 HOUR	329.2	324.9	297.0
19:00-20:00 HOUR	327.5	326.7	299.2
20:00-21:00 HOUR	338.3	323.2	288.6
21:00-22:00 HOUR	342.0	315.3	277.0
22:00-23:00 HOUR	350.1	300.7	265.9
23:00-00:00 HOUR	340.0	288.2	250.0
00:00-01:00 HOUR	330.8	272.5	249.2
01:00-02:00 HOUR	325.6	254.6	241.1
02:00-03:00 HOUR	330.7	244.4	243.6
03:00-04:00 HOUR	332.4	253.9	252.6
04:00-05:00 HOUR	328.6	278.1	280.2
05:00-06:00 HOUR	320.0	289.4	312.2
06:00-07:00 HOUR	319.9	293.1	328.5
07:00-08:00 HOUR	300.2	272.5	324.4
UNIT	ppm		

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027943
MEASURING METHOD : CO_2 ANALYZER **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0004-T23AG563-0006

TIME*	RESULT		
	CARBON DIOXIDE		
	L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)		
	APRIL 8-9, 2023 T23AG563-0004	APRIL 9-10, 2023 T23AG563-0005	APRIL 10-11, 2023 T23AG563-0006
08:00-09:00 HOUR	270.9	240.6	245.5
09:00-10:00 HOUR	254.0	217.5	220.3
10:00-11:00 HOUR	240.7	207.6	202.9
11:00-12:00 HOUR	244.7	227.7	210.2
12:00-13:00 HOUR	242.6	259.2	234.4
13:00-14:00 HOUR	256.8	299.0	267.4
14:00-15:00 HOUR	285.0	327.5	298.1
15:00-16:00 HOUR	315.2	336.3	322.6
16:00-17:00 HOUR	342.7	344.0	331.2
17:00-18:00 HOUR	354.8	345.9	338.1
18:00-19:00 HOUR	350.7	351.0	334.0
19:00-20:00 HOUR	343.6	337.4	339.8
20:00-21:00 HOUR	334.8	312.4	353.4
21:00-22:00 HOUR	329.3	290.0	356.1
22:00-23:00 HOUR	318.9	275.9	350.6
23:00-00:00 HOUR	315.2	277.6	331.5
00:00-01:00 HOUR	313.8	278.2	325.2
01:00-02:00 HOUR	321.2	280.9	322.5
02:00-03:00 HOUR	313.5	289.3	319.6
03:00-04:00 HOUR	324.9	300.2	316.7
04:00-05:00 HOUR	329.5	310.7	315.7
05:00-06:00 HOUR	332.0	319.4	319.3
06:00-07:00 HOUR	311.4	307.9	314.3
07:00-08:00 HOUR	278.3	289.1	292.6
UNIT	ppm		

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LTD.
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027944
MEASURING METHOD : CO_2 ANALYZER **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0007-T23AG563-0009

TIME*	RESULT		
	CARBON DIOXIDE		
	L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)		
	APRIL 8-9, 2023 T23AG563-0007	APRIL 9-10, 2023 T23AG563-0008	APRIL 10-11, 2023 T23AG563-0009
08:00-09:00 HOUR	283.7	269.0	241.1
09:00-10:00 HOUR	260.3	253.4	214.0
10:00-11:00 HOUR	246.8	239.8	198.5
11:00-12:00 HOUR	253.8	242.4	202.1
12:00-13:00 HOUR	277.5	252.8	216.8
13:00-14:00 HOUR	299.2	282.3	231.1
14:00-15:00 HOUR	326.9	314.4	245.9
15:00-16:00 HOUR	348.3	334.1	263.8
16:00-17:00 HOUR	365.2	348.1	285.3
17:00-18:00 HOUR	367.8	347.4	296.9
18:00-19:00 HOUR	359.1	339.3	299.6
19:00-20:00 HOUR	341.5	322.1	306.1
20:00-21:00 HOUR	322.9	300.8	307.1
21:00-22:00 HOUR	294.5	295.0	307.4
22:00-23:00 HOUR	265.3	291.2	295.2
23:00-00:00 HOUR	245.9	292.4	291.0
00:00-01:00 HOUR	233.0	286.4	278.4
01:00-02:00 HOUR	234.3	279.1	271.6
02:00-03:00 HOUR	235.4	279.6	260.5
03:00-04:00 HOUR	253.7	292.8	267.0
04:00-05:00 HOUR	276.0	305.6	283.3
05:00-06:00 HOUR	298.8	310.9	312.0
06:00-07:00 HOUR	300.5	299.7	325.9
07:00-08:00 HOUR	290.6	275.4	321.1
UNIT	ppm		

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
APRIL 19, 2023

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ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027948
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0001 - T23AG563-0003

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)		
	APRIL 8-9, 2023 T23AG563-0001	APRIL 9-10, 2023 T23AG563-0002	APRIL 10-11, 2023 T23AG563-0003
08:00-09:00 HOUR	0.0091	0.0076	0.0084
09:00-10:00 HOUR	0.0079	0.0070	0.0077
10:00-11:00 HOUR	0.0071	0.0065	0.0071
11:00-12:00 HOUR	0.0067	0.0066	0.0068
12:00-13:00 HOUR	0.0068	0.0071	0.0069
13:00-14:00 HOUR	0.0069	0.0078	0.0072
14:00-15:00 HOUR	0.0074	0.0085	0.0081
15:00-16:00 HOUR	0.0081	0.0087	0.0089
16:00-17:00 HOUR	0.0088	0.0087	0.0096
17:00-18:00 HOUR	0.0092	0.0085	0.0098
18:00-19:00 HOUR	0.0093	0.0083	0.0098
19:00-20:00 HOUR	0.0093	0.0081	0.0095
20:00-21:00 HOUR	0.0093	0.0079	0.0096
21:00-22:00 HOUR	0.0089	0.0080	0.0096
22:00-23:00 HOUR	0.0082	0.0083	0.0096
23:00-00:00 HOUR	0.0074	0.0091	0.0094
00:00-01:00 HOUR	0.0069	0.0096	0.0092
01:00-02:00 HOUR	0.0068	0.0099	0.0091
02:00-03:00 HOUR	0.0069	0.0100	0.0089
03:00-04:00 HOUR	0.0072	0.0098	0.0087
04:00-05:00 HOUR	0.0079	0.0097	0.0087
05:00-06:00 HOUR	0.0087	0.0096	0.0092
06:00-07:00 HOUR	0.0089	0.0095	0.0096
07:00-08:00 HOUR	0.0085	0.0092	0.0095

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR
APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027949
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0004 - T23AG563-0006

TIME *	RESULT (ppm) NITROGEN DIOXIDE L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)		
	APRIL 8-9, 2023 T23AG563-0004	APRIL 9-10, 2023 T23AG563-0005	APRIL 10-11, 2023 T23AG563-0006
08:00-09:00 HOUR	0.0077	0.0084	0.0069
09:00-10:00 HOUR	0.0068	0.0077	0.0058
10:00-11:00 HOUR	0.0062	0.0070	0.0053
11:00-12:00 HOUR	0.0062	0.0069	0.0054
12:00-13:00 HOUR	0.0064	0.0070	0.0059
13:00-14:00 HOUR	0.0065	0.0073	0.0064
14:00-15:00 HOUR	0.0069	0.0076	0.0070
15:00-16:00 HOUR	0.0072	0.0078	0.0073
16:00-17:00 HOUR	0.0076	0.0083	0.0077
17:00-18:00 HOUR	0.0078	0.0087	0.0079
18:00-19:00 HOUR	0.0079	0.0093	0.0081
19:00-20:00 HOUR	0.0080	0.0095	0.0084
20:00-21:00 HOUR	0.0079	0.0099	0.0083
21:00-22:00 HOUR	0.0076	0.0098	0.0080
22:00-23:00 HOUR	0.0072	0.0100	0.0075
23:00-00:00 HOUR	0.0068	0.0098	0.0073
00:00-01:00 HOUR	0.0068	0.0096	0.0071
01:00-02:00 HOUR	0.0067	0.0091	0.0070
02:00-03:00 HOUR	0.0069	0.0085	0.0069
03:00-04:00 HOUR	0.0072	0.0081	0.0071
04:00-05:00 HOUR	0.0078	0.0081	0.0078
05:00-06:00 HOUR	0.0084	0.0085	0.0088
06:00-07:00 HOUR	0.0089	0.0086	0.0093
07:00-08:00 HOUR	0.0090	0.0081	0.0091

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027951
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0007 - T23AG563-0009

TIME *	RESULT (ppm) NITROGEN DIOXIDE L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)		
	APRIL 8-9, 2023 T23AG563-0007	APRIL 9-10, 2023 T23AG563-0008	APRIL 10-11, 2023 T23AG563-0009
08:00-09:00 HOUR	0.0077	0.0089	0.0073
09:00-10:00 HOUR	0.0069	0.0077	0.0067
10:00-11:00 HOUR	0.0065	0.0065	0.0063
11:00-12:00 HOUR	0.0067	0.0061	0.0064
12:00-13:00 HOUR	0.0069	0.0060	0.0068
13:00-14:00 HOUR	0.0074	0.0063	0.0071
14:00-15:00 HOUR	0.0081	0.0067	0.0074
15:00-16:00 HOUR	0.0090	0.0073	0.0077
16:00-17:00 HOUR	0.0098	0.0081	0.0081
17:00-18:00 HOUR	0.0101	0.0086	0.0083
18:00-19:00 HOUR	0.0101	0.0092	0.0084
19:00-20:00 HOUR	0.0097	0.0095	0.0083
20:00-21:00 HOUR	0.0091	0.0097	0.0081
21:00-22:00 HOUR	0.0084	0.0094	0.0079
22:00-23:00 HOUR	0.0080	0.0091	0.0080
23:00-00:00 HOUR	0.0080	0.0085	0.0084
00:00-01:00 HOUR	0.0082	0.0080	0.0089
01:00-02:00 HOUR	0.0084	0.0074	0.0093
02:00-03:00 HOUR	0.0085	0.0071	0.0094
03:00-04:00 HOUR	0.0087	0.0072	0.0094
04:00-05:00 HOUR	0.0090	0.0078	0.0092
05:00-06:00 HOUR	0.0095	0.0084	0.0091
06:00-07:00 HOUR	0.0099	0.0086	0.0088
07:00-08:00 HOUR	0.0098	0.0082	0.0083

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027952
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0001 - T23AG563-0003

TIME *	RESULT (ppm) SULPHUR DIOXIDE L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)		
	APRIL 8-9, 2023 T23AG563-0001	APRIL 9-10, 2023 T23AG563-0002	APRIL 10-11, 2023 T23AG563-0003
08:00-09:00 HOUR	0.0027	0.0037	0.0031
09:00-10:00 HOUR	0.0023	0.0031	0.0026
10:00-11:00 HOUR	0.0019	0.0028	0.0023
11:00-12:00 HOUR	0.0017	0.0027	0.0021
12:00-13:00 HOUR	0.0017	0.0026	0.0025
13:00-14:00 HOUR	0.0022	0.0027	0.0032
14:00-15:00 HOUR	0.0027	0.0029	0.0041
15:00-16:00 HOUR	0.0033	0.0034	0.0043
16:00-17:00 HOUR	0.0036	0.0038	0.0043
17:00-18:00 HOUR	0.0040	0.0045	0.0043
18:00-19:00 HOUR	0.0041	0.0046	0.0043
19:00-20:00 HOUR	0.0038	0.0048	0.0047
20:00-21:00 HOUR	0.0036	0.0046	0.0042
21:00-22:00 HOUR	0.0037	0.0046	0.0041
22:00-23:00 HOUR	0.0040	0.0043	0.0037
23:00-00:00 HOUR	0.0047	0.0041	0.0036
00:00-01:00 HOUR	0.0050	0.0045	0.0034
01:00-02:00 HOUR	0.0054	0.0047	0.0029
02:00-03:00 HOUR	0.0051	0.0046	0.0030
03:00-04:00 HOUR	0.0052	0.0043	0.0032
04:00-05:00 HOUR	0.0048	0.0040	0.0039
05:00-06:00 HOUR	0.0044	0.0037	0.0040
06:00-07:00 HOUR	0.0041	0.0035	0.0043
07:00-08:00 HOUR	0.0040	0.0032	0.0038
AVERAGE 24 HOUR	0.0037	0.0038	0.0036

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027953
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0004 - T23AG563-0006

TIME *	RESULT (ppm) SULPHUR DIOXIDE L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)		
	APRIL 8-9, 2023 T23AG563-0004	APRIL 9-10, 2023 T23AG563-0005	APRIL 10-11, 2023 T23AG563-0006
08:00-09:00 HOUR	0.0039	0.0041	0.0038
09:00-10:00 HOUR	0.0034	0.0035	0.0032
10:00-11:00 HOUR	0.0027	0.0030	0.0027
11:00-12:00 HOUR	0.0028	0.0028	0.0030
12:00-13:00 HOUR	0.0031	0.0027	0.0033
13:00-14:00 HOUR	0.0038	0.0030	0.0037
14:00-15:00 HOUR	0.0044	0.0032	0.0038
15:00-16:00 HOUR	0.0051	0.0039	0.0041
16:00-17:00 HOUR	0.0056	0.0042	0.0042
17:00-18:00 HOUR	0.0053	0.0049	0.0041
18:00-19:00 HOUR	0.0051	0.0052	0.0041
19:00-20:00 HOUR	0.0043	0.0053	0.0040
20:00-21:00 HOUR	0.0040	0.0050	0.0039
21:00-22:00 HOUR	0.0037	0.0045	0.0035
22:00-23:00 HOUR	0.0034	0.0041	0.0034
23:00-00:00 HOUR	0.0032	0.0037	0.0035
00:00-01:00 HOUR	0.0027	0.0036	0.0036
01:00-02:00 HOUR	0.0027	0.0036	0.0034
02:00-03:00 HOUR	0.0028	0.0036	0.0031
03:00-04:00 HOUR	0.0033	0.0035	0.0033
04:00-05:00 HOUR	0.0041	0.0039	0.0040
05:00-06:00 HOUR	0.0043	0.0043	0.0044
06:00-07:00 HOUR	0.0045	0.0047	0.0043
07:00-08:00 HOUR	0.0042	0.0044	0.0039
AVERAGE 24 HOUR	0.0039	0.0039	0.0037

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027957
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0007 - T23AG563-0009

TIME *	RESULT (ppm) SULPHUR DIOXIDE L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)		
	APRIL 8-9, 2023 T23AG563-0007	APRIL 9-10, 2023 T23AG563-0008	APRIL 10-11, 2023 T23AG563-0009
08:00-09:00 HOUR	0.0027	0.0025	0.0031
09:00-10:00 HOUR	0.0023	0.0022	0.0026
10:00-11:00 HOUR	0.0020	0.0020	0.0024
11:00-12:00 HOUR	0.0019	0.0022	0.0023
12:00-13:00 HOUR	0.0019	0.0023	0.0025
13:00-14:00 HOUR	0.0023	0.0030	0.0029
14:00-15:00 HOUR	0.0027	0.0037	0.0034
15:00-16:00 HOUR	0.0032	0.0042	0.0038
16:00-17:00 HOUR	0.0040	0.0046	0.0039
17:00-18:00 HOUR	0.0045	0.0045	0.0040
18:00-19:00 HOUR	0.0049	0.0050	0.0039
19:00-20:00 HOUR	0.0047	0.0048	0.0039
20:00-21:00 HOUR	0.0048	0.0049	0.0040
21:00-22:00 HOUR	0.0044	0.0044	0.0038
22:00-23:00 HOUR	0.0042	0.0040	0.0035
23:00-00:00 HOUR	0.0038	0.0034	0.0031
00:00-01:00 HOUR	0.0039	0.0028	0.0029
01:00-02:00 HOUR	0.0042	0.0028	0.0028
02:00-03:00 HOUR	0.0042	0.0032	0.0029
03:00-04:00 HOUR	0.0039	0.0035	0.0030
04:00-05:00 HOUR	0.0037	0.0036	0.0036
05:00-06:00 HOUR	0.0035	0.0037	0.0038
06:00-07:00 HOUR	0.0032	0.0040	0.0038
07:00-08:00 HOUR	0.0027	0.0037	0.0032
AVERAGE 24 HOUR	0.0035	0.0035	0.0033

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027959
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0001 - T23AG563-0003

TIME *	RESULT (m/s) L53-GA1 (UTM WGS 84 ZONE 47P 601174E 1551526N)					
	APRIL 8-9, 2023 T23AG563-0001		APRIL 9-10, 2023 T23AG563-0002		APRIL 10-11, 2023 T23AG563-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	0.8	SSW	1.8	SSE	1.0	SSW
09:00-10:00 HOUR	1.6	WSW	1.7	S	0.9	SSW
10:00-11:00 HOUR	1.4	SW	1.3	SE	0.8	S
11:00-12:00 HOUR	1.3	W	1.2	WSW	0.9	S
12:00-13:00 HOUR	2.1	W	1.2	SW	0.8	S
13:00-14:00 HOUR	1.9	WSW	0.9	SW	1.1	SSE
14:00-15:00 HOUR	1.7	W	0.8	WSW	1.0	SSW
15:00-16:00 HOUR	1.3	SSW	1.1	WSW	1.7	SW
16:00-17:00 HOUR	1.5	SW	1.1	SSW	1.8	SW
17:00-18:00 HOUR	1.4	SSE	0.8	SW	1.8	SW
18:00-19:00 HOUR	1.0	SE	1.0	SW	2.3	WSW
19:00-20:00 HOUR	1.2	SE	1.1	W	1.8	W
20:00-21:00 HOUR	1.1	SSE	0.8	WSW	2.0	NW
21:00-22:00 HOUR	0.8	SE	0.8	WSW	1.6	WNW
22:00-23:00 HOUR	1.0	SE	1.1	WSW	1.2	NNW
23:00-00:00 HOUR	1.2	S	0.9	SW	1.3	WNW
00:00-01:00 HOUR	0.8	SSW	1.1	SSW	1.2	NW
01:00-02:00 HOUR	1.0	WSW	1.1	SSW	1.1	NW
02:00-03:00 HOUR	0.8	WSW	1.7	S	1.3	NW
03:00-04:00 HOUR	1.3	WSW	1.3	SSW	1.3	NW
04:00-05:00 HOUR	1.5	SW	1.8	SSW	1.0	SW
05:00-06:00 HOUR	1.7	S	2.3	S	0.9	WSW
06:00-07:00 HOUR	1.9	S	1.7	SSW	0.7	SW
07:00-08:00 HOUR	1.4	SSW	1.9	SW	0.9	SSW

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027961
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0004 - T23AG563-0006

TIME *	RESULT (m/s) L53-GA2 (UTM WGS 84 ZONE 47P 601349E 1551055N)					
	APRIL 8-9, 2023 T23AG563-0004		APRIL 9-10, 2023 T23AG563-0005		APRIL 10-11, 2023 T23AG563-0006	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.0	WNW	1.2	SSW	1.6	NNW
09:00-10:00 HOUR	1.2	WNW	1.7	SSE	1.9	N
10:00-11:00 HOUR	1.0	WNW	1.3	SW	2.2	NW
11:00-12:00 HOUR	0.9	NW	1.7	SSW	1.7	NW
12:00-13:00 HOUR	1.1	W	2.0	SSW	1.6	NW
13:00-14:00 HOUR	0.8	W	2.0	WSW	1.0	NNW
14:00-15:00 HOUR	1.3	SW	1.4	SW	1.1	SSW
15:00-16:00 HOUR	1.4	WSW	1.7	S	1.1	WNW
16:00-17:00 HOUR	2.0	WSW	2.3	SW	1.0	WSW
17:00-18:00 HOUR	2.3	W	1.4	SSE	1.0	NW
18:00-19:00 HOUR	1.8	WNW	1.6	SSW	1.0	NNW
19:00-20:00 HOUR	1.8	WNW	1.8	WNW	0.9	WNW
20:00-21:00 HOUR	1.7	WSW	2.0	W	0.8	NNW
21:00-22:00 HOUR	1.0	WNW	1.5	NW	1.3	WNW
22:00-23:00 HOUR	1.0	SSW	2.0	NW	1.7	SW
23:00-00:00 HOUR	1.2	SW	1.3	NW	1.8	WSW
00:00-01:00 HOUR	1.1	SSW	1.3	WNW	1.9	WSW
01:00-02:00 HOUR	1.1	SSE	1.8	WNW	1.5	SSW
02:00-03:00 HOUR	1.1	SSE	1.7	WSW	1.7	SSW
03:00-04:00 HOUR	1.0	SE	1.5	WSW	1.0	SW
04:00-05:00 HOUR	0.8	SE	1.9	W	0.9	W
05:00-06:00 HOUR	1.1	SSE	1.5	WSW	0.8	WSW
06:00-07:00 HOUR	0.9	SSE	1.7	NW	1.0	W
07:00-08:00 HOUR	1.1	SW	2.3	N	0.8	W

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027963
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG563-0007 - T23AG563-0009

