

ภาคผนวก 3ก

ผลการตรวจวัดคุณภาพอากาศจาก CEMS
ของโครงการตั้งแต่วันที่ 1 มกราคม 2564 ถึงวันที่ 30 มิถุนายน 2565

CEMS HRSG11

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน มกราคม 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#11							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO ₂ @7%O ₂ (ppm) < 10 ppm.	Remark
1	15.03	104.29	1.37	9.71	21.64	1.2	
2	15.03	104.16	1.43	9.68	21.51	1.22	
3	15.02	104.21	1.61	9.41	21.68	1.26	
4	14.94	111.28	2.1	9.76	23.46	1.25	
5	14.95	111.44	1.44	8.17	25.31	1.22	
6	14.93	111.67	1.21	7.35	26.87	1.2	
7	14.87	116.77	1.02	6.27	29.08	1.32	
8	14.93	111.45	1.41	6.57	26.32	1.5	
9	15	103.76	1.3	6.42	23.67	1.53	
10	14.94	111.23	1.02	6.55	27.29	1.44	
11	14.93	111.22	1.05	7.12	24.89	1.46	
12	14.89	111.63	1.31	6.23	26.06	1.57	
13	14.91	111.63	1.31	6.06	25.89	1.54	
14	14.92	111.14	1.71	6.81	23.41	1.47	
15	14.92	110.89	1.23	6.33	24.96	1.23	
16	14.99	103.5	1.48	6.77	22.03	1.26	
17	14.91	110.94	1.14	6.52	25.55	1.28	
18	14.94	111.04	0.73	6.81	25.06	1.3	
19	15.07	108.85	0.7	8.72	26.16	1.35	
20	14.91	110.97	1.19	6.8	26	1.34	
21	14.86	111.31	2.77	6.91	25.44	1.44	
22	14.89	110.69	3.28	7.9	23.51	1.53	
23	14.98	103.2	2.31	8	19.95	1.48	
24	14.92	110.38	1.71	8.21	23.3	1.45	
25	14.87	112.72	1.93	7.24	25.9	1.43	
26	14.87	111.12	2.08	7.05	25.71	1.47	
27	14.86	111.11	2.84	7.22	25.13	1.51	
28	14.85	111.35	2.67	7.2	25.73	1.53	
29	14.85	111.12	2.92	6.99	25.5	1.48	
30	20.7	21.01	2.72	3.34	0.64	0.18	
31	20.77	21.41	3.31	0	0	0	

FM-OP-001 / Rev.00

หมายเหตุ 30-31/01/65 00