TIME *	RESULT (m/s) L53-GA3 (UTM WGS 84 ZONE 47P 600866E 1550623N)					
	APRIL 8-9, 2023 T23AG563-0007		APRIL 9-10, 2023 T23AG563-0008		APRIL 10-11, 2023 T23AG563-0009	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	0.9	WNW	1.1	SSW	1.6	SSW
09:00-10:00 HOUR	0.9	W	1.4	WSW	1.8	SW
10:00-11:00 HOUR	1.1	W	1.7	W	2.0	W
11:00-12:00 HOUR	0.9	NW	1.6	SW	1.9	W
12:00-13:00 HOUR	1.3	W	1.9	WSW	1.2	W
13:00-14:00 HOUR	1.3	NW	2.2	SW	1.0	WNW
14:00-15:00 HOUR	2.0	W	1.5	SW	1.0	S
15:00-16:00 HOUR	1.5	WSW	1.6	WSW	0.8	SSW
16:00-17:00 HOUR	1.6	WNW	2.0	WSW	1.0	SSW
17:00-18:00 HOUR	2.1	WNW	2.1	WSW	0.7	S
18:00-19:00 HOUR	2.1	W	1.5	SW	0.9	S
19:00-20:00 HOUR	1.5	NNW	2.0	SW	0.8	SW
20:00-21:00 HOUR	2.3	W	1.5	SW	1.0	SW
21:00-22:00 HOUR	1.4	NW	1.4	S	0.8	SSW
22:00-23:00 HOUR	1.4	NW	1.5	S	0.8	SSW
23:00-00:00 HOUR	1.5	NNW	2.3	SSE	1.0	SSW
00:00-01:00 HOUR	1.2	NW	1.6	SE	1.1	SW
01:00-02:00 HOUR	1.1	NW	2.0	SE	1.0	W
02:00-03:00 HOUR	0.9	NW	2.2	SE	0.9	SW
03:00-04:00 HOUR	1.1	W	1.9	SE	0.7	W
04:00-05:00 HOUR	1.0	W	1.9	SSE	0.9	WSW
05:00-06:00 HOUR	1.1	SW	2.2	SE	1.1	WSW
06:00-07:00 HOUR	0.9	SW	1.8	SE	1.0	WSW
07:00-08:00 HOUR	0.9	SW	1.6	SSW	1.2	SW

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME	: PAN ORIENT ENERGY (SIAM) LIMITED		
ADDRESS	: 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.		
CONTACT INFORMATION	: TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com		
MEASURING SOURCE	: L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)		
MEASURING TYPE	: AMBIENT (NOISE)	**RECEIVED DATE**	: APRIL 8-11, 2023
MEASURING DATE	: APRIL 8-11, 2023	**ANALYTICAL DATE**	: APRIL 8-11, 2023
MEASURING TIME	: *	**REPORT NO.**	: 2023-U027964
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER	**WORK NO.**	: 2023-001314
MEASURED BY	: MR WORAPHOT WONGKHAM	**ANALYSIS NO.**	: T23AG564-0001 - T23AG564-0003

TIME*	RESULT dB(A) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N) APRIL 8-9, 2023 T23AG564-0001		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	48.1	67.4	40.5
08:00-09:00 HOUR	49.0	67.1	39.5
09:00-10:00 HOUR	49.3	69.8	38.5
10:00-11:00 HOUR	46.5	68.2	36.8
11:00-12:00 HOUR	51.2	76.6	41.1
12:00-13:00 HOUR	50.2	72.6	42.0
13:00-14:00 HOUR	53.5	86.6	42.3
14:00-15:00 HOUR	51.9	69.1	45.5
15:00-16:00 HOUR	52.8	70.8	43.9
16:00-17:00 HOUR	52.6	71.4	44.9
17:00-18:00 HOUR	54.6	69.3	49.9
18:00-19:00 HOUR	50.9	68.6	43.5
19:00-20:00 HOUR	53.1	75.6	47.9
20:00-21:00 HOUR	52.9	65.9	50.4
21:00-22:00 HOUR	48.8	67.7	44.4
22:00-23:00 HOUR	45.2	69.6	39.3
23:00-00:00 HOUR	44.2	69.7	38.8
00:00-01:00 HOUR	45.1	68.1	38.5
01:00-02:00 HOUR	46.8	74.2	39.7
02:00-03:00 HOUR	45.3	62.1	39.9
03:00-04:00 HOUR	44.8	65.4	42.4
04:00-05:00 HOUR	46.3	63.3	43.8
05:00-06:00 HOUR	46.5	64.9	42.8
06:00-07:00 HOUR	50.1	71.3	42.7
$L_{Aeq\ 24\ hours}$		50.2	
L_{Adn}		54.0	

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TIME*	RESULT dB(A) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N) APRIL 9-10, 2023 T23AG564-0002		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	51.0	73.6	39.4
08:00-09:00 HOUR	51.4	71.5	40.0
09:00-10:00 HOUR	51.0	75.2	40.5
10:00-11:00 HOUR	50.3	71.9	37.2
11:00-12:00 HOUR	49.9	71.1	40.9
12:00-13:00 HOUR	50.9	70.8	42.6
13:00-14:00 HOUR	50.2	70.9	44.1
14:00-15:00 HOUR	50.7	75.3	42.5
15:00-16:00 HOUR	55.4	68.4	50.4
16:00-17:00 HOUR	50.4	72.2	41.7
17:00-18:00 HOUR	49.7	70.7	44.3
18:00-19:00 HOUR	52.9	78.7	44.4
19:00-20:00 HOUR	50.7	75.1	46.3
20:00-21:00 HOUR	50.8	72.9	46.4
21:00-22:00 HOUR	48.1	66.5	44.1
22:00-23:00 HOUR	45.1	64.4	43.2
23:00-00:00 HOUR	46.5	63.3	45.7
00:00-01:00 HOUR	46.0	62.3	44.2
01:00-02:00 HOUR	44.1	66.7	39.2
02:00-03:00 HOUR	44.4	67.2	40.0
03:00-04:00 HOUR	44.4	58.1	43.1
04:00-05:00 HOUR	43.1	56.3	40.4
05:00-06:00 HOUR	44.8	62.4	41.9
06:00-07:00 HOUR	50.0	73.7	43.4
$L_{Aeq\ 24\ hours}$		49.9	
L_{Adn}		53.6	

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TIME*	RESULT dB(A) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N) APRIL 10-11, 2023 T23AG564-0003		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	46.4	65.8	39.0
08:00-09:00 HOUR	47.2	70.7	40.3
09:00-10:00 HOUR	47.1	69.9	40.8
10:00-11:00 HOUR	47.3	64.6	41.4
11:00-12:00 HOUR	46.7	65.2	41.2
12:00-13:00 HOUR	46.2	66.7	41.7
13:00-14:00 HOUR	46.4	65.9	40.3
14:00-15:00 HOUR	47.3	63.3	42.7
15:00-16:00 HOUR	46.9	65.1	41.5
16:00-17:00 HOUR	47.6	69.4	40.8
17:00-18:00 HOUR	47.0	67.4	42.7
18:00-19:00 HOUR	47.6	67.9	42.6
19:00-20:00 HOUR	47.0	57.3	45.8
20:00-21:00 HOUR	48.2	69.3	46.2
21:00-22:00 HOUR	47.5	62.4	45.6
22:00-23:00 HOUR	43.7	51.8	42.7
23:00-00:00 HOUR	45.4	56.6	44.4
00:00-01:00 HOUR	42.7	59.2	40.4
01:00-02:00 HOUR	43.3	58.6	38.4
02:00-03:00 HOUR	42.7	50.6	37.5
03:00-04:00 HOUR	42.8	62.1	39.0
04:00-05:00 HOUR	43.3	65.2	39.6
05:00-06:00 HOUR	45.7	69.3	41.7
06:00-07:00 HOUR	47.5	67.4	41.6
$L_{Aeq\ 24\ hours}$		46.3	
L_{Adn}		51.4	

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING SOURCE : L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027965
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG564-0004 - T23AG564-0006

TIME*	RESULT dB(A) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N) APRIL 8-9, 2023 T23AG564-0004		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	51.3	72.5	42.1
08:00-09:00 HOUR	54.2	69.7	45.1
09:00-10:00 HOUR	53.5	73.6	44.8
10:00-11:00 HOUR	53.6	71.0	47.0
11:00-12:00 HOUR	55.0	71.1	49.0
12:00-13:00 HOUR	55.1	71.8	48.5
13:00-14:00 HOUR	55.3	68.5	47.8
14:00-15:00 HOUR	52.1	68.1	45.5
15:00-16:00 HOUR	52.9	77.5	46.1
16:00-17:00 HOUR	54.8	78.1	48.8
17:00-18:00 HOUR	53.5	74.4	47.7
18:00-19:00 HOUR	54.2	65.4	49.4
19:00-20:00 HOUR	54.8	63.0	52.7
20:00-21:00 HOUR	55.1	63.2	54.1
21:00-22:00 HOUR	53.9	70.2	51.4
22:00-23:00 HOUR	50.3	66.0	45.0
23:00-00:00 HOUR	49.7	64.7	43.9
00:00-01:00 HOUR	49.0	66.5	42.2
01:00-02:00 HOUR	48.4	68.3	42.7
02:00-03:00 HOUR	49.1	66.5	43.9
03:00-04:00 HOUR	49.8	62.2	45.7
04:00-05:00 HOUR	49.1	67.8	43.8
05:00-06:00 HOUR	48.2	66.9	40.4
06:00-07:00 HOUR	51.6	77.5	42.4
$L_{Aeq\ 24\ hours}$		52.9	
L_{Adn}		57.0	

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TIME*	RESULT dB(A)		
	L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)		
	APRIL 9-10, 2023		
	T23AG564-0005		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	53.9	78.4	44.4
08:00-09:00 HOUR	54.5	75.2	46.1
09:00-10:00 HOUR	53.7	75.0	43.7
10:00-11:00 HOUR	53.7	80.7	44.0
11:00-12:00 HOUR	54.8	77.8	43.1
12:00-13:00 HOUR	51.3	74.9	42.3
13:00-14:00 HOUR	52.1	74.1	41.0
14:00-15:00 HOUR	51.4	73.5	41.3
15:00-16:00 HOUR	53.0	73.9	43.1
16:00-17:00 HOUR	51.5	73.9	39.3
17:00-18:00 HOUR	54.2	76.7	44.6
18:00-19:00 HOUR	54.5	68.3	48.1
19:00-20:00 HOUR	54.4	67.6	52.6
20:00-21:00 HOUR	54.6	69.0	52.5
21:00-22:00 HOUR	53.0	69.3	50.1
22:00-23:00 HOUR	48.2	65.0	41.4
23:00-00:00 HOUR	47.8	62.9	44.0
00:00-01:00 HOUR	47.9	67.8	42.8
01:00-02:00 HOUR	47.8	64.4	41.9
02:00-03:00 HOUR	47.9	62.6	43.6
03:00-04:00 HOUR	47.5	67.1	41.5
04:00-05:00 HOUR	47.2	60.1	43.6
05:00-06:00 HOUR	48.1	65.0	45.6
06:00-07:00 HOUR	50.6	72.2	44.1
$L_{Aeq\ 24\ hours}$		52.2	
L_{Adn}		55.9	

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TIME*	RESULT dB(A)		
	L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)		
	APRIL 10-11, 2023		
	T23AG564-0006		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	50.7	69.2	43.7
08:00-09:00 HOUR	50.9	69.5	40.7
09:00-10:00 HOUR	52.2	73.0	41.2
10:00-11:00 HOUR	49.9	74.5	43.3
11:00-12:00 HOUR	51.9	71.0	42.1
12:00-13:00 HOUR	50.7	68.8	41.3
13:00-14:00 HOUR	49.7	69.7	40.9
14:00-15:00 HOUR	50.0	70.0	45.4
15:00-16:00 HOUR	49.2	71.0	45.2
16:00-17:00 HOUR	50.4	71.9	43.6
17:00-18:00 HOUR	51.0	75.9	42.4
18:00-19:00 HOUR	50.4	71.9	43.7
19:00-20:00 HOUR	50.4	71.9	39.6
20:00-21:00 HOUR	50.3	77.2	39.4
21:00-22:00 HOUR	48.4	71.4	39.8
22:00-23:00 HOUR	44.3	62.2	41.2
23:00-00:00 HOUR	43.5	69.5	41.1
00:00-01:00 HOUR	44.7	63.8	41.2
01:00-02:00 HOUR	44.0	61.3	39.1
02:00-03:00 HOUR	44.3	56.6	42.4
03:00-04:00 HOUR	44.1	61.2	39.0
04:00-05:00 HOUR	44.1	61.5	41.2
05:00-06:00 HOUR	45.0	64.8	41.8
06:00-07:00 HOUR	49.3	69.3	40.6
$L_{Aeq\ 24\ hours}$		49.2	
L_{Adn}		52.9	

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME	: PAN ORIENT ENERGY (SIAM) LIMITED		
ADDRESS	: 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.		
CONTACT INFORMATION	: TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com		
MEASURING SOURCE	: L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)		
MEASURING TYPE	: AMBIENT (NOISE)	**RECEIVED DATE**	: APRIL 8-11, 2023
MEASURING DATE	: APRIL 8-11, 2023	**ANALYTICAL DATE**	: APRIL 8-11, 2023
MEASURING TIME	: *	**REPORT NO.**	: 2023-U027966
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER	**WORK NO.**	: 2023-001314
MEASURED BY	: MR WORAPHOT WONGKHAM	**ANALYSIS NO.**	: T23AG564-0007 - T23AG564-0009

TIME*	RESULT dB(A) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N) APRIL 8-9, 2023 T23AG564-0007		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	52.0	75.5	45.7
08:00-09:00 HOUR	56.4	77.6	49.2
09:00-10:00 HOUR	57.4	80.8	51.8
10:00-11:00 HOUR	53.9	74.2	50.3
11:00-12:00 HOUR	57.3	74.1	55.6
12:00-13:00 HOUR	58.5	74.8	56.2
13:00-14:00 HOUR	55.1	71.1	51.9
14:00-15:00 HOUR	53.9	70.9	50.3
15:00-16:00 HOUR	54.7	81.7	50.9
16:00-17:00 HOUR	54.2	84.1	50.7
17:00-18:00 HOUR	53.7	77.5	50.9
18:00-19:00 HOUR	54.9	70.0	52.7
19:00-20:00 HOUR	54.6	67.5	53.3
20:00-21:00 HOUR	55.0	68.5	52.9
21:00-22:00 HOUR	55.5	79.0	51.7
22:00-23:00 HOUR	53.5	72.1	51.0
23:00-00:00 HOUR	51.9	70.9	48.1
00:00-01:00 HOUR	49.1	73.9	45.5
01:00-02:00 HOUR	50.3	75.3	46.1
02:00-03:00 HOUR	49.3	71.7	44.9
03:00-04:00 HOUR	49.8	66.6	44.6
04:00-05:00 HOUR	50.4	72.1	46.3
05:00-06:00 HOUR	48.6	73.2	42.2
06:00-07:00 HOUR	52.9	80.7	44.3
$L_{Aeq\ 24\ hours}$		54.3	
L_{Adn}		58.4	

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TIME*	RESULT dB(A) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N) APRIL 9-10, 2023 T23AG564-0008		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	52.4	76.2	46.7
08:00-09:00 HOUR	55.2	84.5	48.5
09:00-10:00 HOUR	55.3	80.1	48.5
10:00-11:00 HOUR	53.8	77.2	50.1
11:00-12:00 HOUR	56.1	81.1	46.9
12:00-13:00 HOUR	57.0	83.9	47.2
13:00-14:00 HOUR	55.0	80.0	45.3
14:00-15:00 HOUR	52.9	76.5	45.3
15:00-16:00 HOUR	54.0	79.0	45.4
16:00-17:00 HOUR	55.6	81.5	45.6
17:00-18:00 HOUR	57.4	80.9	49.7
18:00-19:00 HOUR	54.6	69.4	51.1
19:00-20:00 HOUR	54.7	67.8	52.4
20:00-21:00 HOUR	54.9	69.4	52.7
21:00-22:00 HOUR	54.1	76.1	49.2
22:00-23:00 HOUR	49.4	69.8	43.9
23:00-00:00 HOUR	50.4	71.0	44.8
00:00-01:00 HOUR	49.8	73.5	46.9
01:00-02:00 HOUR	48.1	70.1	44.7
02:00-03:00 HOUR	48.8	64.0	45.9
03:00-04:00 HOUR	48.2	69.9	44.0
04:00-05:00 HOUR	48.0	65.4	45.5
05:00-06:00 HOUR	48.7	68.9	46.3
06:00-07:00 HOUR	55.0	81.7	49.1
$L_{Aeq\ 24\ hours}$		53.8	
L_{Adn}		57.8	

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TIME*	RESULT dB(A)		
	L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)		
	APRIL 10-11, 2023		
	T23AG564-0009		
	$L_{Aeq\ 1\ hour}$	$L_{Amax\ 1\ hour}$	$L_{A90\ 1\ hour}$
07:00-08:00 HOUR	52.0	73.2	48.2
08:00-09:00 HOUR	51.3	71.3	44.8
09:00-10:00 HOUR	54.0	79.5	45.4
10:00-11:00 HOUR	52.6	77.6	49.0
11:00-12:00 HOUR	52.7	72.6	44.6
12:00-13:00 HOUR	55.1	74.9	46.6
13:00-14:00 HOUR	50.3	74.5	44.1
14:00-15:00 HOUR	49.5	73.8	46.1
15:00-16:00 HOUR	50.2	72.9	47.3
16:00-17:00 HOUR	50.0	75.2	45.5
17:00-18:00 HOUR	50.9	75.9	46.1
18:00-19:00 HOUR	53.4	75.6	48.7
19:00-20:00 HOUR	54.7	79.3	46.5
20:00-21:00 HOUR	52.6	78.6	43.1
21:00-22:00 HOUR	51.4	76.8	46.3
22:00-23:00 HOUR	49.8	73.6	45.5
23:00-00:00 HOUR	49.3	79.9	46.3
00:00-01:00 HOUR	49.0	66.3	45.7
01:00-02:00 HOUR	49.2	70.1	44.2
02:00-03:00 HOUR	49.2	63.6	45.9
03:00-04:00 HOUR	47.6	66.1	41.7
04:00-05:00 HOUR	49.7	69.3	47.0
05:00-06:00 HOUR	49.6	70.0	45.9
06:00-07:00 HOUR	50.5	70.6	46.0
$L_{Aeq\ 24\ hours}$	51.5		
L_{Adn}	56.4		

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)
MEASURING TYPE : AMBIENT (ANNOYANCE SOUND LEVEL) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027967
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG564-0001 - T23AG564-0003

DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 8, 2023	**DAY TIME** 1/					
T23AG564-0001	07:00-08:00 HOUR	48.1 1/	44.5 **	45.6 1/	38.4 **	7.2
	08:00-09:00 HOUR	49.0 1/	45.9 **	46.1 1/	39.1 **	7.0
	09:00-10:00 HOUR	49.3 1/	46.8 **	45.7 1/	39.2 **	6.5
	10:00-11:00 HOUR	46.5 1/	45.1 **	40.9 1/	40.2 **	<0.8
	11:00-12:00 HOUR	51.2 1/	47.6 **	48.7 1/	41.4 **	7.3
	12:00-13:00 HOUR	50.2 1/	45.2 **	48.5 1/	40.9 **	7.6
	13:00-14:00 HOUR	53.5 1/	48.4 **	51.9 1/	43.9 **	8.0
	14:00-15:00 HOUR	51.9 1/	47.9 **	49.7 1/	42.4 **	7.3
	15:00-16:00 HOUR	52.8 1/	47.8 **	51.1 1/	43.5 **	7.6
	16:00-17:00 HOUR	52.6 1/	47.5 **	51.0 1/	43.5 **	7.5
	17:00-18:00 HOUR	54.6 1/	48.8 **	53.3 1/	45.5 **	7.8
	18:00-19:00 HOUR	50.9 1/	45.2 **	49.5 1/	42.5 **	7.0
	19:00-20:00 HOUR	53.1 1/	47.0 **	51.9 1/	45.2 **	6.7
	20:00-21:00 HOUR	52.9 1/	47.4 **	51.5 1/	45.6 **	5.9
	21:00-22:00 HOUR	48.8 1/	43.5 **	47.3 1/	41.0 **	6.3
	NIGHT TIME 2/					
	22:00-22:05 HOUR	44.6 2/	41.2 ***	44.9 2/	36.7 ***	8.2
	22:05-22:10 HOUR	43.8 2/	41.2 ***	43.3 2/	36.7 ***	6.6
	22:10-22:15 HOUR	44.2 2/	41.2 ***	44.2 2/	36.7 ***	7.5
	22:15-22:20 HOUR	45.8 2/	43.9 ***	44.3 2/	40.1 ***	4.2
	22:20-22:25 HOUR	45.3 2/	43.9 ***	42.7 2/	40.1 ***	2.6
	22:25-22:30 HOUR	45.3 2/	43.9 ***	42.7 2/	40.1 ***	2.6
	22:30-22:35 HOUR	48.2 2/	45.4 ***	48.0 2/	41.2 ***	6.8
	22:35-22:40 HOUR	43.7 2/	45.4 ***	<0.8 2/	41.2 ***	<0.8
	22:40-22:45 HOUR	43.0 2/	45.4 ***	<0.8 2/	41.2 ***	<0.8
	22:45-22:50 HOUR	45.9 2/	44.4 ***	43.6 2/	39.5 ***	4.1
	22:50-22:55 HOUR	44.5 2/	44.4 ***	31.1 2/	39.5 ***	<0.8
	22:55-23:00 HOUR	45.6 2/	44.4 ***	42.4 2/	39.5 ***	2.9
	23:00-23:05 HOUR	46.1 2/	44.1 ***	44.8 2/	38.6 ***	6.2
	23:05-23:10 HOUR	44.3 2/	44.1 ***	33.8 2/	38.6 ***	<0.8
	23:10-23:15 HOUR	43.8 2/	44.1 ***	<0.8 2/	38.6 ***	<0.8
	23:15-23:20 HOUR	45.0 2/	42.2 ***	44.8 2/	37.8 ***	7.0
	23:20-23:25 HOUR	43.8 2/	42.2 ***	41.7 2/	37.8 ***	3.9
	23:25-23:30 HOUR	44.5 2/	42.2 ***	43.6 2/	37.8 ***	5.8

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 8, 2023	**NIGHT TIME** 2/					
T23AG564-0001	23:30-23:35 HOUR	44.1 2/	42.1 ***	42.8 2/	37.8 ***	5.0
	23:35-23:40 HOUR	43.4 2/	42.1 ***	40.5 2/	37.8 ***	2.7
	23:40-23:45 HOUR	44.8 2/	42.1 ***	44.5 2/	37.8 ***	6.7
	23:45-23:50 HOUR	43.5 2/	42.3 ***	40.3 2/	37.5 ***	2.8
	23:50-23:55 HOUR	41.9 2/	42.3 ***	<0.8 2/	37.5 ***	<0.8
	23:55-00:00 HOUR	44.5 2/	42.3 ***	43.5 2/	37.5 ***	6.0
APRIL 9, 2023	**NIGHT TIME** 2/					
T23AG564-0001	00:00-00:05 HOUR	45.8 2/	42.9 ***	45.7 2/	37.4 ***	8.3
	00:05-00:10 HOUR	43.4 2/	42.9 ***	36.8 2/	37.4 ***	<0.8
	00:10-00:15 HOUR	45.0 2/	42.9 ***	43.8 2/	37.4 ***	6.4
	00:15-00:20 HOUR	42.9 2/	40.4 ***	42.3 2/	35.1 ***	7.2
	00:20-00:25 HOUR	42.5 2/	40.4 ***	41.3 2/	35.1 ***	6.2
	00:25-00:30 HOUR	42.7 2/	40.4 ***	41.8 2/	35.1 ***	6.7
	00:30-00:35 HOUR	42.9 2/	40.8 ***	41.7 2/	34.7 ***	7.0
	00:35-00:40 HOUR	43.0 2/	40.8 ***	42.0 2/	34.7 ***	7.3
	00:40-00:45 HOUR	43.5 2/	40.8 ***	43.2 2/	34.7 ***	8.5
	00:45-00:50 HOUR	47.4 2/	46.9 ***	40.8 2/	40.6 ***	<0.8
	00:50-00:55 HOUR	48.3 2/	46.9 ***	45.7 2/	40.6 ***	5.1
	00:55-01:00 HOUR	47.2 2/	46.9 ***	38.4 2/	40.6 ***	<0.8
	01:00-01:05 HOUR	46.0 2/	44.9 ***	42.5 2/	37.8 ***	4.7
	01:05-01:10 HOUR	44.7 2/	44.9 ***	<0.8 2/	37.8 ***	<0.8
	01:10-01:15 HOUR	46.5 2/	44.9 ***	44.4 2/	37.8 ***	6.6
	01:15-01:20 HOUR	45.5 2/	44.8 ***	40.2 2/	37.8 ***	2.4
	01:20-01:25 HOUR	45.1 2/	44.8 ***	36.3 2/	37.8 ***	<0.8
	01:25-01:30 HOUR	46.6 2/	44.8 ***	44.9 2/	37.8 ***	7.1
	01:30-01:35 HOUR	48.6 2/	48.2 ***	41.0 2/	41.3 ***	<0.8
	01:35-01:40 HOUR	48.9 2/	48.2 ***	43.6 2/	41.3 ***	2.3
	01:40-01:45 HOUR	50.0 2/	48.2 ***	48.3 2/	41.3 ***	7.0
	01:45-01:50 HOUR	45.7 2/	44.1 ***	43.6 2/	38.6 ***	5.0
	01:50-01:55 HOUR	46.3 2/	44.1 ***	45.3 2/	38.6 ***	6.7
	01:55-02:00 HOUR	41.7 2/	44.1 ***	<0.8 2/	38.6 ***	<0.8
	02:00-02:05 HOUR	45.3 2/	42.2 ***	45.4 2/	39.6 ***	5.8
	02:05-02:10 HOUR	45.5 2/	42.2 ***	45.8 2/	39.6 ***	6.2
	02:10-02:15 HOUR	45.7 2/	42.2 ***	46.1 2/	39.6 ***	6.5
	02:15-02:20 HOUR	42.4 2/	44.1 ***	<0.8 2/	37.2 ***	<0.8
	02:20-02:25 HOUR	44.5 2/	44.1 ***	36.9 2/	37.2 ***	<0.8
	02:25-02:30 HOUR	45.8 2/	44.1 ***	43.9 2/	37.2 ***	6.7
	02:30-02:35 HOUR	47.6 2/	46.1 ***	45.3 2/	40.4 ***	4.9
	02:35-02:40 HOUR	48.2 2/	46.1 ***	47.0 2/	40.4 ***	6.6
	02:40-02:45 HOUR	41.0 2/	46.1 ***	<0.8 2/	40.4 ***	<0.8
	02:45-02:50 HOUR	43.7 2/	40.6 ***	43.8 2/	38.0 ***	5.8
	02:50-02:55 HOUR	44.2 2/	40.6 ***	44.7 2/	38.0 ***	6.7
	02:55-03:00 HOUR	45.0 2/	40.6 ***	46.0 2/	38.0 ***	8.0
	03:00-03:05 HOUR	44.6 2/	41.6 ***	44.6 2/	39.2 ***	5.4
	03:05-03:10 HOUR	44.6 2/	41.6 ***	44.6 2/	39.2 ***	5.4

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 9, 2023	**NIGHT TIME** 2/					
T23AG564-0001	03:10-03:15 HOUR	42.6 2/	41.6 ***	38.7 2/	39.2 ***	<0.8
	03:15-03:20 HOUR	42.7 2/	43.4 ***	<0.8 2/	41.5 ***	<0.8
	03:20-03:25 HOUR	44.4 2/	43.4 ***	40.5 2/	41.5 ***	<0.8
	03:25-03:30 HOUR	43.9 2/	43.4 ***	37.3 2/	41.5 ***	<0.8
	03:30-03:35 HOUR	46.4 2/	41.3 ***	47.8 2/	39.9 ***	7.9
	03:35-03:40 HOUR	44.9 2/	41.3 ***	45.4 2/	39.9 ***	5.5
	03:40-03:45 HOUR	45.6 2/	41.3 ***	46.6 2/	39.9 ***	6.7
	03:45-03:50 HOUR	44.4 2/	41.9 ***	43.8 2/	40.6 ***	3.2
	03:50-03:55 HOUR	46.0 2/	41.9 ***	46.9 2/	40.6 ***	6.3
	03:55-04:00 HOUR	45.9 2/	41.9 ***	46.7 2/	40.6 ***	6.1
	04:00-04:05 HOUR	47.8 2/	43.0 ***	49.1 2/	41.8 ***	7.3
	04:05-04:10 HOUR	46.3 2/	43.0 ***	46.6 2/	41.8 ***	4.8
	04:10-04:15 HOUR	42.6 2/	43.0 ***	<0.8 2/	41.8 ***	<0.8
	04:15-04:20 HOUR	44.1 2/	43.1 ***	40.2 2/	41.8 ***	<0.8
	04:20-04:25 HOUR	48.7 2/	43.1 ***	50.3 2/	41.8 ***	8.5
	04:25-04:30 HOUR	45.1 2/	43.1 ***	43.8 2/	41.8 ***	2.0
	04:30-04:35 HOUR	45.4 2/	42.6 ***	45.2 2/	41.1 ***	4.1
	04:35-04:40 HOUR	47.9 2/	42.6 ***	49.4 2/	41.1 ***	8.3
	04:40-04:45 HOUR	47.2 2/	42.6 ***	48.4 2/	41.1 ***	7.3
	04:45-04:50 HOUR	44.9 2/	41.7 ***	45.1 2/	38.9 ***	6.2
	04:50-04:55 HOUR	45.8 2/	41.7 ***	46.7 2/	38.9 ***	7.8
	04:55-05:00 HOUR	45.6 2/	41.7 ***	46.3 2/	38.9 ***	7.4
	05:00-05:05 HOUR	44.8 2/	41.3 ***	45.2 2/	39.3 ***	5.9
	05:05-05:10 HOUR	45.3 2/	41.3 ***	46.1 2/	39.3 ***	6.8
	05:10-05:15 HOUR	46.0 2/	41.3 ***	47.2 2/	39.3 ***	7.9
	05:15-05:20 HOUR	43.2 2/	42.4 ***	38.5 2/	38.9 ***	<0.8
	05:20-05:25 HOUR	43.5 2/	42.4 ***	40.0 2/	38.9 ***	1.1
	05:25-05:30 HOUR	45.3 2/	42.4 ***	45.2 2/	38.9 ***	6.3
	05:30-05:35 HOUR	48.4 2/	44.6 ***	49.1 2/	41.2 ***	7.9
	05:35-05:40 HOUR	48.7 2/	44.6 ***	49.6 2/	41.2 ***	8.4
	05:40-05:45 HOUR	45.3 2/	44.6 ***	40.0 2/	41.2 ***	<0.8
	05:45-05:50 HOUR	43.4 2/	46.5 ***	<0.8 2/	43.1 ***	<0.8
	05:50-05:55 HOUR	46.8 2/	46.5 ***	38.0 2/	43.1 ***	<0.8
	05:55-06:00 HOUR	50.4 2/	46.5 ***	51.1 2/	43.1 ***	8.0
	DAY TIME 1/					
	06:00-07:00 HOUR	50.1 1/	45.3 **	48.4 1/	40.0 **	8.4
APRIL 9, 2023	**DAY TIME** 1/					
T23AG564-0002	07:00-08:00 HOUR	51.0 1/	49.6 **	45.4 1/	38.9 **	6.5
	08:00-09:00 HOUR	51.4 1/	50.4 **	44.5 1/	39.5 **	5.0
	09:00-10:00 HOUR	51.0 1/	47.9 **	48.1 1/	39.9 **	8.2
	10:00-11:00 HOUR	50.3 1/	50.3 **	<0.8 1/	37.3 **	<0.8
	11:00-12:00 HOUR	49.9 1/	46.4 **	47.3 1/	40.1 **	7.2
	12:00-13:00 HOUR	50.9 1/	47.6 **	48.2 1/	41.5 **	6.7
	13:00-14:00 HOUR	50.2 1/	46.0 **	48.1 1/	41.5 **	6.6
	14:00-15:00 HOUR	50.7 1/	45.7 **	49.0 1/	41.1 **	7.9

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 9, 2023	**DAY TIME** 1/					
T23AG564-0002	15:00-16:00 HOUR	55.4 1/	51.4 **	53.2 1/	46.1 **	7.1
	16:00-17:00 HOUR	50.4 1/	46.7 **	48.0 1/	41.0 **	7.0
	17:00-18:00 HOUR	49.7 1/	46.4 **	47.0 1/	41.6 **	5.4
	18:00-19:00 HOUR	52.9 1/	47.5 **	51.4 1/	43.9 **	7.5
	19:00-20:00 HOUR	50.7 1/	46.8 **	48.4 1/	44.5 **	3.9
	20:00-21:00 HOUR	50.8 1/	46.7 **	48.7 1/	43.8 **	4.9
	21:00-22:00 HOUR	48.1 1/	46.1 **	43.8 1/	41.8 **	2.0
	NIGHT TIME 2/					
	22:00-22:05 HOUR	47.5 2/	43.5 ***	48.3 2/	42.1 ***	6.2
	22:05-22:10 HOUR	43.8 2/	43.5 ***	35.0 2/	42.1 ***	<0.8
	22:10-22:15 HOUR	45.1 2/	43.5 ***	43.0 2/	42.1 ***	0.9
	22:15-22:20 HOUR	45.1 2/	42.9 ***	44.1 2/	41.7 ***	2.4
	22:20-22:25 HOUR	43.5 2/	42.9 ***	37.6 2/	41.7 ***	<0.8
	22:25-22:30 HOUR	46.5 2/	42.9 ***	47.0 2/	41.7 ***	5.3
	22:30-22:35 HOUR	47.2 2/	42.5 ***	48.4 2/	41.3 ***	7.1
	22:35-22:40 HOUR	43.5 2/	42.5 ***	39.6 2/	41.3 ***	<0.8
	22:40-22:45 HOUR	42.5 2/	42.5 ***	<0.8 2/	41.3 ***	<0.8
	22:45-22:50 HOUR	44.9 2/	42.2 ***	44.6 2/	41.2 ***	3.4
	22:50-22:55 HOUR	44.4 2/	42.2 ***	43.4 2/	41.2 ***	2.2
	22:55-23:00 HOUR	44.3 2/	42.2 ***	43.1 2/	41.2 ***	1.9
	23:00-23:05 HOUR	45.2 2/	43.7 ***	42.9 2/	42.5 ***	<0.8
	23:05-23:10 HOUR	47.0 2/	43.7 ***	47.3 2/	42.5 ***	4.8
	23:10-23:15 HOUR	47.9 2/	43.7 ***	48.8 2/	42.5 ***	6.3
	23:15-23:20 HOUR	47.1 2/	44.3 ***	46.9 2/	42.7 ***	4.2
	23:20-23:25 HOUR	47.1 2/	44.3 ***	46.9 2/	42.7 ***	4.2
	23:25-23:30 HOUR	48.0 2/	44.3 ***	48.6 2/	42.7 ***	5.9
	23:30-23:35 HOUR	47.2 2/	43.6 ***	47.7 2/	42.2 ***	5.5
	23:35-23:40 HOUR	45.1 2/	43.6 ***	42.8 2/	42.2 ***	<0.8
	23:40-23:45 HOUR	47.2 2/	43.6 ***	47.7 2/	42.2 ***	5.5
	23:45-23:50 HOUR	42.9 2/	43.3 ***	<0.8 2/	42.7 ***	<0.8
	23:50-23:55 HOUR	46.2 2/	43.3 ***	46.1 2/	42.7 ***	3.4
	23:55-00:00 HOUR	43.8 2/	43.3 ***	37.2 2/	42.7 ***	<0.8
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0002	00:00-00:05 HOUR	46.1 2/	43.5 ***	45.6 2/	42.6 ***	3.0
	00:05-00:10 HOUR	49.2 2/	43.5 ***	50.8 2/	42.6 ***	8.2
	00:10-00:15 HOUR	44.9 2/	43.5 ***	42.3 2/	42.6 ***	<0.8
	00:15-00:20 HOUR	46.5 2/	44.3 ***	45.5 2/	43.4 ***	2.1
	00:20-00:25 HOUR	43.8 2/	44.3 ***	<0.8 2/	43.4 ***	<0.8
	00:25-00:30 HOUR	46.6 2/	44.3 ***	45.7 2/	43.4 ***	2.3
	00:30-00:35 HOUR	47.0 2/	44.6 ***	46.3 2/	39.3 ***	7.0
	00:35-00:40 HOUR	44.7 2/	44.6 ***	31.3 2/	39.3 ***	<0.8
	00:40-00:45 HOUR	43.1 2/	44.6 ***	<0.8 2/	39.3 ***	<0.8
	00:45-00:50 HOUR	45.7 2/	44.3 ***	43.1 2/	37.8 ***	5.3
	00:50-00:55 HOUR	45.2 2/	44.3 ***	40.9 2/	37.8 ***	3.1
	00:55-01:00 HOUR	45.9 2/	44.3 ***	43.8 2/	37.8 ***	6.0

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0002	01:00-01:05 HOUR	44.4 2/	44.0 ***	36.8 2/	38.6 ***	<0.8
	01:05-01:10 HOUR	46.3 2/	44.0 ***	45.4 2/	38.6 ***	6.8
	01:10-01:15 HOUR	42.3 2/	44.0 ***	<0.8 2/	38.6 ***	<0.8
	01:15-01:20 HOUR	44.6 2/	41.1 ***	45.0 2/	37.1 ***	7.9
	01:20-01:25 HOUR	44.0 2/	41.1 ***	43.9 2/	37.1 ***	6.8
	01:25-01:30 HOUR	42.7 2/	41.1 ***	40.6 2/	37.1 ***	3.5
	01:30-01:35 HOUR	42.0 2/	41.0 ***	38.1 2/	37.7 ***	<0.8
	01:35-01:40 HOUR	41.6 2/	41.0 ***	35.7 2/	37.7 ***	<0.8
	01:40-01:45 HOUR	43.6 2/	41.0 ***	43.1 2/	37.7 ***	5.4
	01:45-01:50 HOUR	45.6 2/	42.9 ***	45.3 2/	39.4 ***	5.9
	01:50-01:55 HOUR	42.2 2/	42.9 ***	<0.8 2/	39.4 ***	<0.8
	01:55-02:00 HOUR	46.1 2/	42.9 ***	46.3 2/	39.4 ***	6.9
	02:00-02:05 HOUR	45.1 2/	44.8 ***	36.3 2/	41.8 ***	<0.8
	02:05-02:10 HOUR	41.5 2/	44.8 ***	<0.8 2/	41.8 ***	<0.8
	02:10-02:15 HOUR	44.1 2/	44.8 ***	<0.8 2/	41.8 ***	<0.8
	02:15-02:20 HOUR	45.2 2/	43.1 ***	44.0 2/	38.9 ***	5.1
	02:20-02:25 HOUR	42.6 2/	43.1 ***	<0.8 2/	38.9 ***	<0.8
	02:25-02:30 HOUR	43.5 2/	43.1 ***	35.9 2/	38.9 ***	<0.8
	02:30-02:35 HOUR	44.3 2/	42.0 ***	43.4 2/	38.9 ***	4.5
	02:35-02:40 HOUR	45.3 2/	42.0 ***	45.6 2/	38.9 ***	6.7
	02:40-02:45 HOUR	43.8 2/	42.0 ***	42.1 2/	38.9 ***	3.2
	02:45-02:50 HOUR	45.6 2/	42.4 ***	45.8 2/	40.4 ***	5.4
	02:50-02:55 HOUR	43.0 2/	42.4 ***	37.1 2/	40.4 ***	<0.8
	02:55-03:00 HOUR	46.1 2/	42.4 ***	46.7 2/	40.4 ***	6.3
	03:00-03:05 HOUR	45.6 2/	41.0 ***	46.8 2/	39.6 ***	7.2
	03:05-03:10 HOUR	41.8 2/	41.0 ***	37.1 2/	39.6 ***	<0.8
	03:10-03:15 HOUR	45.0 2/	41.0 ***	45.8 2/	39.6 ***	6.2
	03:15-03:20 HOUR	45.1 2/	41.3 ***	45.8 2/	39.7 ***	6.1
	03:20-03:25 HOUR	43.4 2/	41.3 ***	42.2 2/	39.7 ***	2.5
	03:25-03:30 HOUR	43.3 2/	41.3 ***	42.0 2/	39.7 ***	2.3
	03:30-03:35 HOUR	43.8 2/	42.0 ***	42.1 2/	40.6 ***	1.5
	03:35-03:40 HOUR	40.1 2/	42.0 ***	<0.8 2/	40.6 ***	<0.8
	03:40-03:45 HOUR	45.9 2/	42.0 ***	46.6 2/	40.6 ***	6.0
	03:45-03:50 HOUR	45.5 2/	42.6 ***	45.4 2/	40.4 ***	5.0
	03:50-03:55 HOUR	45.2 2/	42.6 ***	44.7 2/	40.4 ***	4.3
	03:55-04:00 HOUR	44.4 2/	42.6 ***	42.7 2/	40.4 ***	2.3
	04:00-04:05 HOUR	45.3 2/	41.2 ***	46.2 2/	39.1 ***	7.1
	04:05-04:10 HOUR	42.5 2/	41.2 ***	39.6 2/	39.1 ***	<0.8
	04:10-04:15 HOUR	44.8 2/	41.2 ***	45.3 2/	39.1 ***	6.2
	04:15-04:20 HOUR	43.2 2/	40.0 ***	43.4 2/	37.1 ***	6.3
	04:20-04:25 HOUR	41.1 2/	40.0 ***	37.6 2/	37.1 ***	<0.8
	04:25-04:30 HOUR	40.8 2/	40.0 ***	36.1 2/	37.1 ***	<0.8
	04:30-04:35 HOUR	40.6 2/	40.2 ***	33.0 2/	38.0 ***	<0.8
	04:35-04:40 HOUR	42.6 2/	40.2 ***	41.9 2/	38.0 ***	3.9
	04:40-04:45 HOUR	42.8 2/	40.2 ***	42.3 2/	38.0 ***	4.3

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0002	04:45-04:50 HOUR	43.6 2/	40.7 ***	43.5 2/	38.7 ***	4.8
	04:50-04:55 HOUR	42.3 2/	40.7 ***	40.2 2/	38.7 ***	1.5
	04:55-05:00 HOUR	44.5 2/	40.7 ***	45.2 2/	38.7 ***	6.5
	05:00-05:05 HOUR	41.4 2/	42.0 ***	<0.8 2/	40.2 ***	<0.8
	05:05-05:10 HOUR	45.7 2/	42.0 ***	46.3 2/	40.2 ***	6.1
	05:10-05:15 HOUR	41.1 2/	42.0 ***	<0.8 2/	40.2 ***	<0.8
	05:15-05:20 HOUR	45.0 2/	41.8 ***	45.2 2/	39.1 ***	6.1
	05:20-05:25 HOUR	45.5 2/	41.8 ***	46.1 2/	39.1 ***	7.0
	05:25-05:30 HOUR	43.1 2/	41.8 ***	40.2 2/	39.1 ***	1.1
	05:30-05:35 HOUR	43.7 2/	43.0 ***	38.4 2/	40.4 ***	<0.8
	05:35-05:40 HOUR	46.4 2/	43.0 ***	46.7 2/	40.4 ***	6.3
	05:40-05:45 HOUR	46.2 2/	43.0 ***	46.4 2/	40.4 ***	6.0
	05:45-05:50 HOUR	43.6 2/	44.6 ***	<0.8 2/	41.6 ***	<0.8
	05:50-05:55 HOUR	48.1 2/	44.6 ***	48.5 2/	41.6 ***	6.9
	05:55-06:00 HOUR	41.9 2/	44.6 ***	<0.8 2/	41.6 ***	<0.8
	DAY TIME 1/					
	06:00-07:00 HOUR	50.0 1/	44.6 **	48.5 1/	41.3 **	7.2
APRIL 10, 2023	**DAY TIME** 1/					
T23AG564-0003	07:00-08:00 HOUR	46.4 1/	45.0 **	40.8 1/	37.1 **	3.7
	08:00-09:00 HOUR	47.2 1/	43.3 **	44.9 1/	38.1 **	6.8
	09:00-10:00 HOUR	47.1 1/	45.0 **	42.9 1/	40.2 **	2.7
	10:00-11:00 HOUR	47.3 1/	45.5 **	42.6 1/	40.8 **	1.8
	11:00-12:00 HOUR	46.7 1/	43.4 **	44.0 1/	39.4 **	4.6
	12:00-13:00 HOUR	46.2 1/	45.4 **	38.5 1/	40.9 **	<0.8
	13:00-14:00 HOUR	46.4 1/	44.3 **	42.2 1/	39.0 **	3.2
	14:00-15:00 HOUR	47.3 1/	46.0 **	41.4 1/	41.7 **	<0.8
	15:00-16:00 HOUR	46.9 1/	43.6 **	44.2 1/	40.4 **	3.8
	16:00-17:00 HOUR	47.6 1/	45.6 **	43.3 1/	40.2 **	3.1
	17:00-18:00 HOUR	47.0 1/	45.8 **	40.8 1/	40.2 **	<0.8
	18:00-19:00 HOUR	47.6 1/	46.9 **	39.3 1/	41.6 **	<0.8
	19:00-20:00 HOUR	47.0 1/	45.0 **	42.7 1/	43.7 **	<0.8
	20:00-21:00 HOUR	48.2 1/	45.6 **	44.7 1/	44.1 **	<0.8
	21:00-22:00 HOUR	47.5 1/	44.3 **	44.7 1/	42.9 **	1.8
	NIGHT TIME 2/					
	22:00-22:05 HOUR	43.3 2/	42.2 ***	39.8 2/	41.5 ***	<0.8
	22:05-22:10 HOUR	47.0 2/	42.2 ***	48.3 2/	41.5 ***	6.8
	22:10-22:15 HOUR	43.7 2/	42.2 ***	41.4 2/	41.5 ***	<0.8
	22:15-22:20 HOUR	43.6 2/	41.8 ***	41.9 2/	41.0 ***	0.9
	22:20-22:25 HOUR	44.5 2/	41.8 ***	44.2 2/	41.0 ***	3.2
	22:25-22:30 HOUR	40.7 2/	41.8 ***	<0.8 2/	41.0 ***	<0.8
	22:30-22:35 HOUR	42.9 2/	42.2 ***	37.6 2/	40.2 ***	<0.8
	22:35-22:40 HOUR	44.7 2/	42.2 ***	44.1 2/	40.2 ***	3.9
	22:40-22:45 HOUR	44.7 2/	42.2 ***	44.1 2/	40.2 ***	3.9
	22:45-22:50 HOUR	39.8 2/	42.1 ***	<0.8 2/	41.0 ***	<0.8
	22:50-22:55 HOUR	43.8 2/	42.1 ***	41.9 2/	41.0 ***	0.9

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** [2]					
T23AG564-0003	22:55-23:00 HOUR	40.6 [2]	42.1 ***	<0.8 [2]	41.0 ***	<0.8
	23:00-23:05 HOUR	47.1 [2]	45.0 ***	45.9 [2]	43.9 ***	2.0
	23:05-23:10 HOUR	46.5 [2]	45.0 ***	44.2 [2]	43.9 ***	<0.8
	23:10-23:15 HOUR	45.7 [2]	45.0 ***	40.4 [2]	43.9 ***	<0.8
	23:15-23:20 HOUR	45.6 [2]	43.7 ***	44.1 [2]	42.8 ***	1.3
	23:20-23:25 HOUR	46.4 [2]	43.7 ***	46.1 [2]	42.8 ***	3.3
	23:25-23:30 HOUR	43.1 [2]	43.7 ***	<0.8 [2]	42.8 ***	<0.8
	23:30-23:35 HOUR	47.0 [2]	42.4 ***	48.2 [2]	41.3 ***	6.9
	23:35-23:40 HOUR	44.7 [2]	42.4 ***	43.8 [2]	41.3 ***	2.5
	23:40-23:45 HOUR	45.0 [2]	42.4 ***	44.5 [2]	41.3 ***	3.2
	23:45-23:50 HOUR	44.3 [2]	41.9 ***	43.6 [2]	39.4 ***	4.2
	23:50-23:55 HOUR	39.2 [2]	41.9 ***	<0.8 [2]	39.4 ***	<0.8
	23:55-00:00 HOUR	46.1 [2]	41.9 ***	47.0 [2]	39.4 ***	7.6
APRIL 11, 2023	**NIGHT TIME** [2]					
T23AG564-0003	00:00-00:05 HOUR	44.2 [2]	41.8 ***	43.5 [2]	40.3 ***	3.2
	00:05-00:10 HOUR	41.3 [2]	41.8 ***	<0.8 [2]	40.3 ***	<0.8
	00:10-00:15 HOUR	44.8 [2]	41.8 ***	44.8 [2]	40.3 ***	4.5
	00:15-00:20 HOUR	40.5 [2]	39.1 ***	37.9 [2]	37.3 ***	<0.8
	00:20-00:25 HOUR	40.5 [2]	39.1 ***	37.9 [2]	37.3 ***	<0.8
	00:25-00:30 HOUR	40.2 [2]	39.1 ***	36.7 [2]	37.3 ***	<0.8
	00:30-00:35 HOUR	42.8 [2]	41.4 ***	40.2 [2]	39.9 ***	<0.8
	00:35-00:40 HOUR	39.3 [2]	41.4 ***	<0.8 [2]	39.9 ***	<0.8
	00:40-00:45 HOUR	44.5 [2]	41.4 ***	44.6 [2]	39.9 ***	4.7
	00:45-00:50 HOUR	43.1 [2]	41.5 ***	41.0 [2]	39.0 ***	2.0
	00:50-00:55 HOUR	42.5 [2]	41.5 ***	38.6 [2]	39.0 ***	<0.8
	00:55-01:00 HOUR	44.0 [2]	41.5 ***	43.4 [2]	39.0 ***	4.4
	01:00-01:05 HOUR	44.4 [2]	42.9 ***	42.1 [2]	36.9 ***	5.2
	01:05-01:10 HOUR	42.0 [2]	42.9 ***	<0.8 [2]	36.9 ***	<0.8
	01:10-01:15 HOUR	43.6 [2]	42.9 ***	38.3 [2]	36.9 ***	1.4
	01:15-01:20 HOUR	44.3 [2]	43.1 ***	41.1 [2]	38.8 ***	2.3
	01:20-01:25 HOUR	44.9 [2]	43.1 ***	43.2 [2]	38.8 ***	4.4
	01:25-01:30 HOUR	44.3 [2]	43.1 ***	41.1 [2]	38.8 ***	2.3
	01:30-01:35 HOUR	42.8 [2]	41.3 ***	40.5 [2]	36.9 ***	3.6
	01:35-01:40 HOUR	44.4 [2]	41.3 ***	44.5 [2]	36.9 ***	7.6
	01:40-01:45 HOUR	39.9 [2]	41.3 ***	<0.8 [2]	36.9 ***	<0.8
	01:45-01:50 HOUR	43.4 [2]	39.4 ***	44.2 [2]	35.7 ***	8.5
	01:50-01:55 HOUR	41.0 [2]	39.4 ***	38.9 [2]	35.7 ***	3.2
	01:55-02:00 HOUR	41.1 [2]	39.4 ***	39.2 [2]	35.7 ***	3.5
	02:00-02:05 HOUR	42.2 [2]	40.4 ***	40.5 [2]	36.1 ***	4.4
	02:05-02:10 HOUR	42.0 [2]	40.4 ***	39.9 [2]	36.1 ***	3.8
	02:10-02:15 HOUR	40.8 [2]	40.4 ***	33.2 [2]	36.1 ***	<0.8
	02:15-02:20 HOUR	43.4 [2]	42.9 ***	36.8 [2]	38.3 ***	<0.8
	02:20-02:25 HOUR	44.0 [2]	42.9 ***	40.5 [2]	38.3 ***	2.2
	02:25-02:30 HOUR	44.0 [2]	42.9 ***	40.5 [2]	38.3 ***	2.2
	02:30-02:35 HOUR	43.3 [2]	41.3 ***	42.0 [2]	34.5 ***	7.5

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 11, 2023	**NIGHT TIME** [2]					
T23AG564-0003	02:35-02:40 HOUR	43.7 [2]	41.3 ***	43.0 [2]	34.5 ***	8.5
	02:40-02:45 HOUR	40.4 [2]	41.3 ***	<0.8 [2]	34.5 ***	<0.8
	02:45-02:50 HOUR	42.4 [2]	40.0 ***	41.7 [2]	36.4 ***	5.3
	02:50-02:55 HOUR	40.7 [2]	40.0 ***	35.4 [2]	36.4 ***	<0.8
	02:55-03:00 HOUR	42.9 [2]	40.0 ***	42.8 [2]	36.4 ***	6.4
	03:00-03:05 HOUR	40.1 [2]	42.0 ***	<0.8 [2]	40.1 ***	<0.8
	03:05-03:10 HOUR	43.2 [2]	42.0 ***	40.0 [2]	40.1 ***	<0.8
	03:10-03:15 HOUR	46.0 [2]	42.0 ***	46.8 [2]	40.1 ***	6.7
	03:15-03:20 HOUR	39.4 [2]	41.4 ***	<0.8 [2]	39.4 ***	<0.8
	03:20-03:25 HOUR	45.7 [2]	41.4 ***	46.7 [2]	39.4 ***	7.3
	03:25-03:30 HOUR	40.9 [2]	41.4 ***	<0.8 [2]	39.4 ***	<0.8
	03:30-03:35 HOUR	44.9 [2]	40.3 ***	46.1 [2]	38.2 ***	7.9
	03:35-03:40 HOUR	42.3 [2]	40.3 ***	41.0 [2]	38.2 ***	2.8
	03:40-03:45 HOUR	40.4 [2]	40.3 ***	27.0 [2]	38.2 ***	<0.8
	03:45-03:50 HOUR	40.6 [2]	40.4 ***	30.1 [2]	37.7 ***	<0.8
	03:50-03:55 HOUR	42.7 [2]	40.4 ***	41.8 [2]	37.7 ***	4.1
	03:55-04:00 HOUR	40.5 [2]	40.4 ***	27.1 [2]	37.7 ***	<0.8
	04:00-04:05 HOUR	41.0 [2]	42.3 ***	<0.8 [2]	39.4 ***	<0.8
	04:05-04:10 HOUR	45.2 [2]	42.3 ***	45.1 [2]	39.4 ***	5.7
	04:10-04:15 HOUR	44.5 [2]	42.3 ***	43.5 [2]	39.4 ***	4.1
	04:15-04:20 HOUR	42.6 [2]	42.5 ***	29.2 [2]	38.8 ***	<0.8
	04:20-04:25 HOUR	45.9 [2]	42.5 ***	46.2 [2]	38.8 ***	7.4
	04:25-04:30 HOUR	41.7 [2]	42.5 ***	<0.8 [2]	38.8 ***	<0.8
	04:30-04:35 HOUR	41.3 [2]	42.0 ***	<0.8 [2]	39.5 ***	<0.8
	04:35-04:40 HOUR	41.3 [2]	42.0 ***	<0.8 [2]	39.5 ***	<0.8
	04:40-04:45 HOUR	45.1 [2]	42.0 ***	45.2 [2]	39.5 ***	5.7
	04:45-04:50 HOUR	42.7 [2]	40.3 ***	42.0 [2]	37.1 ***	4.9
	04:50-04:55 HOUR	43.3 [2]	40.3 ***	43.3 [2]	37.1 ***	6.2
	04:55-05:00 HOUR	40.6 [2]	40.3 ***	31.8 [2]	37.1 ***	<0.8
	05:00-05:05 HOUR	41.0 [2]	42.8 ***	<0.8 [2]	39.6 ***	<0.8
	05:05-05:10 HOUR	40.5 [2]	42.8 ***	<0.8 [2]	39.6 ***	<0.8
	05:10-05:15 HOUR	44.5 [2]	42.8 ***	42.6 [2]	39.6 ***	3.0
	05:15-05:20 HOUR	46.1 [2]	44.3 ***	44.4 [2]	41.2 ***	3.2
	05:20-05:25 HOUR	47.5 [2]	44.3 ***	47.7 [2]	41.2 ***	6.5
	05:25-05:30 HOUR	41.8 [2]	44.3 ***	<0.8 [2]	41.2 ***	<0.8
	05:30-05:35 HOUR	47.7 [2]	45.9 ***	46.0 [2]	43.3 ***	2.7
	05:35-05:40 HOUR	47.8 [2]	45.9 ***	46.3 [2]	43.3 ***	3.0
	05:40-05:45 HOUR	47.8 [2]	45.9 ***	46.3 [2]	43.3 ***	3.0
	05:45-05:50 HOUR	43.8 [2]	43.4 ***	36.2 [2]	39.2 ***	<0.8
	05:50-05:55 HOUR	46.6 [2]	43.4 ***	46.8 [2]	39.2 ***	7.6
	05:55-06:00 HOUR	44.8 [2]	43.4 ***	42.2 [2]	39.2 ***	3.0

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DATE	TIME*	RESULT (dB(A)) L53-GN1 (UTM WGS 84 ZONE 47P 601147E 1551539N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 11, 2023	**DAY TIME** 1/					
T23AG564-0003	06:00-07:00 HOUR	47.5 1/	45.2 **	43.6 1/	40.1 **	3.5

REMARK :
1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS $L_{Aeq\ 1\ hour}$.
2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS $L_{Aeq\ 5\ minutes}$.
** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 11 TIMES MEASURING.
(55 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR)
AND RESIDUAL SOUND LEVEL ($L_{Aeq\ 5\ minutes}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
*** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)
AND RESIDUAL SOUND LEVEL ($L_{Aeq\ 5\ minutes}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)
MEASURING TYPE : AMBIENT (ANNOYANCE SOUND LEVEL) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027969
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG564-0004 - T23AG564-0006

DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 8, 2023	**DAY TIME** 1/					
T23AG564-0004	07:00-08:00 HOUR	51.3 1/	47.0 **	49.3 1/	41.3 **	8.0
	08:00-09:00 HOUR	54.2 1/	49.6 **	52.4 1/	44.0 **	8.4
	09:00-10:00 HOUR	53.5 1/	49.2 **	51.5 1/	43.3 **	8.2
	10:00-11:00 HOUR	53.6 1/	51.0 **	50.1 1/	44.2 **	5.9
	11:00-12:00 HOUR	55.0 1/	52.0 **	52.0 1/	46.0 **	6.0
	12:00-13:00 HOUR	55.1 1/	51.8 **	52.4 1/	46.0 **	6.4
	13:00-14:00 HOUR	55.3 1/	51.6 **	52.9 1/	45.5 **	7.4
	14:00-15:00 HOUR	52.1 1/	48.9 **	49.3 1/	42.0 **	7.3
	15:00-16:00 HOUR	52.9 1/	49.6 **	50.2 1/	43.5 **	6.7
	16:00-17:00 HOUR	54.8 1/	51.2 **	52.3 1/	46.0 **	6.3
	17:00-18:00 HOUR	53.5 1/	49.5 **	51.3 1/	44.3 **	7.0
	18:00-19:00 HOUR	54.2 1/	50.8 **	51.5 1/	46.3 **	5.2
	19:00-20:00 HOUR	54.8 1/	51.5 **	52.1 1/	49.5 **	2.6
	20:00-21:00 HOUR	55.1 1/	52.1 **	52.1 1/	50.7 **	1.4
	21:00-22:00 HOUR	53.9 1/	52.1 **	49.2 1/	47.1 **	2.1
	NIGHT TIME 2/					
	22:00-22:05 HOUR	51.0 2/	48.4 ***	50.5 2/	43.3 ***	7.2
	22:05-22:10 HOUR	50.6 2/	48.4 ***	49.6 2/	43.3 ***	6.3
	22:10-22:15 HOUR	51.1 2/	48.4 ***	50.8 2/	43.3 ***	7.5
	22:15-22:20 HOUR	50.5 2/	48.1 ***	49.8 2/	43.0 ***	6.8
	22:20-22:25 HOUR	51.2 2/	48.1 ***	51.3 2/	43.0 ***	8.3
	22:25-22:30 HOUR	49.8 2/	48.1 ***	47.9 2/	43.0 ***	4.9
	22:30-22:35 HOUR	49.0 2/	47.7 ***	46.1 2/	42.4 ***	3.7
	22:35-22:40 HOUR	48.9 2/	47.7 ***	45.7 2/	42.4 ***	3.3
	22:40-22:45 HOUR	50.3 2/	47.7 ***	49.8 2/	42.4 ***	7.4
	22:45-22:50 HOUR	49.7 2/	48.7 ***	45.8 2/	42.8 ***	3.0
	22:50-22:55 HOUR	50.2 2/	48.7 ***	47.9 2/	42.8 ***	5.1
	22:55-23:00 HOUR	50.6 2/	48.7 ***	49.1 2/	42.8 ***	6.3
	23:00-23:05 HOUR	50.8 2/	48.8 ***	49.5 2/	42.9 ***	6.6
	23:05-23:10 HOUR	49.8 2/	48.8 ***	45.9 2/	42.9 ***	3.0
	23:10-23:15 HOUR	49.7 2/	48.8 ***	45.4 2/	42.9 ***	2.5
	23:15-23:20 HOUR	48.3 2/	47.2 ***	44.8 2/	41.8 ***	3.0
	23:20-23:25 HOUR	49.0 2/	47.2 ***	47.3 2/	41.8 ***	5.5
	23:25-23:30 HOUR	49.7 2/	47.2 ***	49.1 2/	41.8 ***	7.3

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 8, 2023	**NIGHT TIME** 2/					
T23AG564-0004	23:30-23:35 HOUR	50.1 2/	48.1 ***	48.8 2/	42.9 ***	5.9
	23:35-23:40 HOUR	50.7 2/	48.1 ***	50.2 2/	42.9 ***	7.3
	23:40-23:45 HOUR	51.0 2/	48.1 ***	50.9 2/	42.9 ***	8.0
	23:45-23:50 HOUR	48.6 2/	48.3 ***	39.8 2/	40.7 ***	<0.8
	23:50-23:55 HOUR	49.0 2/	48.3 ***	43.7 2/	40.7 ***	3.0
	23:55-00:00 HOUR	49.2 2/	48.3 ***	44.9 2/	40.7 ***	4.2
APRIL 9, 2023	**NIGHT TIME** 2/					
T23AG564-0004	00:00-00:05 HOUR	47.5 2/	46.8 ***	42.2 2/	39.9 ***	2.3
	00:05-00:10 HOUR	47.6 2/	46.8 ***	42.9 2/	39.9 ***	3.0
	00:10-00:15 HOUR	48.5 2/	46.8 ***	46.6 2/	39.9 ***	6.7
	00:15-00:20 HOUR	49.2 2/	47.6 ***	47.1 2/	41.1 ***	6.0
	00:20-00:25 HOUR	48.8 2/	47.6 ***	45.6 2/	41.1 ***	4.5
	00:25-00:30 HOUR	49.4 2/	47.6 ***	47.7 2/	41.1 ***	6.6
	00:30-00:35 HOUR	49.2 2/	46.9 ***	48.3 2/	41.6 ***	6.7
	00:35-00:40 HOUR	49.5 2/	46.9 ***	49.0 2/	41.6 ***	7.4
	00:40-00:45 HOUR	48.5 2/	46.9 ***	46.4 2/	41.6 ***	4.8
	00:45-00:50 HOUR	49.8 2/	47.6 ***	48.8 2/	42.2 ***	6.6
	00:50-00:55 HOUR	49.9 2/	47.6 ***	49.0 2/	42.2 ***	6.8
	00:55-01:00 HOUR	49.2 2/	47.6 ***	47.1 2/	42.2 ***	4.9
	01:00-01:05 HOUR	47.1 2/	46.0 ***	43.6 2/	39.1 ***	4.5
	01:05-01:10 HOUR	47.4 2/	46.0 ***	44.8 2/	39.1 ***	5.7
	01:10-01:15 HOUR	46.8 2/	46.0 ***	42.1 2/	39.1 ***	3.0
	01:15-01:20 HOUR	47.8 2/	46.7 ***	44.3 2/	41.3 ***	3.0
	01:20-01:25 HOUR	48.4 2/	46.7 ***	46.5 2/	41.3 ***	5.2
	01:25-01:30 HOUR	49.5 2/	46.7 ***	49.3 2/	41.3 ***	8.0
	01:30-01:35 HOUR	48.9 2/	45.7 ***	49.1 2/	42.0 ***	7.1
	01:35-01:40 HOUR	47.7 2/	45.7 ***	46.4 2/	42.0 ***	4.4
	01:40-01:45 HOUR	47.7 2/	45.7 ***	46.4 2/	42.0 ***	4.4
	01:45-01:50 HOUR	48.2 2/	47.5 ***	42.9 2/	42.3 ***	<0.8
	01:50-01:55 HOUR	50.0 2/	47.5 ***	49.4 2/	42.3 ***	7.1
	01:55-02:00 HOUR	50.2 2/	47.5 ***	49.9 2/	42.3 ***	7.6
	02:00-02:05 HOUR	48.7 2/	47.4 ***	45.8 2/	43.6 ***	2.2
	02:05-02:10 HOUR	51.1 2/	47.4 ***	51.7 2/	43.6 ***	8.1
	02:10-02:15 HOUR	50.6 2/	47.4 ***	50.8 2/	43.6 ***	7.2
	02:15-02:20 HOUR	48.4 2/	45.8 ***	47.9 2/	41.8 ***	6.1
	02:20-02:25 HOUR	49.1 2/	45.8 ***	49.4 2/	41.8 ***	7.6
	02:25-02:30 HOUR	49.1 2/	45.8 ***	49.4 2/	41.8 ***	7.6
	02:30-02:35 HOUR	49.0 2/	46.6 ***	48.3 2/	41.9 ***	6.4
	02:35-02:40 HOUR	48.4 2/	46.6 ***	46.7 2/	41.9 ***	4.8
	02:40-02:45 HOUR	49.2 2/	46.6 ***	48.7 2/	41.9 ***	6.8
	02:45-02:50 HOUR	47.7 2/	47.1 ***	41.8 2/	39.6 ***	2.2
	02:50-02:55 HOUR	48.7 2/	47.1 ***	46.6 2/	39.6 ***	7.0
	02:55-03:00 HOUR	48.4 2/	47.1 ***	45.5 2/	39.6 ***	5.9
	03:00-03:05 HOUR	49.5 2/	48.2 ***	46.6 2/	44.7 ***	1.9
	03:05-03:10 HOUR	50.0 2/	48.2 ***	48.3 2/	44.7 ***	3.6

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 9, 2023	**NIGHT TIME** 2/					
T23AG564-0004	03:10-03:15 HOUR	50.2 2/	48.2 ***	48.9 2/	44.7 ***	4.2
	03:15-03:20 HOUR	49.9 2/	47.6 ***	49.0 2/	43.7 ***	5.3
	03:20-03:25 HOUR	51.3 2/	47.6 ***	51.9 2/	43.7 ***	8.2
	03:25-03:30 HOUR	49.4 2/	47.6 ***	47.7 2/	43.7 ***	4.0
	03:30-03:35 HOUR	49.2 2/	47.0 ***	48.2 2/	43.2 ***	5.0
	03:35-03:40 HOUR	49.2 2/	47.0 ***	48.2 2/	43.2 ***	5.0
	03:40-03:45 HOUR	50.4 2/	47.0 ***	50.7 2/	43.2 ***	7.5
	03:45-03:50 HOUR	49.2 2/	46.5 ***	48.9 2/	42.4 ***	6.5
	03:50-03:55 HOUR	48.5 2/	46.5 ***	47.2 2/	42.4 ***	4.8
	03:55-04:00 HOUR	49.7 2/	46.5 ***	49.9 2/	42.4 ***	7.5
	04:00-04:05 HOUR	48.2 2/	46.1 ***	47.0 2/	40.2 ***	6.8
	04:05-04:10 HOUR	47.9 2/	46.1 ***	46.2 2/	40.2 ***	6.0
	04:10-04:15 HOUR	48.3 2/	46.1 ***	47.3 2/	40.2 ***	7.1
	04:15-04:20 HOUR	49.6 2/	46.6 ***	49.6 2/	41.1 ***	8.5
	04:20-04:25 HOUR	47.9 2/	46.6 ***	45.0 2/	41.1 ***	3.9
	04:25-04:30 HOUR	48.8 2/	46.6 ***	47.8 2/	41.1 ***	6.7
	04:30-04:35 HOUR	50.1 2/	47.5 ***	49.6 2/	42.5 ***	7.1
	04:35-04:40 HOUR	49.9 2/	47.5 ***	49.2 2/	42.5 ***	6.7
	04:40-04:45 HOUR	49.0 2/	47.5 ***	46.7 2/	42.5 ***	4.2
	04:45-04:50 HOUR	49.2 2/	49.8 ***	<0.8 2/	42.6 ***	<0.8
	04:50-04:55 HOUR	49.4 2/	49.8 ***	<0.8 2/	42.6 ***	<0.8
	04:55-05:00 HOUR	50.5 2/	49.8 ***	45.2 2/	42.6 ***	2.6
	05:00-05:05 HOUR	48.3 2/	46.7 ***	46.2 2/	39.4 ***	6.8
	05:05-05:10 HOUR	47.2 2/	46.7 ***	40.6 2/	39.4 ***	1.2
	05:10-05:15 HOUR	48.2 2/	46.7 ***	45.9 2/	39.4 ***	6.5
	05:15-05:20 HOUR	48.5 2/	46.0 ***	47.9 2/	39.6 ***	8.3
	05:20-05:25 HOUR	47.0 2/	46.0 ***	43.1 2/	39.6 ***	3.5
	05:25-05:30 HOUR	46.9 2/	46.0 ***	42.6 2/	39.6 ***	3.0
	05:30-05:35 HOUR	47.6 2/	47.4 ***	37.1 2/	39.5 ***	<0.8
	05:35-05:40 HOUR	49.1 2/	47.4 ***	47.2 2/	39.5 ***	7.7
	05:40-05:45 HOUR	48.4 2/	47.4 ***	44.5 2/	39.5 ***	5.0
	05:45-05:50 HOUR	48.7 2/	46.8 ***	47.2 2/	40.6 ***	6.6
	05:50-05:55 HOUR	48.5 2/	46.8 ***	46.6 2/	40.6 ***	6.0
	05:55-06:00 HOUR	49.0 2/	46.8 ***	48.0 2/	40.6 ***	7.4
	DAY TIME 1/					
	06:00-07:00 HOUR	51.6 1/	48.0 **	49.1 1/	41.8 **	7.3
APRIL 9, 2023	**DAY TIME** 1/					
T23AG564-0005	07:00-08:00 HOUR	53.9 1/	49.7 **	51.8 1/	43.9 **	7.9
	08:00-09:00 HOUR	54.5 1/	54.2 **	42.7 1/	45.5 **	<0.8
	09:00-10:00 HOUR	53.7 1/	51.8 **	49.2 1/	42.4 **	6.8
	10:00-11:00 HOUR	53.7 1/	49.8 **	51.4 1/	44.4 **	7.0
	11:00-12:00 HOUR	54.8 1/	53.1 **	49.9 1/	42.6 **	7.3
	12:00-13:00 HOUR	51.3 1/	47.8 **	48.7 1/	41.0 **	7.7
	13:00-14:00 HOUR	52.1 1/	48.5 **	49.6 1/	42.5 **	7.1
	14:00-15:00 HOUR	51.4 1/	47.5 **	49.1 1/	40.9 **	8.2

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 9, 2023	**DAY TIME** 1/					
T23AG564-0005	15:00-16:00 HOUR	53.0 1/	48.4 **	51.2 1/	42.7 **	8.5
	16:00-17:00 HOUR	51.5 1/	48.2 **	48.8 1/	42.1 **	6.7
	17:00-18:00 HOUR	54.2 1/	50.2 **	52.0 1/	44.4 **	7.6
	18:00-19:00 HOUR	54.5 1/	50.5 **	52.3 1/	47.6 **	4.7
	19:00-20:00 HOUR	54.4 1/	52.8 **	49.3 1/	51.1 **	<0.8
	20:00-21:00 HOUR	54.6 1/	52.1 **	51.0 1/	50.6 **	<0.8
	21:00-22:00 HOUR	53.0 1/	52.4 **	44.1 1/	46.4 **	<0.8
	NIGHT TIME 2/					
	22:00-22:05 HOUR	47.5 2/	46.9 ***	41.6 2/	39.0 ***	2.6
	22:05-22:10 HOUR	47.7 2/	46.9 ***	43.0 2/	39.0 ***	4.0
	22:10-22:15 HOUR	47.0 2/	46.9 ***	33.6 2/	39.0 ***	<0.8
	22:15-22:20 HOUR	47.5 2/	47.5 ***	<0.8 2/	39.3 ***	<0.8
	22:20-22:25 HOUR	49.1 2/	47.5 ***	47.0 2/	39.3 ***	7.7
	22:25-22:30 HOUR	48.6 2/	47.5 ***	45.1 2/	39.3 ***	5.8
	22:30-22:35 HOUR	49.2 2/	46.3 ***	49.1 2/	41.2 ***	7.9
	22:35-22:40 HOUR	48.2 2/	46.3 ***	46.7 2/	41.2 ***	5.5
	22:40-22:45 HOUR	48.5 2/	46.3 ***	47.5 2/	41.2 ***	6.3
	22:45-22:50 HOUR	47.9 2/	46.2 ***	46.0 2/	42.7 ***	3.3
	22:50-22:55 HOUR	48.3 2/	46.2 ***	47.1 2/	42.7 ***	4.4
	22:55-23:00 HOUR	48.3 2/	46.2 ***	47.1 2/	42.7 ***	4.4
	23:00-23:05 HOUR	47.9 2/	47.0 ***	43.6 2/	43.8 ***	<0.8
	23:05-23:10 HOUR	47.3 2/	47.0 ***	38.5 2/	43.8 ***	<0.8
	23:10-23:15 HOUR	47.0 2/	47.0 ***	<0.8 2/	43.8 ***	<0.8
	23:15-23:20 HOUR	48.0 2/	46.2 ***	46.3 2/	43.0 ***	3.3
	23:20-23:25 HOUR	48.6 2/	46.2 ***	47.9 2/	43.0 ***	4.9
	23:25-23:30 HOUR	48.5 2/	46.2 ***	47.6 2/	43.0 ***	4.6
	23:30-23:35 HOUR	48.7 2/	45.5 ***	48.9 2/	41.5 ***	7.4
	23:35-23:40 HOUR	48.2 2/	45.5 ***	47.9 2/	41.5 ***	6.4
	23:40-23:45 HOUR	46.6 2/	45.5 ***	43.1 2/	41.5 ***	1.6
	23:45-23:50 HOUR	46.1 2/	46.5 ***	<0.8 2/	42.9 ***	<0.8
	23:50-23:55 HOUR	48.0 2/	46.5 ***	45.7 2/	42.9 ***	2.8
	23:55-00:00 HOUR	47.4 2/	46.5 ***	43.1 2/	42.9 ***	<0.8
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0005	00:00-00:05 HOUR	48.4 2/	47.0 ***	45.8 2/	43.8 ***	2.0
	00:05-00:10 HOUR	49.2 2/	47.0 ***	48.2 2/	43.8 ***	4.4
	00:10-00:15 HOUR	48.1 2/	47.0 ***	44.6 2/	43.8 ***	0.8
	00:15-00:20 HOUR	48.6 2/	46.1 ***	48.0 2/	42.2 ***	5.8
	00:20-00:25 HOUR	47.2 2/	46.1 ***	43.7 2/	42.2 ***	1.5
	00:25-00:30 HOUR	47.3 2/	46.1 ***	44.1 2/	42.2 ***	1.9
	00:30-00:35 HOUR	48.2 2/	47.4 ***	43.5 2/	40.0 ***	3.5
	00:35-00:40 HOUR	47.0 2/	47.4 ***	<0.8 2/	40.0 ***	<0.8
	00:40-00:45 HOUR	48.3 2/	47.4 ***	44.0 2/	40.0 ***	4.0
	00:45-00:50 HOUR	46.5 2/	46.3 ***	36.0 2/	40.3 ***	<0.8
	00:50-00:55 HOUR	47.3 2/	46.3 ***	43.4 2/	40.3 ***	3.1
	00:55-01:00 HOUR	47.8 2/	46.3 ***	45.5 2/	40.3 ***	5.2

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0005	01:00-01:05 HOUR	48.7 2/	46.3 ***	48.0 2/	40.1 ***	7.9
	01:05-01:10 HOUR	48.5 2/	46.3 ***	47.5 2/	40.1 ***	7.4
	01:10-01:15 HOUR	48.9 2/	46.3 ***	48.4 2/	40.1 ***	8.3
	01:15-01:20 HOUR	46.4 2/	46.6 ***	<0.8 2/	40.9 ***	<0.8
	01:20-01:25 HOUR	46.5 2/	46.6 ***	<0.8 2/	40.9 ***	<0.8
	01:25-01:30 HOUR	48.4 2/	46.6 ***	46.7 2/	40.9 ***	5.8
	01:30-01:35 HOUR	47.0 2/	45.4 ***	44.9 2/	40.5 ***	4.4
	01:35-01:40 HOUR	46.4 2/	45.4 ***	42.5 2/	40.5 ***	2.0
	01:40-01:45 HOUR	48.5 2/	45.4 ***	48.6 2/	40.5 ***	8.1
	01:45-01:50 HOUR	48.4 2/	46.2 ***	47.4 2/	41.6 ***	5.8
	01:50-01:55 HOUR	47.2 2/	46.2 ***	43.3 2/	41.6 ***	1.7
	01:55-02:00 HOUR	47.4 2/	46.2 ***	44.2 2/	41.6 ***	2.6
	02:00-02:05 HOUR	46.9 2/	46.0 ***	42.6 2/	41.7 ***	0.9
	02:05-02:10 HOUR	47.5 2/	46.0 ***	45.2 2/	41.7 ***	3.5
	02:10-02:15 HOUR	47.7 2/	46.0 ***	45.8 2/	41.7 ***	4.1
	02:15-02:20 HOUR	47.2 2/	46.1 ***	43.7 2/	42.3 ***	1.4
	02:20-02:25 HOUR	48.3 2/	46.1 ***	47.3 2/	42.3 ***	5.0
	02:25-02:30 HOUR	46.9 2/	46.1 ***	42.2 2/	42.3 ***	<0.8
	02:30-02:35 HOUR	47.4 2/	46.0 ***	44.8 2/	42.6 ***	2.2
	02:35-02:40 HOUR	48.6 2/	46.0 ***	48.1 2/	42.6 ***	5.5
	02:40-02:45 HOUR	48.7 2/	46.0 ***	48.4 2/	42.6 ***	5.8
	02:45-02:50 HOUR	48.4 2/	46.5 ***	46.9 2/	42.0 ***	4.9
	02:50-02:55 HOUR	48.3 2/	46.5 ***	46.6 2/	42.0 ***	4.6
	02:55-03:00 HOUR	48.5 2/	46.5 ***	47.2 2/	42.0 ***	5.2
	03:00-03:05 HOUR	46.5 2/	45.7 ***	41.8 2/	39.6 ***	2.2
	03:05-03:10 HOUR	47.3 2/	45.7 ***	45.2 2/	39.6 ***	5.6
	03:10-03:15 HOUR	48.4 2/	45.7 ***	48.1 2/	39.6 ***	8.5
	03:15-03:20 HOUR	46.9 2/	45.9 ***	43.0 2/	38.5 ***	4.5
	03:20-03:25 HOUR	46.6 2/	45.9 ***	41.3 2/	38.5 ***	2.8
	03:25-03:30 HOUR	47.5 2/	45.9 ***	45.4 2/	38.5 ***	6.9
	03:30-03:35 HOUR	47.9 2/	46.6 ***	45.0 2/	41.1 ***	3.9
	03:35-03:40 HOUR	46.8 2/	46.6 ***	36.3 2/	41.1 ***	<0.8
	03:40-03:45 HOUR	47.0 2/	46.6 ***	39.4 2/	41.1 ***	<0.8
	03:45-03:50 HOUR	48.8 2/	45.6 ***	49.0 2/	43.0 ***	6.0
	03:50-03:55 HOUR	47.9 2/	45.6 ***	47.0 2/	43.0 ***	4.0
	03:55-04:00 HOUR	47.7 2/	45.6 ***	46.5 2/	43.0 ***	3.5
	04:00-04:05 HOUR	46.9 2/	46.0 ***	42.6 2/	43.6 ***	<0.8
	04:05-04:10 HOUR	46.4 2/	46.0 ***	38.8 2/	43.6 ***	<0.8
	04:10-04:15 HOUR	46.2 2/	46.0 ***	35.7 2/	43.6 ***	<0.8
	04:15-04:20 HOUR	47.9 2/	46.4 ***	45.6 2/	43.1 ***	2.5
	04:20-04:25 HOUR	48.8 2/	46.4 ***	48.1 2/	43.1 ***	5.0
	04:25-04:30 HOUR	48.2 2/	46.4 ***	46.5 2/	43.1 ***	3.4
	04:30-04:35 HOUR	46.5 2/	45.6 ***	42.2 2/	42.2 ***	<0.8
	04:35-04:40 HOUR	46.9 2/	45.6 ***	44.0 2/	42.2 ***	1.8
	04:40-04:45 HOUR	46.7 2/	45.6 ***	43.2 2/	42.2 ***	1.0

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0005	04:45-04:50 HOUR	46.0 2/	45.6 ***	38.4 2/	43.8 ***	<0.8
	04:50-04:55 HOUR	47.5 2/	45.6 ***	46.0 2/	43.8 ***	2.2
	04:55-05:00 HOUR	47.7 2/	45.6 ***	46.5 2/	43.8 ***	2.7
	05:00-05:05 HOUR	47.7 2/	45.9 ***	46.0 2/	43.7 ***	2.3
	05:05-05:10 HOUR	47.2 2/	45.9 ***	44.3 2/	43.7 ***	<0.8
	05:10-05:15 HOUR	48.2 2/	45.9 ***	47.3 2/	43.7 ***	3.6
	05:15-05:20 HOUR	48.1 2/	46.9 ***	44.9 2/	44.7 ***	<0.8
	05:20-05:25 HOUR	47.7 2/	46.9 ***	43.0 2/	44.7 ***	<0.8
	05:25-05:30 HOUR	48.0 2/	46.9 ***	44.5 2/	44.7 ***	<0.8
	05:30-05:35 HOUR	47.5 2/	47.1 ***	39.9 2/	44.9 ***	<0.8
	05:35-05:40 HOUR	48.1 2/	47.1 ***	44.2 2/	44.9 ***	<0.8
	05:40-05:45 HOUR	47.5 2/	47.1 ***	39.9 2/	44.9 ***	<0.8
	05:45-05:50 HOUR	47.2 2/	48.4 ***	<0.8 2/	45.6 ***	<0.8
	05:50-05:55 HOUR	49.5 2/	48.4 ***	46.0 2/	45.6 ***	<0.8
	05:55-06:00 HOUR	50.0 2/	48.4 ***	47.9 2/	45.6 ***	2.3
	DAY TIME 1/					
	06:00-07:00 HOUR	50.6 1/	48.1 **	47.0 1/	42.4 **	4.6
APRIL 10, 2023	**DAY TIME** 1/					
T23AG564-0006	07:00-08:00 HOUR	50.7 1/	48.3 **	47.0 1/	43.0 **	4.0
	08:00-09:00 HOUR	50.9 1/	48.5 **	47.2 1/	39.9 **	7.3
	09:00-10:00 HOUR	52.2 1/	50.0 **	48.2 1/	42.0 **	6.2
	10:00-11:00 HOUR	49.9 1/	46.3 **	47.4 1/	41.4 **	6.0
	11:00-12:00 HOUR	51.9 1/	49.2 **	48.6 1/	40.6 **	8.0
	12:00-13:00 HOUR	50.7 1/	46.4 **	48.7 1/	40.3 **	8.4
	13:00-14:00 HOUR	49.7 1/	45.4 **	47.7 1/	40.4 **	7.3
	14:00-15:00 HOUR	50.0 1/	48.2 **	45.3 1/	43.8 **	1.5
	15:00-16:00 HOUR	49.2 1/	47.8 **	43.6 1/	43.4 **	<0.8
	16:00-17:00 HOUR	50.4 1/	48.5 **	45.9 1/	42.7 **	3.2
	17:00-18:00 HOUR	51.0 1/	46.3 **	49.2 1/	41.9 **	7.3
	18:00-19:00 HOUR	50.4 1/	48.2 **	46.4 1/	43.0 **	3.4
	19:00-20:00 HOUR	50.4 1/	47.2 **	47.6 1/	41.0 **	6.6
	20:00-21:00 HOUR	50.3 1/	45.6 **	48.5 1/	40.8 **	7.7
	21:00-22:00 HOUR	48.4 1/	45.0 **	45.7 1/	39.7 **	6.0
	NIGHT TIME 2/					
	22:00-22:05 HOUR	45.3 2/	42.7 ***	44.8 2/	40.0 ***	4.8
	22:05-22:10 HOUR	44.2 2/	42.7 ***	41.9 2/	40.0 ***	1.9
	22:10-22:15 HOUR	46.0 2/	42.7 ***	46.3 2/	40.0 ***	6.3
	22:15-22:20 HOUR	43.6 2/	42.6 ***	39.7 2/	39.6 ***	<0.8
	22:20-22:25 HOUR	43.9 2/	42.6 ***	41.0 2/	39.6 ***	1.4
	22:25-22:30 HOUR	46.0 2/	42.6 ***	46.3 2/	39.6 ***	6.7
	22:30-22:35 HOUR	43.1 2/	41.7 ***	40.5 2/	38.5 ***	2.0
	22:35-22:40 HOUR	42.3 2/	41.7 ***	36.4 2/	38.5 ***	<0.8
	22:40-22:45 HOUR	43.6 2/	41.7 ***	42.1 2/	38.5 ***	3.6
	22:45-22:50 HOUR	43.5 2/	42.8 ***	38.2 2/	39.9 ***	<0.8
	22:50-22:55 HOUR	45.1 2/	42.8 ***	44.2 2/	39.9 ***	4.3

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0006	22:55-23:00 HOUR	42.8 2/	42.8 ***	<0.8 2/	39.9 ***	<0.8
	23:00-23:05 HOUR	45.1 2/	42.7 ***	44.4 2/	40.4 ***	4.0
	23:05-23:10 HOUR	44.5 2/	42.7 ***	42.8 2/	40.4 ***	2.4
	23:10-23:15 HOUR	43.0 2/	42.7 ***	34.2 2/	40.4 ***	<0.8
	23:15-23:20 HOUR	43.3 2/	41.0 ***	42.4 2/	39.0 ***	3.4
	23:20-23:25 HOUR	44.3 2/	41.0 ***	44.6 2/	39.0 ***	5.6
	23:25-23:30 HOUR	43.4 2/	41.0 ***	42.7 2/	39.0 ***	3.7
	23:30-23:35 HOUR	43.4 2/	41.3 ***	42.2 2/	39.1 ***	3.1
	23:35-23:40 HOUR	42.7 2/	41.3 ***	40.1 2/	39.1 ***	1.0
	23:40-23:45 HOUR	42.6 2/	41.3 ***	39.7 2/	39.1 ***	<0.8
	23:45-23:50 HOUR	43.7 2/	41.3 ***	43.0 2/	39.1 ***	3.9
	23:50-23:55 HOUR	42.3 2/	41.3 ***	38.4 2/	39.1 ***	<0.8
	23:55-00:00 HOUR	43.0 2/	41.3 ***	41.1 2/	39.1 ***	2.0
APRIL 11, 2023	**NIGHT TIME** 2/					
T23AG564-0006	00:00-00:05 HOUR	43.3 2/	43.2 ***	29.9 2/	40.1 ***	<0.8
	00:05-00:10 HOUR	45.0 2/	43.2 ***	43.3 2/	40.1 ***	3.2
	00:10-00:15 HOUR	44.7 2/	43.2 ***	42.4 2/	40.1 ***	2.3
	00:15-00:20 HOUR	44.0 2/	41.5 ***	43.4 2/	39.4 ***	4.0
	00:20-00:25 HOUR	43.4 2/	41.5 ***	41.9 2/	39.4 ***	2.5
	00:25-00:30 HOUR	44.6 2/	41.5 ***	44.7 2/	39.4 ***	5.3
	00:30-00:35 HOUR	42.7 2/	42.4 ***	33.9 2/	40.4 ***	<0.8
	00:35-00:40 HOUR	43.9 2/	42.4 ***	41.6 2/	40.4 ***	1.2
	00:40-00:45 HOUR	44.5 2/	42.4 ***	43.3 2/	40.4 ***	2.9
	00:45-00:50 HOUR	45.8 2/	43.7 ***	44.6 2/	39.3 ***	5.3
	00:50-00:55 HOUR	47.1 2/	43.7 ***	47.4 2/	39.3 ***	8.1
	00:55-01:00 HOUR	45.2 2/	43.7 ***	42.9 2/	39.3 ***	3.6
	01:00-01:05 HOUR	44.5 2/	42.7 ***	42.8 2/	38.3 ***	4.5
	01:05-01:10 HOUR	44.9 2/	42.7 ***	43.9 2/	38.3 ***	5.6
	01:10-01:15 HOUR	43.4 2/	42.7 ***	38.1 2/	38.3 ***	<0.8
	01:15-01:20 HOUR	43.4 2/	41.5 ***	41.9 2/	38.3 ***	3.6
	01:20-01:25 HOUR	42.8 2/	41.5 ***	39.9 2/	38.3 ***	1.6
	01:25-01:30 HOUR	43.0 2/	41.5 ***	40.7 2/	38.3 ***	2.4
	01:30-01:35 HOUR	42.4 2/	43.4 ***	<0.8 2/	38.0 ***	<0.8
	01:35-01:40 HOUR	43.1 2/	43.4 ***	<0.8 2/	38.0 ***	<0.8
	01:40-01:45 HOUR	45.2 2/	43.4 ***	43.5 2/	38.0 ***	5.5
	01:45-01:50 HOUR	44.5 2/	45.0 ***	<0.8 2/	36.8 ***	<0.8
	01:50-01:55 HOUR	43.6 2/	45.0 ***	<0.8 2/	36.8 ***	<0.8
	01:55-02:00 HOUR	45.5 2/	45.0 ***	38.9 2/	36.8 ***	2.1
	02:00-02:05 HOUR	42.2 2/	43.1 ***	<0.8 2/	40.6 ***	<0.8
	02:05-02:10 HOUR	43.0 2/	43.1 ***	<0.8 2/	40.6 ***	<0.8
	02:10-02:15 HOUR	44.6 2/	43.1 ***	42.3 2/	40.6 ***	1.7
	02:15-02:20 HOUR	44.2 2/	42.5 ***	42.3 2/	40.6 ***	1.7
	02:20-02:25 HOUR	44.1 2/	42.5 ***	42.0 2/	40.6 ***	1.4
	02:25-02:30 HOUR	44.0 2/	42.5 ***	41.7 2/	40.6 ***	1.1
	02:30-02:35 HOUR	44.7 2/	43.4 ***	41.8 2/	41.5 ***	<0.8

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 11, 2023	NIGHT TIME 2/					
T23AG564-0006	02:35-02:40 HOUR	44.3 2/	43.4 ***	40.0 2/	41.5 ***	<0.8
	02:40-02:45 HOUR	45.4 2/	43.4 ***	44.1 2/	41.5 ***	2.6
	02:45-02:50 HOUR	44.4 2/	44.0 ***	36.8 2/	42.3 ***	<0.8
	02:50-02:55 HOUR	44.3 2/	44.0 ***	35.5 2/	42.3 ***	<0.8
	02:55-03:00 HOUR	45.2 2/	44.0 ***	42.0 2/	42.3 ***	<0.8
	03:00-03:05 HOUR	44.1 2/	44.0 ***	30.7 2/	40.7 ***	<0.8
	03:05-03:10 HOUR	43.9 2/	44.0 ***	<0.8 2/	40.7 ***	<0.8
	03:10-03:15 HOUR	44.4 2/	44.0 ***	36.8 2/	40.7 ***	<0.8
	03:15-03:20 HOUR	44.9 2/	44.3 ***	39.0 2/	35.9 ***	3.1
	03:20-03:25 HOUR	45.4 2/	44.3 ***	41.9 2/	35.9 ***	6.0
	03:25-03:30 HOUR	44.6 2/	44.3 ***	35.8 2/	35.9 ***	<0.8
	03:30-03:35 HOUR	43.6 2/	42.8 ***	38.9 2/	36.5 ***	2.4
	03:35-03:40 HOUR	43.5 2/	42.8 ***	38.2 2/	36.5 ***	1.7
	03:40-03:45 HOUR	44.5 2/	42.8 ***	42.6 2/	36.5 ***	6.1
	03:45-03:50 HOUR	44.3 2/	42.4 ***	42.8 2/	40.1 ***	2.7
	03:50-03:55 HOUR	42.4 2/	42.4 ***	<0.8 2/	40.1 ***	<0.8
	03:55-04:00 HOUR	42.7 2/	42.4 ***	33.9 2/	40.1 ***	<0.8
	04:00-04:05 HOUR	43.4 2/	42.4 ***	39.5 2/	39.8 ***	<0.8
	04:05-04:10 HOUR	42.7 2/	42.4 ***	33.9 2/	39.8 ***	<0.8
	04:10-04:15 HOUR	44.4 2/	42.4 ***	43.1 2/	39.8 ***	3.3
	04:15-04:20 HOUR	44.1 2/	43.3 ***	39.4 2/	39.8 ***	<0.8
	04:20-04:25 HOUR	43.4 2/	43.3 ***	30.0 2/	39.8 ***	<0.8
	04:25-04:30 HOUR	44.1 2/	43.3 ***	39.4 2/	39.8 ***	<0.8
	04:30-04:35 HOUR	43.7 2/	42.0 ***	41.8 2/	39.0 ***	2.8
	04:35-04:40 HOUR	43.4 2/	42.0 ***	40.8 2/	39.0 ***	1.8
	04:40-04:45 HOUR	44.2 2/	42.0 ***	43.2 2/	39.0 ***	4.2
	04:45-04:50 HOUR	45.0 2/	43.8 ***	41.8 2/	39.9 ***	1.9
	04:50-04:55 HOUR	44.6 2/	43.8 ***	39.9 2/	39.9 ***	<0.8
	04:55-05:00 HOUR	45.4 2/	43.8 ***	43.3 2/	39.9 ***	3.4
	05:00-05:05 HOUR	46.7 2/	43.4 ***	47.0 2/	39.9 ***	7.1
	05:05-05:10 HOUR	43.3 2/	43.4 ***	<0.8 2/	39.9 ***	<0.8
	05:10-05:15 HOUR	44.3 2/	43.4 ***	40.0 2/	39.9 ***	<0.8
	05:15-05:20 HOUR	43.7 2/	42.7 ***	39.8 2/	40.7 ***	<0.8
	05:20-05:25 HOUR	43.6 2/	42.7 ***	39.3 2/	40.7 ***	<0.8
	05:25-05:30 HOUR	44.8 2/	42.7 ***	43.6 2/	40.7 ***	2.9
	05:30-05:35 HOUR	46.0 2/	44.0 ***	44.7 2/	40.9 ***	3.8
	05:35-05:40 HOUR	45.1 2/	44.0 ***	41.6 2/	40.9 ***	<0.8
	05:40-05:45 HOUR	45.6 2/	44.0 ***	43.5 2/	40.9 ***	2.6
	05:45-05:50 HOUR	45.4 2/	44.4 ***	41.5 2/	40.6 ***	0.9
	05:50-05:55 HOUR	45.2 2/	44.4 ***	40.5 2/	40.6 ***	<0.8
	05:55-06:00 HOUR	45.2 2/	44.4 ***	40.5 2/	40.6 ***	<0.8

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DATE	TIME*	RESULT (dB(A)) L53-GN2 (UTM WGS 84 ZONE 47P 601408E 1551067N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 11, 2023	DAY TIME 1/					
T23AG564-0006	06:00-07:00 HOUR	49.3 1/	45.1 **	47.2 1/	40.0 **	7.2

REMARK :
1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS $L_{Aeq\ 1\ hour}$.
2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS $L_{Aeq\ 5\ minutes}$.
** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 11 TIMES MEASURING.
(55 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR)
AND RESIDUAL SOUND LEVEL ($L_{Aeq\ 5\ minutes}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
*** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)
AND RESIDUAL SOUND LEVEL ($L_{Aeq\ 5\ minutes}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
MEASURING PLACE : L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)
MEASURING TYPE : AMBIENT (ANNOYANCE SOUND LEVEL) **RECEIVED DATE** : APRIL 8-11, 2023
MEASURING DATE : APRIL 8-11, 2023 **ANALYTICAL DATE** : APRIL 8-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U027970
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION **WORK NO.** : 2023-001314
MEASURED BY : MR WORAPHOT WONGKHAM **ANALYSIS NO.** : T23AG564-0007 - T23AG564-0009

DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 8, 2023	**DAY TIME** 1/					
T23AG564-0007	07:00-08:00 HOUR	52.0 1/	46.7 **	50.5 1/	43.8 **	6.7
	08:00-09:00 HOUR	56.4 1/	50.3 **	55.2 1/	48.0 **	7.2
	09:00-10:00 HOUR	57.4 1/	52.0 **	55.9 1/	49.2 **	6.7
	10:00-11:00 HOUR	53.9 1/	50.6 **	51.2 1/	47.6 **	3.6
	11:00-12:00 HOUR	57.3 1/	52.4 **	55.6 1/	50.7 **	4.9
	12:00-13:00 HOUR	58.5 1/	53.9 **	56.7 1/	52.0 **	4.7
	13:00-14:00 HOUR	55.1 1/	50.9 **	53.0 1/	48.9 **	4.1
	14:00-15:00 HOUR	53.9 1/	49.9 **	51.7 1/	47.8 **	3.9
	15:00-16:00 HOUR	54.7 1/	50.6 **	52.6 1/	47.6 **	5.0
	16:00-17:00 HOUR	54.2 1/	50.6 **	51.7 1/	47.6 **	4.1
	17:00-18:00 HOUR	53.7 1/	49.0 **	51.9 1/	47.1 **	4.8
	18:00-19:00 HOUR	54.9 1/	51.2 **	52.5 1/	49.7 **	2.8
	19:00-20:00 HOUR	54.6 1/	51.8 **	51.4 1/	50.1 **	1.3
	20:00-21:00 HOUR	55.0 1/	51.1 **	52.7 1/	49.4 **	3.3
	21:00-22:00 HOUR	55.5 1/	50.5 **	53.8 1/	48.2 **	5.6
	NIGHT TIME 2/					
	22:00-22:05 HOUR	53.4 2/	50.5 ***	53.3 2/	48.1 ***	5.2
	22:05-22:10 HOUR	54.3 2/	50.5 ***	55.0 2/	48.1 ***	6.9
	22:10-22:15 HOUR	53.5 2/	50.5 ***	53.5 2/	48.1 ***	5.4
	22:15-22:20 HOUR	56.1 2/	51.4 ***	57.3 2/	49.1 ***	8.2
	22:20-22:25 HOUR	54.8 2/	51.4 ***	55.1 2/	49.1 ***	6.0
	22:25-22:30 HOUR	49.3 2/	51.4 ***	<0.8 2/	49.1 ***	<0.8
	22:30-22:35 HOUR	53.3 2/	50.9 ***	52.6 2/	48.2 ***	4.4
	22:35-22:40 HOUR	54.7 2/	50.9 ***	55.4 2/	48.2 ***	7.2
	22:40-22:45 HOUR	51.2 2/	50.9 ***	42.4 2/	48.2 ***	<0.8
	22:45-22:50 HOUR	54.9 2/	51.0 ***	55.6 2/	47.8 ***	7.8
	22:50-22:55 HOUR	51.4 2/	51.0 ***	43.8 2/	47.8 ***	<0.8
	22:55-23:00 HOUR	49.3 2/	51.0 ***	<0.8 2/	47.8 ***	<0.8
	23:00-23:05 HOUR	51.5 2/	47.9 ***	52.0 2/	45.6 ***	6.4
	23:05-23:10 HOUR	51.4 2/	47.9 ***	51.8 2/	45.6 ***	6.2
	23:10-23:15 HOUR	49.9 2/	47.9 ***	48.6 2/	45.6 ***	3.0
	23:15-23:20 HOUR	50.9 2/	47.7 ***	51.1 2/	45.3 ***	5.8
	23:20-23:25 HOUR	50.0 2/	47.7 ***	49.1 2/	45.3 ***	3.8
	23:25-23:30 HOUR	49.2 2/	47.7 ***	46.9 2/	45.3 ***	1.6

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DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 8, 2023	**NIGHT TIME** 2/					
T23AG564-0007	23:30-23:35 HOUR	50.0 2/	50.5 ***	<0.8 2/	47.9 ***	<0.8
	23:35-23:40 HOUR	50.1 2/	50.5 ***	<0.8 2/	47.9 ***	<0.8
	23:40-23:45 HOUR	53.3 2/	50.5 ***	53.1 2/	47.9 ***	5.2
	23:45-23:50 HOUR	53.9 2/	51.7 ***	52.9 2/	47.4 ***	5.5
	23:50-23:55 HOUR	55.1 2/	51.7 ***	55.4 2/	47.4 ***	8.0
	23:55-00:00 HOUR	52.8 2/	51.7 ***	49.3 2/	47.4 ***	1.9
APRIL 9, 2023	**NIGHT TIME** 2/					
T23AG564-0007	00:00-00:05 HOUR	50.6 2/	46.5 ***	51.5 2/	43.7 ***	7.8
	00:05-00:10 HOUR	50.3 2/	46.5 ***	51.0 2/	43.7 ***	7.3
	00:10-00:15 HOUR	46.9 2/	46.5 ***	39.3 2/	43.7 ***	<0.8
	00:15-00:20 HOUR	47.7 2/	46.8 ***	43.4 2/	43.6 ***	<0.8
	00:20-00:25 HOUR	50.2 2/	46.8 ***	50.5 2/	43.6 ***	6.9
	00:25-00:30 HOUR	48.7 2/	46.8 ***	47.2 2/	43.6 ***	3.6
	00:30-00:35 HOUR	50.0 2/	46.9 ***	50.1 2/	43.7 ***	6.4
	00:35-00:40 HOUR	49.8 2/	46.9 ***	49.7 2/	43.7 ***	6.0
	00:40-00:45 HOUR	49.1 2/	46.9 ***	48.1 2/	43.7 ***	4.4
	00:45-00:50 HOUR	48.3 2/	45.6 ***	48.0 2/	42.7 ***	5.3
	00:50-00:55 HOUR	48.4 2/	45.6 ***	48.2 2/	42.7 ***	5.5
	00:55-01:00 HOUR	46.9 2/	45.6 ***	44.0 2/	42.7 ***	1.3
	01:00-01:05 HOUR	49.1 2/	47.1 ***	47.8 2/	43.6 ***	4.2
	01:05-01:10 HOUR	49.6 2/	47.1 ***	49.0 2/	43.6 ***	5.4
	01:10-01:15 HOUR	50.1 2/	47.1 ***	50.1 2/	43.6 ***	6.5
	01:15-01:20 HOUR	51.1 2/	47.8 ***	51.4 2/	43.3 ***	8.1
	01:20-01:25 HOUR	50.5 2/	47.8 ***	50.2 2/	43.3 ***	6.9
	01:25-01:30 HOUR	50.7 2/	47.8 ***	50.6 2/	43.3 ***	7.3
	01:30-01:35 HOUR	51.3 2/	49.3 ***	50.0 2/	45.2 ***	4.8
	01:35-01:40 HOUR	46.6 2/	49.3 ***	<0.8 2/	45.2 ***	<0.8
	01:40-01:45 HOUR	48.0 2/	49.3 ***	<0.8 2/	45.2 ***	<0.8
	01:45-01:50 HOUR	51.6 2/	50.5 ***	48.1 2/	45.7 ***	2.4
	01:50-01:55 HOUR	52.1 2/	50.5 ***	50.0 2/	45.7 ***	4.3
	01:55-02:00 HOUR	49.9 2/	50.5 ***	<0.8 2/	45.7 ***	<0.8
	02:00-02:05 HOUR	47.4 2/	47.5 ***	<0.8 2/	43.5 ***	<0.8
	02:05-02:10 HOUR	50.1 2/	47.5 ***	49.6 2/	43.5 ***	6.1
	02:10-02:15 HOUR	49.4 2/	47.5 ***	47.9 2/	43.5 ***	4.4
	02:15-02:20 HOUR	50.8 2/	47.7 ***	50.9 2/	44.2 ***	6.7
	02:20-02:25 HOUR	49.7 2/	47.7 ***	48.4 2/	44.2 ***	4.2
	02:25-02:30 HOUR	49.9 2/	47.7 ***	48.9 2/	44.2 ***	4.7
	02:30-02:35 HOUR	49.3 2/	46.1 ***	49.5 2/	42.0 ***	7.5
	02:35-02:40 HOUR	48.0 2/	46.1 ***	46.5 2/	42.0 ***	4.5
	02:40-02:45 HOUR	48.9 2/	46.1 ***	48.7 2/	42.0 ***	6.7
	02:45-02:50 HOUR	48.5 2/	47.5 ***	44.6 2/	41.8 ***	2.8
	02:50-02:55 HOUR	50.2 2/	47.5 ***	49.9 2/	41.8 ***	8.1
	02:55-03:00 HOUR	48.7 2/	47.5 ***	45.5 2/	41.8 ***	3.7
	03:00-03:05 HOUR	49.7 2/	47.3 ***	49.0 2/	43.6 ***	5.4
	03:05-03:10 HOUR	47.1 2/	47.3 ***	<0.8 2/	43.6 ***	<0.8

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DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 9, 2023	**NIGHT TIME** 2/					
T23AG564-0007	03:10-03:15 HOUR	47.1 2/	47.3 ***	<0.8 2/	43.6 ***	<0.8
	03:15-03:20 HOUR	51.1 2/	48.8 ***	50.2 2/	45.2 ***	5.0
	03:20-03:25 HOUR	52.1 2/	48.8 ***	52.4 2/	45.2 ***	7.2
	03:25-03:30 HOUR	52.5 2/	48.8 ***	53.1 2/	45.2 ***	7.9
	03:30-03:35 HOUR	52.2 2/	48.4 ***	52.9 2/	44.6 ***	8.3
	03:35-03:40 HOUR	46.8 2/	48.4 ***	<0.8 2/	44.6 ***	<0.8
	03:40-03:45 HOUR	48.3 2/	48.4 ***	<0.8 2/	44.6 ***	<0.8
	03:45-03:50 HOUR	47.2 2/	47.9 ***	<0.8 2/	44.2 ***	<0.8
	03:50-03:55 HOUR	49.0 2/	47.9 ***	45.5 2/	44.2 ***	1.3
	03:55-04:00 HOUR	48.1 2/	47.9 ***	37.6 2/	44.2 ***	<0.8
	04:00-04:05 HOUR	50.3 2/	47.8 ***	49.7 2/	43.1 ***	6.6
	04:05-04:10 HOUR	49.6 2/	47.8 ***	47.9 2/	43.1 ***	4.8
	04:10-04:15 HOUR	47.6 2/	47.8 ***	<0.8 2/	43.1 ***	<0.8
	04:15-04:20 HOUR	49.0 2/	49.2 ***	<0.8 2/	45.0 ***	<0.8
	04:20-04:25 HOUR	51.7 2/	49.2 ***	51.1 2/	45.0 ***	6.1
	04:25-04:30 HOUR	51.9 2/	49.2 ***	51.6 2/	45.0 ***	6.6
	04:30-04:35 HOUR	52.1 2/	49.4 ***	51.8 2/	45.7 ***	6.1
	04:35-04:40 HOUR	52.1 2/	49.4 ***	51.8 2/	45.7 ***	6.1
	04:40-04:45 HOUR	51.9 2/	49.4 ***	51.3 2/	45.7 ***	5.6
	04:45-04:50 HOUR	47.8 2/	47.6 ***	37.3 2/	41.6 ***	<0.8
	04:50-04:55 HOUR	47.9 2/	47.6 ***	39.1 2/	41.6 ***	<0.8
	04:55-05:00 HOUR	49.0 2/	47.6 ***	46.4 2/	41.6 ***	4.8
	05:00-05:05 HOUR	47.8 2/	47.0 ***	43.1 2/	41.0 ***	2.1
	05:05-05:10 HOUR	47.9 2/	47.0 ***	43.6 2/	41.0 ***	2.6
	05:10-05:15 HOUR	49.0 2/	47.0 ***	47.7 2/	41.0 ***	6.7
	05:15-05:20 HOUR	50.2 2/	48.0 ***	49.2 2/	42.7 ***	6.5
	05:20-05:25 HOUR	49.3 2/	48.0 ***	46.4 2/	42.7 ***	3.7
	05:25-05:30 HOUR	49.3 2/	48.0 ***	46.4 2/	42.7 ***	3.7
	05:30-05:35 HOUR	48.7 2/	47.1 ***	46.6 2/	40.9 ***	5.7
	05:35-05:40 HOUR	48.9 2/	47.1 ***	47.2 2/	40.9 ***	6.3
	05:40-05:45 HOUR	48.8 2/	47.1 ***	46.9 2/	40.9 ***	6.0
	05:45-05:50 HOUR	48.0 2/	45.7 ***	47.1 2/	40.6 ***	6.5
	05:50-05:55 HOUR	48.0 2/	45.7 ***	47.1 2/	40.6 ***	6.5
	05:55-06:00 HOUR	46.5 2/	45.7 ***	41.8 2/	40.6 ***	1.2
	DAY TIME 1/					
	06:00-07:00 HOUR	52.9 1/	47.0 **	51.6 1/	43.8 **	7.8
APRIL 9, 2023	**DAY TIME** 1/					
T23AG564-0008	07:00-08:00 HOUR	52.4 1/	49.9 **	48.8 1/	46.2 **	2.6
	08:00-09:00 HOUR	55.2 1/	50.8 **	53.2 1/	46.4 **	6.8
	09:00-10:00 HOUR	55.3 1/	50.9 **	53.3 1/	45.1 **	8.2
	10:00-11:00 HOUR	53.8 1/	49.1 **	52.0 1/	45.1 **	6.9
	11:00-12:00 HOUR	56.1 1/	52.3 **	53.8 1/	45.3 **	8.5
	12:00-13:00 HOUR	57.0 1/	54.0 **	54.0 1/	46.7 **	7.3
	13:00-14:00 HOUR	55.0 1/	50.1 **	53.3 1/	45.9 **	7.4
	14:00-15:00 HOUR	52.9 1/	48.7 **	50.8 1/	44.1 **	6.7

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DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 9, 2023	**DAY TIME** 1/					
T23AG564-0008	15:00-16:00 HOUR	54.0 1/	48.3 **	52.6 1/	44.2 **	8.4
	16:00-17:00 HOUR	55.6 1/	51.1 **	53.7 1/	46.0 **	7.7
	17:00-18:00 HOUR	57.4 1/	51.4 **	56.1 1/	48.0 **	8.1
	18:00-19:00 HOUR	54.6 1/	48.8 **	53.3 1/	47.2 **	6.1
	19:00-20:00 HOUR	54.7 1/	48.8 **	53.4 1/	47.4 **	6.0
	20:00-21:00 HOUR	54.9 1/	49.1 **	53.6 1/	47.4 **	6.2
	21:00-22:00 HOUR	54.1 1/	49.2 **	52.4 1/	44.2 **	8.2
	NIGHT TIME 2/					
	22:00-22:05 HOUR	48.0 2/	46.0 ***	46.7 2/	41.8 ***	4.9
	22:05-22:10 HOUR	48.4 2/	46.0 ***	47.7 2/	41.8 ***	5.9
	22:10-22:15 HOUR	49.6 2/	46.0 ***	50.1 2/	41.8 ***	8.3
	22:15-22:20 HOUR	47.6 2/	50.4 ***	<0.8 2/	45.6 ***	<0.8
	22:20-22:25 HOUR	53.1 2/	50.4 ***	52.8 2/	45.6 ***	7.2
	22:25-22:30 HOUR	47.4 2/	50.4 ***	<0.8 2/	45.6 ***	<0.8
	22:30-22:35 HOUR	47.6 2/	49.9 ***	<0.8 2/	45.5 ***	<0.8
	22:35-22:40 HOUR	52.7 2/	49.9 ***	52.5 2/	45.5 ***	7.0
	22:40-22:45 HOUR	48.2 2/	49.9 ***	<0.8 2/	45.5 ***	<0.8
	22:45-22:50 HOUR	48.4 2/	46.4 ***	47.1 2/	42.7 ***	4.4
	22:50-22:55 HOUR	48.2 2/	46.4 ***	46.5 2/	42.7 ***	3.8
	22:55-23:00 HOUR	47.4 2/	46.4 ***	43.5 2/	42.7 ***	0.8
	23:00-23:05 HOUR	48.6 2/	48.2 ***	41.0 2/	44.5 ***	<0.8
	23:05-23:10 HOUR	47.8 2/	48.2 ***	<0.8 2/	44.5 ***	<0.8
	23:10-23:15 HOUR	52.2 2/	48.2 ***	53.0 2/	44.5 ***	8.5
	23:15-23:20 HOUR	53.9 2/	50.5 ***	54.2 2/	46.5 ***	7.7
	23:20-23:25 HOUR	47.3 2/	50.5 ***	<0.8 2/	46.5 ***	<0.8
	23:25-23:30 HOUR	53.7 2/	50.5 ***	53.9 2/	46.5 ***	7.4
	23:30-23:35 HOUR	48.5 2/	47.2 ***	45.6 2/	43.1 ***	2.5
	23:35-23:40 HOUR	44.7 2/	47.2 ***	<0.8 2/	43.1 ***	<0.8
	23:40-23:45 HOUR	50.9 2/	47.2 ***	51.5 2/	43.1 ***	8.4
	23:45-23:50 HOUR	50.1 2/	46.8 ***	50.4 2/	43.4 ***	7.0
	23:50-23:55 HOUR	47.3 2/	46.8 ***	40.7 2/	43.4 ***	<0.8
	23:55-00:00 HOUR	49.9 2/	46.8 ***	50.0 2/	43.4 ***	6.6
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0008	00:00-00:05 HOUR	50.2 2/	48.6 ***	48.1 2/	45.5 ***	2.6
	00:05-00:10 HOUR	48.6 2/	48.6 ***	<0.8 2/	45.5 ***	<0.8
	00:10-00:15 HOUR	46.7 2/	48.6 ***	<0.8 2/	45.5 ***	<0.8
	00:15-00:20 HOUR	50.4 2/	46.6 ***	51.1 2/	44.3 ***	6.8
	00:20-00:25 HOUR	46.7 2/	46.6 ***	33.3 2/	44.3 ***	<0.8
	00:25-00:30 HOUR	50.1 2/	46.6 ***	50.5 2/	44.3 ***	6.2
	00:30-00:35 HOUR	49.2 2/	48.3 ***	44.9 2/	46.0 ***	<0.8
	00:35-00:40 HOUR	49.6 2/	48.3 ***	46.7 2/	46.0 ***	<0.8
	00:40-00:45 HOUR	52.4 2/	48.3 ***	53.3 2/	46.0 ***	7.3
	00:45-00:50 HOUR	50.4 2/	45.9 ***	51.5 2/	44.1 ***	7.4
	00:50-00:55 HOUR	50.2 2/	45.9 ***	51.2 2/	44.1 ***	7.1
	00:55-01:00 HOUR	50.3 2/	45.9 ***	51.3 2/	44.1 ***	7.2

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DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0008	01:00-01:05 HOUR	45.8 2/	46.7 ***	<0.8 2/	44.6 ***	<0.8
	01:05-01:10 HOUR	51.3 2/	46.7 ***	52.5 2/	44.6 ***	7.9
	01:10-01:15 HOUR	51.0 2/	46.7 ***	52.0 2/	44.6 ***	7.4
	01:15-01:20 HOUR	46.4 2/	44.2 ***	45.4 2/	42.4 ***	3.0
	01:20-01:25 HOUR	46.5 2/	44.2 ***	45.6 2/	42.4 ***	3.2
	01:25-01:30 HOUR	46.3 2/	44.2 ***	45.1 2/	42.4 ***	2.7
	01:30-01:35 HOUR	49.1 2/	45.2 ***	49.8 2/	43.2 ***	6.6
	01:35-01:40 HOUR	48.6 2/	45.2 ***	48.9 2/	43.2 ***	5.7
	01:40-01:45 HOUR	45.8 2/	45.2 ***	39.9 2/	43.2 ***	<0.8
	01:45-01:50 HOUR	48.0 2/	43.5 ***	49.1 2/	41.7 ***	7.4
	01:50-01:55 HOUR	46.6 2/	43.5 ***	46.7 2/	41.7 ***	5.0
	01:55-02:00 HOUR	46.5 2/	43.5 ***	46.5 2/	41.7 ***	4.8
	02:00-02:05 HOUR	46.3 2/	46.4 ***	<0.8 2/	44.4 ***	<0.8
	02:05-02:10 HOUR	49.8 2/	46.4 ***	50.1 2/	44.4 ***	5.7
	02:10-02:15 HOUR	49.4 2/	46.4 ***	49.4 2/	44.4 ***	5.0
	02:15-02:20 HOUR	46.0 2/	44.6 ***	43.4 2/	42.6 ***	0.8
	02:20-02:25 HOUR	48.0 2/	44.6 ***	48.3 2/	42.6 ***	5.7
	02:25-02:30 HOUR	47.8 2/	44.6 ***	48.0 2/	42.6 ***	5.4
	02:30-02:35 HOUR	48.2 2/	47.6 ***	42.3 2/	44.9 ***	<0.8
	02:35-02:40 HOUR	47.1 2/	47.6 ***	<0.8 2/	44.9 ***	<0.8
	02:40-02:45 HOUR	50.5 2/	47.6 ***	50.4 2/	44.9 ***	5.5
	02:45-02:50 HOUR	50.5 2/	47.1 ***	50.8 2/	44.2 ***	6.6
	02:50-02:55 HOUR	50.0 2/	47.1 ***	49.9 2/	44.2 ***	5.7
	02:55-03:00 HOUR	49.3 2/	47.1 ***	48.3 2/	44.2 ***	4.1
	03:00-03:05 HOUR	47.1 2/	45.9 ***	43.9 2/	41.5 ***	2.4
	03:05-03:10 HOUR	47.9 2/	45.9 ***	46.6 2/	41.5 ***	5.1
	03:10-03:15 HOUR	48.0 2/	45.9 ***	46.8 2/	41.5 ***	5.3
	03:15-03:20 HOUR	48.6 2/	46.7 ***	47.1 2/	40.9 ***	6.2
	03:20-03:25 HOUR	48.8 2/	46.7 ***	47.6 2/	40.9 ***	6.7
	03:25-03:30 HOUR	46.1 2/	46.7 ***	<0.8 2/	40.9 ***	<0.8
	03:30-03:35 HOUR	49.4 2/	43.9 ***	51.0 2/	42.8 ***	8.2
	03:35-03:40 HOUR	48.5 2/	43.9 ***	49.7 2/	42.8 ***	6.9
	03:40-03:45 HOUR	47.7 2/	43.9 ***	48.4 2/	42.8 ***	5.6
	03:45-03:50 HOUR	49.0 2/	44.0 ***	50.3 2/	42.6 ***	7.7
	03:50-03:55 HOUR	48.1 2/	44.0 ***	49.0 2/	42.6 ***	6.4
	03:55-04:00 HOUR	48.5 2/	44.0 ***	49.6 2/	42.6 ***	7.0
	04:00-04:05 HOUR	45.2 2/	46.0 ***	<0.8 2/	44.3 ***	<0.8
	04:05-04:10 HOUR	46.8 2/	46.0 ***	42.1 2/	44.3 ***	<0.8
	04:10-04:15 HOUR	50.9 2/	46.0 ***	52.2 2/	44.3 ***	7.9
	04:15-04:20 HOUR	47.7 2/	45.4 ***	46.8 2/	43.4 ***	3.4
	04:20-04:25 HOUR	46.5 2/	45.4 ***	43.0 2/	43.4 ***	<0.8
	04:25-04:30 HOUR	49.5 2/	45.4 ***	50.4 2/	43.4 ***	7.0
	04:30-04:35 HOUR	48.2 2/	44.3 ***	48.9 2/	42.5 ***	6.4
	04:35-04:40 HOUR	46.0 2/	44.3 ***	44.1 2/	42.5 ***	1.6
	04:40-04:45 HOUR	46.2 2/	44.3 ***	44.7 2/	42.5 ***	2.2

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DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	**NIGHT TIME** 2/					
T23AG564-0008	04:45-04:50 HOUR	46.8 2/	45.9 ***	42.5 2/	44.2 ***	<0.8
	04:50-04:55 HOUR	50.0 2/	45.9 ***	50.9 2/	44.2 ***	6.7
	04:55-05:00 HOUR	47.9 2/	45.9 ***	46.6 2/	44.2 ***	2.4
	05:00-05:05 HOUR	49.7 2/	46.1 ***	50.2 2/	44.6 ***	5.6
	05:05-05:10 HOUR	47.2 2/	46.1 ***	43.7 2/	44.6 ***	<0.8
	05:10-05:15 HOUR	46.5 2/	46.1 ***	38.9 2/	44.6 ***	<0.8
	05:15-05:20 HOUR	46.9 2/	45.3 ***	44.8 2/	43.6 ***	1.2
	05:20-05:25 HOUR	50.1 2/	45.3 ***	51.4 2/	43.6 ***	7.8
	05:25-05:30 HOUR	46.3 2/	45.3 ***	42.4 2/	43.6 ***	<0.8
	05:30-05:35 HOUR	48.7 2/	45.0 ***	49.3 2/	43.3 ***	6.0
	05:35-05:40 HOUR	47.0 2/	45.0 ***	45.7 2/	43.3 ***	2.4
	05:40-05:45 HOUR	49.7 2/	45.0 ***	50.9 2/	43.3 ***	7.6
	05:45-05:50 HOUR	48.7 2/	48.8 ***	<0.8 2/	47.0 ***	<0.8
	05:50-05:55 HOUR	45.7 2/	48.8 ***	<0.8 2/	47.0 ***	<0.8
	05:55-06:00 HOUR	52.6 2/	48.8 ***	53.3 2/	47.0 ***	6.3
	DAY TIME 1/					
	06:00-07:00 HOUR	55.0 1/	47.9 **	54.1 1/	46.4 **	7.7
APRIL 10, 2023	**DAY TIME** 1/					
T23AG564-0009	07:00-08:00 HOUR	52.0 1/	47.9 **	49.9 1/	43.9 **	6.0
	08:00-09:00 HOUR	51.3 1/	47.0 **	49.3 1/	41.7 **	7.6
	09:00-10:00 HOUR	54.0 1/	50.2 **	51.7 1/	43.2 **	8.5
	10:00-11:00 HOUR	52.6 1/	47.5 **	51.0 1/	44.8 **	6.2
	11:00-12:00 HOUR	52.7 1/	47.3 **	51.2 1/	44.0 **	7.2
	12:00-13:00 HOUR	55.1 1/	49.6 **	53.7 1/	46.1 **	7.6
	13:00-14:00 HOUR	50.3 1/	47.3 **	47.3 1/	41.1 **	6.2
	14:00-15:00 HOUR	49.5 1/	46.7 **	46.3 1/	44.2 **	2.1
	15:00-16:00 HOUR	50.2 1/	46.1 **	48.1 1/	44.3 **	3.8
	16:00-17:00 HOUR	50.0 1/	47.1 **	46.9 1/	42.8 **	4.1
	17:00-18:00 HOUR	50.9 1/	48.5 **	47.2 1/	43.8 **	3.4
	18:00-19:00 HOUR	53.4 1/	48.6 **	51.7 1/	46.4 **	5.3
	19:00-20:00 HOUR	54.7 1/	48.2 **	53.6 1/	45.6 **	8.0
	20:00-21:00 HOUR	52.6 1/	49.8 **	49.4 1/	43.2 **	6.2
	21:00-22:00 HOUR	51.4 1/	45.9 **	50.0 1/	43.0 **	7.0
	NIGHT TIME 2/					
	22:00-22:05 HOUR	47.6 2/	50.0 ***	<0.8 2/	46.6 ***	<0.8
	22:05-22:10 HOUR	49.7 2/	50.0 ***	<0.8 2/	46.6 ***	<0.8
	22:10-22:15 HOUR	53.6 2/	50.0 ***	54.1 2/	46.6 ***	7.5
	22:15-22:20 HOUR	47.9 2/	45.7 ***	46.9 2/	42.2 ***	4.7
	22:20-22:25 HOUR	47.8 2/	45.7 ***	46.6 2/	42.2 ***	4.4
	22:25-22:30 HOUR	49.0 2/	45.7 ***	49.3 2/	42.2 ***	7.1
	22:30-22:35 HOUR	47.9 2/	49.5 ***	<0.8 2/	45.6 ***	<0.8
	22:35-22:40 HOUR	52.5 2/	49.5 ***	52.5 2/	45.6 ***	6.9
	22:40-22:45 HOUR	49.8 2/	49.5 ***	41.0 2/	45.6 ***	<0.8
	22:45-22:50 HOUR	49.7 2/	46.2 ***	50.1 2/	42.7 ***	7.4
	22:50-22:55 HOUR	49.6 2/	46.2 ***	49.9 2/	42.7 ***	7.2

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2023-U027970

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DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 10, 2023	NIGHT TIME 2/					
T23AG564-0009	22:55-23:00 HOUR	47.0 2/	46.2 ***	42.3 2/	42.7 ***	<0.8
	23:00-23:05 HOUR	50.1 2/	47.2 ***	50.0 2/	43.9 ***	6.1
	23:05-23:10 HOUR	47.4 2/	47.2 ***	36.9 2/	43.9 ***	<0.8
	23:10-23:15 HOUR	48.6 2/	47.2 ***	46.0 2/	43.9 ***	2.1
	23:15-23:20 HOUR	48.3 2/	45.8 ***	47.7 2/	43.6 ***	4.1
	23:20-23:25 HOUR	49.8 2/	45.8 ***	50.6 2/	43.6 ***	7.0
	23:25-23:30 HOUR	49.1 2/	45.8 ***	49.4 2/	43.6 ***	5.8
	23:30-23:35 HOUR	50.9 2/	46.7 ***	51.8 2/	44.6 ***	7.2
	23:35-23:40 HOUR	47.7 2/	46.7 ***	43.8 2/	44.6 ***	<0.8
	23:40-23:45 HOUR	50.5 2/	46.7 ***	51.2 2/	44.6 ***	6.6
	23:45-23:50 HOUR	50.5 2/	46.4 ***	51.4 2/	44.0 ***	7.4
	23:50-23:55 HOUR	49.6 2/	46.4 ***	49.8 2/	44.0 ***	5.8
	23:55-00:00 HOUR	46.4 2/	46.4 ***	<0.8 2/	44.0 ***	<0.8
APRIL 11, 2023	NIGHT TIME 2/					
T23AG564-0009	00:00-00:05 HOUR	47.8 2/	45.5 ***	46.9 2/	43.4 ***	3.5
	00:05-00:10 HOUR	50.5 2/	45.5 ***	51.8 2/	43.4 ***	8.4
	00:10-00:15 HOUR	47.5 2/	45.5 ***	46.2 2/	43.4 ***	2.8
	00:15-00:20 HOUR	50.5 2/	46.1 ***	51.5 2/	43.8 ***	7.7
	00:20-00:25 HOUR	47.9 2/	46.1 ***	46.2 2/	43.8 ***	2.4
	00:25-00:30 HOUR	46.0 2/	46.1 ***	<0.8 2/	43.8 ***	<0.8
	00:30-00:35 HOUR	51.4 2/	47.0 ***	52.4 2/	44.4 ***	8.0
	00:35-00:40 HOUR	50.9 2/	47.0 ***	51.6 2/	44.4 ***	7.2
	00:40-00:45 HOUR	49.4 2/	47.0 ***	48.7 2/	44.4 ***	4.3
	00:45-00:50 HOUR	48.2 2/	45.3 ***	48.1 2/	41.3 ***	6.8
	00:50-00:55 HOUR	46.3 2/	45.3 ***	42.4 2/	41.3 ***	1.1
	00:55-01:00 HOUR	47.3 2/	45.3 ***	46.0 2/	41.3 ***	4.7
	01:00-01:05 HOUR	49.7 2/	46.0 ***	50.3 2/	42.2 ***	8.1
	01:05-01:10 HOUR	48.0 2/	46.0 ***	46.7 2/	42.2 ***	4.5
	01:10-01:15 HOUR	47.0 2/	46.0 ***	43.1 2/	42.2 ***	0.9
	01:15-01:20 HOUR	46.7 2/	45.2 ***	44.4 2/	41.9 ***	2.5
	01:20-01:25 HOUR	49.4 2/	45.2 ***	50.3 2/	41.9 ***	8.4
	01:25-01:30 HOUR	47.5 2/	45.2 ***	46.6 2/	41.9 ***	4.7
	01:30-01:35 HOUR	49.6 2/	50.0 ***	<0.8 2/	43.8 ***	<0.8
	01:35-01:40 HOUR	49.6 2/	50.0 ***	<0.8 2/	43.8 ***	<0.8
	01:40-01:45 HOUR	51.6 2/	50.0 ***	49.5 2/	43.8 ***	5.7
	01:45-01:50 HOUR	50.1 2/	49.0 ***	46.6 2/	42.4 ***	4.2
	01:50-01:55 HOUR	50.9 2/	49.0 ***	49.4 2/	42.4 ***	7.0
	01:55-02:00 HOUR	47.3 2/	49.0 ***	<0.8 2/	42.4 ***	<0.8
	02:00-02:05 HOUR	48.3 2/	46.2 ***	47.1 2/	43.7 ***	3.4
	02:05-02:10 HOUR	50.1 2/	46.2 ***	50.8 2/	43.7 ***	7.1
	02:10-02:15 HOUR	48.4 2/	46.2 ***	47.4 2/	43.7 ***	3.7
	02:15-02:20 HOUR	46.5 2/	47.2 ***	<0.8 2/	44.9 ***	<0.8
	02:20-02:25 HOUR	47.7 2/	47.2 ***	41.1 2/	44.9 ***	<0.8
	02:25-02:30 HOUR	51.9 2/	47.2 ***	53.1 2/	44.9 ***	8.2
	02:30-02:35 HOUR	50.3 2/	46.2 ***	51.2 2/	44.3 ***	6.9

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DATE	TIME*	RESULT (dB(A)) L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 11, 2023	NIGHT TIME 2/					
T23AG564-0009	02:35-02:40 HOUR	48.6 2/	46.2 ***	47.9 2/	44.3 ***	3.6
	02:40-02:45 HOUR	48.5 2/	46.2 ***	47.6 2/	44.3 ***	3.3
	02:45-02:50 HOUR	51.8 2/	47.2 ***	53.0 2/	45.2 ***	7.8
	02:50-02:55 HOUR	46.6 2/	47.2 ***	<0.8 2/	45.2 ***	<0.8
	02:55-03:00 HOUR	47.6 2/	47.2 ***	40.0 2/	45.2 ***	<0.8
	03:00-03:05 HOUR	48.8 2/	47.1 ***	46.9 2/	41.3 ***	5.6
	03:05-03:10 HOUR	48.7 2/	47.1 ***	46.6 2/	41.3 ***	5.3
	03:10-03:15 HOUR	45.9 2/	47.1 ***	<0.8 2/	41.3 ***	<0.8
	03:15-03:20 HOUR	49.7 2/	48.1 ***	47.6 2/	40.5 ***	7.1
	03:20-03:25 HOUR	47.1 2/	48.1 ***	<0.8 2/	40.5 ***	<0.8
	03:25-03:30 HOUR	46.6 2/	48.1 ***	<0.8 2/	40.5 ***	<0.8
	03:30-03:35 HOUR	45.3 2/	45.5 ***	<0.8 2/	39.2 ***	<0.8
	03:35-03:40 HOUR	46.5 2/	45.5 ***	42.6 2/	39.2 ***	3.4
	03:40-03:45 HOUR	46.8 2/	45.5 ***	43.9 2/	39.2 ***	4.7
	03:45-03:50 HOUR	44.2 2/	44.7 ***	<0.8 2/	42.2 ***	<0.8
	03:50-03:55 HOUR	48.5 2/	44.7 ***	49.2 2/	42.2 ***	7.0
	03:55-04:00 HOUR	49.4 2/	44.7 ***	50.6 2/	42.2 ***	8.4
	04:00-04:05 HOUR	47.4 2/	45.4 ***	46.1 2/	43.0 ***	3.1
	04:05-04:10 HOUR	47.8 2/	45.4 ***	47.1 2/	43.0 ***	4.1
	04:10-04:15 HOUR	49.6 2/	45.4 ***	50.5 2/	43.0 ***	7.5
	04:15-04:20 HOUR	49.8 2/	46.3 ***	50.2 2/	43.4 ***	6.8
	04:20-04:25 HOUR	50.7 2/	46.3 ***	51.7 2/	43.4 ***	8.3
	04:25-04:30 HOUR	46.4 2/	46.3 ***	33.0 2/	43.4 ***	<0.8
	04:30-04:35 HOUR	46.1 2/	48.3 ***	<0.8 2/	45.0 ***	<0.8
	04:35-04:40 HOUR	52.2 2/	48.3 ***	52.9 2/	45.0 ***	7.9
	04:40-04:45 HOUR	51.7 2/	48.3 ***	52.0 2/	45.0 ***	7.0
	04:45-04:50 HOUR	50.2 2/	46.5 ***	50.8 2/	43.0 ***	7.8
	04:50-04:55 HOUR	50.5 2/	46.5 ***	51.3 2/	43.0 ***	8.3
	04:55-05:00 HOUR	48.7 2/	46.5 ***	47.7 2/	43.0 ***	4.7
	05:00-05:05 HOUR	47.2 2/	46.5 ***	41.9 2/	43.3 ***	<0.8
	05:05-05:10 HOUR	50.4 2/	46.5 ***	51.1 2/	43.3 ***	7.8
	05:10-05:15 HOUR	48.4 2/	46.5 ***	46.9 2/	43.3 ***	3.6
	05:15-05:20 HOUR	48.8 2/	46.8 ***	47.5 2/	43.8 ***	3.7
	05:20-05:25 HOUR	46.3 2/	46.8 ***	<0.8 2/	43.8 ***	<0.8
	05:25-05:30 HOUR	49.6 2/	46.8 ***	49.4 2/	43.8 ***	5.6
	05:30-05:35 HOUR	51.4 2/	48.1 ***	51.7 2/	45.0 ***	6.7
	05:35-05:40 HOUR	48.5 2/	48.1 ***	40.9 2/	45.0 ***	<0.8
	05:40-05:45 HOUR	49.5 2/	48.1 ***	46.9 2/	45.0 ***	1.9
	05:45-05:50 HOUR	51.3 2/	48.1 ***	51.5 2/	44.1 ***	7.4
	05:50-05:55 HOUR	50.7 2/	48.1 ***	50.2 2/	44.1 ***	6.1
	05:55-06:00 HOUR	50.2 2/	48.1 ***	49.0 2/	44.1 ***	4.9

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DATE	TIME*	RESULT (dB(A))				
		L53-GN3 (UTM WGS 84 ZONE 47P 600881E 1550620N)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 11, 2023	DAY TIME 1/					
T23AG564-0009	06:00-07:00 HOUR	50.5 1/	47.2 **	47.8 1/	42.9 **	4.9

REMARK :

1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS $L_{Aeq\ 1\ hour}$.

2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS $L_{Aeq\ 5\ minutes}$.

** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 11 TIMES MEASURING.
(55 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR)
AND RESIDUAL SOUND LEVEL ($L_{Aeq\ 5\ minutes}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

*** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)
AND RESIDUAL SOUND LEVEL ($L_{Aeq\ 5\ minutes}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

APRIL 19, 2023

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NSC - TISI - TIS 17025 TESTING 0207

TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GSW1 (UTM WGS 84 ZONE 47P 600639E 1551000N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : JUNE 2, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JUNE 2, 2023
ANALYTICAL DATE : JUNE 2-14, 2023
REPORT NO. : 2023-U047748
WORK NO. : 2023-001314
ANALYSIS NO. : T23AK281-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GSW1 T23AK281-0001	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	8.7 (33°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	33	-
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	327 (33°C)	0.1
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.1	0.1
DISSOLVED OXYGEN [c]	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: PART 4500-O C)	5.6	0.5
BIOCHEMICAL OXYGEN DEMAND [c]	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	3.1	1.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	7.4	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	207	25
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0025	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.057	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.206	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.002
MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	ND	0.0001

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NSC - TISI - TIS 17025 TESTING 0207

TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GSW1 T23AK281-0001	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MICROBIOLOGY				
FAECAL COLIFORM BACTERIA [b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	4.5	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (MANGANESE ≥ 0.002 AND < 0.025 mg/L).

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

JUNE 19, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GSW2 (UTM WGS 84 ZONE 47P 600570E 1550904N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : MARCH 27, 2023
SAMPLING TIME : 12:30 HOUR
SAMPLING METHOD [c] : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS ARIYA THARAROM
RECEIVED DATE : MARCH 28, 2023
ANALYTICAL DATE : MARCH 28 - APRIL 11, 2023
REPORT NO. : 2023-U027035
WORK NO. : 2023-001314
ANALYSIS NO. : T23AF542-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GSW2 (คลองชลประทาน ต้นน้ำ) T23AF542-0001	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	8.2 (35°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	35	-
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	1,251 (35°C)	0.1
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.6	0.1
DISSOLVED OXYGEN [c]	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: PART 4500-O C)	3.7	0.5
BIOCHEMICAL OXYGEN DEMAND [c]	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	2.7	1.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	25.7	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	750	25
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0075	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.070	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.828	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.210	0.002
MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	ND	0.0001

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GSW2 (คลองชลประทาน ต้นน้ำ) T23AF542-0001	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MICROBIOLOGY				
FAECAL COLIFORM BACTERIA [b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	49	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rdEDITION, 2017.
ND : NON-DETECTABLE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 17, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II 17TH FLOOR UNIT 1702 PHAHONYOTHIN ROAD, CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GSW3 (UTM WGS 84 ZONE 47P 601320E 1550787N)
SAMPLE TYPE : SURFACE WATER
SAMPLING DATE : MARCH 27, 2023
SAMPLING TIME : 12:50 HOUR
SAMPLING METHOD [c] : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS ARIYA THARAROM
RECEIVED DATE : MARCH 28, 2023
ANALYTICAL DATE : MARCH 28 - APRIL 11, 2023
REPORT NO. : 2023-U027036
WORK NO. : 2023-001314
ANALYSIS NO. : T23AF542-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GSW3 (คลองชอประทาน ห้วยน้ำ) T23AF542-0002	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	7.5 (33°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	33	-
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	669 (33°C)	0.1
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.3	0.1
DISSOLVED OXYGEN [c]	mg/L	AZIDE MODIFICATION METHOD AT SITE (SM: PART 4500-O C)	2.9	0.5
BIOCHEMICAL OXYGEN DEMAND [c]	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	5.1	1.0
SUSPENDED SOLIDS [a]	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	11.5	5.0
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	404	25
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0072	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.041	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.240	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.288	0.002
MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	ND	0.0001

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GSW3 (คลองชอประทาน ห้วยน้ำ) T23AF542-0002	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MICROBIOLOGY				
FAECAL COLIFORM BACTERIA [b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	170	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			BROWN	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 RDEDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 RDEDITION, 2017.
ND : NON-DETECTABLE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 17, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GGW1 (UTM WGS 84 ZONE 47P 601316E 1551479N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : MARCH 27, 2023
SAMPLING TIME : 12:30 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS KEWALEE SUKHAREE
RECEIVED DATE : MARCH 28, 2023
ANALYTICAL DATE : MARCH 28-APRIL 11, 2023
REPORT NO. : 2023-U026979
WORK NO. : 2023-001314
ANALYSIS NO. : T23AF541-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GGW1 หมู่ 6 บ้านหุ่งบัว ต.หุ่งบัว อ.กำแพงแสน จ.นครปฐม T23AF541-0004	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	8.0 (34°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	34	-
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.5	0.1
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	1,108 (34°C)	0.1
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	556	25
CHLORIDE [a]	mg/L Cl	ARGENTOMETRIC METHOD (SM: PART 4500-Cl- B)	187	2.0
SULPHATE [c]	mg/L SO_4^{2-}	TURBIDIMETRIC METHOD (SM: PART 4500-SO_4^{2-} E)	12.1	0.3
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0544	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.290	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
CALCIUM [c]	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	46.3	0.005
COPPER [c]	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.059	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.029	0.002

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GGW1 หมู่ 6 บ้านหุ่งบัว ต.หุ่งบัว อ.กำแพงแสน จ.นครปฐม T23AF541-0004	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
POTASSIUM [c]	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	4.75	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
TOTAL MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	< LOQ	0.0001
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
SODIUM [c]	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	118	0.005
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			BROWN	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
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SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (TOTAL MERCURY ≥ 0.0001 AND < 0.0005 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 17, 2023

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TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GGW2 (UTM WGS 84 ZONE 47P 600955E 1550535N)
SAMPLE TYPE : GROUNDWATER **RECEIVED DATE** : MARCH 28, 2023
SAMPLING DATE : MARCH 27, 2023 **ANALYTICAL DATE** : MARCH 28-APRIL 11, 2023
SAMPLING TIME : 12:10 HOUR **REPORT NO.** : 2023-U026981
SAMPLING METHOD [c] : GRAB **WORK NO.** : 2023-001314
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP **ANALYSIS NO.** : T23AF541-0005
ANALYZED BY : MISS KEWALEE SUKHAREE

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GGW2 หมู่ 8 บ้านห้วยด้วน ต.รางพิกุล อ.กำแพงแสน จ.นครปฐม T23AF541-0005	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.4 (32°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	32	-
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	842 (32°C)	0.1
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.3	0.1
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	538	25
CHLORIDE [a]	mg/L Cl^-	ARGENTOMETRIC METHOD (SM: PART 4500-Cl^- B)	174	2.0
SULPHATE [c]	mg/L SO_4^{2-}	TURBIDIMETRIC METHOD (SM: PART 4500-SO_4^{2-} E)	17.8	0.3
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0010	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.167	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
CALCIUM [c]	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	67.2	0.005
COPPER [c]	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.002

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GGW2 หมู่ 8 บ้านห้วยด้วน ต.รางพิกุล อ.กำแพงแสน จ.นครปฐม T23AF541-0005	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
POTASSIUM [c]	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	4.92	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
SODIUM [c]	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	97.0	0.005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
TOTAL MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	ND	0.0001
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.253	0.003
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (IRON ≥ 0.005 AND < 0.050 mg/L, MANGANESE ≥ 0.002 AND < 0.025 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 17, 2023

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2023-U026981

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NSC -TISI -TIS 17025
TESTING 0207

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : MWL53G-1 (UTM WGS 84 ZONE 47P 601275E 1551104N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : MARCH 27, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD [c] : SUBMERSIBLE PUMP
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS KEWALEE SUKHAREE

RECEIVED DATE : MARCH 28, 2023
ANALYTICAL DATE : MARCH 28-APRIL 11, 2023
REPORT NO. : 2023-U026974
WORK NO. : 2023-001314
ANALYSIS NO. : T23AF541-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWL53G-1 T23AF541-0001	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	7.8 (29°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	29	-
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.6	0.1
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	1,322 (29°C)	0.1
TOTAL DISSOLVED SOLIDS [c]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	1,064	25
CHLORIDE [a]	mg/L Cl	ARGENTOMETRIC METHOD (SM: PART 4500-Cl- B)	350	2.0
SULPHATE [c]	mg/L SO_4^{2-}	TURBIDIMETRIC METHOD (SM: PART 4500-SO_4^{2-} E)	134	0.3
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0255	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.068	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
CALCIUM [c]	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	135	0.005
COPPER [c]	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.410	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.914	0.002

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NSC -TISI -TIS 17025
TESTING 0207

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWL53G-1 T23AF541-0001	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
POTASSIUM [c]	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	5.27	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
TOTAL MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	ND	0.0001
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.057	0.003
SODIUM [c]	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	202	0.005
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			BROWN	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 RD EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 RD EDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L, LEAD ≥ 0.003 AND < 0.100 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 17, 2023

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : MWL53G-2 (UTM WGS 84 ZONE 47P 601038E 1550996N)
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : MARCH 27, 2023
SAMPLING TIME : 13:40 HOUR
SAMPLING METHOD [c] : SUBMERSIBLE PUMP
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS KEWALEE SUKHAREE
RECEIVED DATE : MARCH 28, 2023
ANALYTICAL DATE : MARCH 28-APRIL 11, 2023
REPORT NO. : 2023-U026976
WORK NO. : 2023-001314
ANALYSIS NO. : T23AF541-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWL53G-2 T23AF541-0002	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.5 (29°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	29	-
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.6	0.1
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	1,227 (29°C)	0.1
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	855	25
CHLORIDE [a]	mg/L Cl^-	ARGENTOMETRIC METHOD (SM: PART 4500-Cl^- B)	432	2.0
SULPHATE [c]	mg/L SO_4^{2-}	TURBIDIMETRIC METHOD (SM: PART 4500-SO_4^{2-} E)	17.3	0.3
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0082	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.274	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
CALCIUM [c]	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	131	0.005
COPPER [c]	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.379	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.315	0.002

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NSC -TISI -TIS 17025 TESTING 0207
TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWL53G-2 T23AF541-0002	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
POTASSIUM [c]	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	4.76	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
TOTAL MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	< LOQ	0.0001
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.026	0.003
SODIUM [c]	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	177	0.005
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			BROWN	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L, LEAD ≥ 0.003 AND < 0.100 mg/L, TOTAL MERCURY ≥ 0.0001 AND < 0.0005 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 17, 2023

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NSC-TISI-TIS 17025 TESTING 0207
TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : MWL53G-3 (UTM WGS 84 ZONE 47P 601186E 1550854N)
SAMPLE TYPE : GROUNDWATER **RECEIVED DATE** : MARCH 28, 2023
SAMPLING DATE : MARCH 27, 2023 **ANALYTICAL DATE** : MARCH 28-APRIL 11, 2023
SAMPLING TIME : 13:20 HOUR **REPORT NO.** : 2023-U026977
SAMPLING METHOD [c] : SUBMERSIBLE PUMP **WORK NO.** : 2023-001314
SAMPLING BY [c] : MR KRIDSANAPONG NAMTHIP **ANALYSIS NO.** : T23AF541-0003
ANALYZED BY : MISS KEWALEE SUKHAREE

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWL53G-3 T23AF541-0003	DETECTION LIMIT
pH [c]	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H^+ B)	7.3 (30°C)	-
TEMPERATURE [c]	°C	THERMOMETER AT SITE (SM: PART 2550 B)	30	-
SALINITY [c]	ppt	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2520 B)	0.4	0.1
ELECTRICAL CONDUCTIVITY [c]	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	832 (30°C)	0.1
TOTAL DISSOLVED SOLIDS [b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	517	25
CHLORIDE [a]	mg/L Cl^-	ARGENTOMETRIC METHOD (SM: PART 4500-Cl^- B)	96.2	2.0
SULPHATE [c]	mg/L SO_4^{2-}	TURBIDIMETRIC METHOD (SM: PART 4500-SO_4^{2-} E)	17.5	0.3
TOTAL PETROLEUM HYDROCARBONS [c]	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	ND	3
METALS				
ARSENIC [c]	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0090	0.0003
BARIUM [c]	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.191	0.003
CADMIUM [c]	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
CALCIUM [c]	mg/L Ca	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	73.3	0.005
COPPER [c]	mg/L Cu	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.002
IRON [c]	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	2.31	0.005
LEAD [c]	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.003
MANGANESE [c]	mg/L Mn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	1.09	0.002

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TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT MWL53G-3 T23AF541-0003	DETECTION LIMIT
NICKEL [c]	mg/L Ni	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
POTASSIUM [c]	mg/L K	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	14.8	0.005
SELENIUM [c]	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
TOTAL CHROMIUM [c]	mg/L Cr	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
TOTAL MERCURY [c]	mg/L Hg	IN-HOUSE METHOD: UAE.TP.HEM.002 (COLD VAPOUR ATOMIC ABSORPTION SPECTROMETRIC METHOD); SM: PART 3112 B	ND	0.0001
ZINC [c]	mg/L Zn	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.039	0.003
SODIUM [c]	mg/L Na	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	64.7	0.005
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			BROWN	

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (COPPER ≥ 0.002 AND < 0.025 mg/L, LEAD ≥ 0.003 AND < 0.100 mg/L).

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

APRIL 17, 2023

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ANALYSIS REPORT

CUSTOMER NAME : PAN ORIENT ENERGY (SIAM) LIMITED
ADDRESS : 555 RASA TOWER II, 17TH FLOOR, UNIT 1702, PHAHOLYOTHIN ROAD, CHATUCHAK, BANGKOK 10900.
CONTACT INFORMATION : TEL : 0 2937 1138-40 e-mail : prakaipruek@poesiam.com
SAMPLING SOURCE : L53-GPW1 (UTM WGS 84 ZONE 47P 601114E 1551065N)
SAMPLE TYPE : PRODUCED WATER
SAMPLING DATE : MARCH 28, 2023
SAMPLING TIME : 09:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS CHOMTHANAN APHIPATPAPHA
RECEIVED DATE : MARCH 30, 2023
ANALYTICAL DATE : MARCH 30-APRIL 18, 2023
REPORT NO. : 2023-U027826
WORK NO. : 2023-001314
ANALYSIS NO. : T23AF679-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GPW1 T23AF679-0001	DETECTION LIMIT
pH	-	ELECTROMETRIC METHOD (SM: PART 4500-H^+ B)	8.2 (25°C)	-
TEMPERATURE	°C	THERMOMETER AT SITE (SM: PART 2550 B)	49	-
ELECTRICAL CONDUCTIVITY	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD (SM: 2510 B)	2,200 (25°C)	0.1
SALINITY	ppt	ELECTRICAL CONDUCTIVITY METHOD (SM: PART 2520 B)	1.1	0.1
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	103	5.0
TOTAL DISSOLVED SOLIDS	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	1,600	25
TOTAL PETROLEUM HYDROCARBONS	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D AND PART 5520 F)	61	3
CHLORIDE	mg/L Cl^-	ARGENTOMETRIC METHOD (SM: PART 4500-Cl^- B)	63.6	2.0
SULPHATE	mg/L SO_4^{2-}	TURBIDIMETRIC METHOD (SM: PART 4500-SO_4^{2-} E)	5.6	0.3
METALS				
ARSENIC	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	0.0021	0.0003
SELENIUM	mg/L Se	HYDRIDE GENERATION AAS METHOD (SM: PART 3114 C)	ND	0.0005
CADMIUM	mg/L Cd	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.002
COPPER	mg/L Cu	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
LEAD	mg/L Pb	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.015
IRON	mg/L Fe	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	0.264	0.005
TOTAL CHROMIUM	mg/L Cr	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.007
MANGANESE	mg/L Mn	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	< LOQ	0.004

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT L53-GPW1 T23AF679-0001	DETECTION LIMIT
NICKEL	mg/L Ni	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.005
ZINC	mg/L Zn	IN-HOUSE METHOD: UAE.TP.IW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: PART 3030 E AND PART 3111 B	ND	0.003
MERCURY	mg/L Hg	COLD VAPOUR AAS METHOD (SM: PART 3112 B)	ND	0.0005
BARIUM	mg/L Ba	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.723	0.005
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			BROWN/TURBID	
SEDIMENT			BROWN	

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23 rd EDITION, 2017.
ND : NON-DETECTABLE.
< LOQ : < LIMIT OF QUANTITATION (MANGANESE ≥ 0.004 AND < 0.050 mg/L).

Bhuchonk P.
(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

APRIL 19, 2023

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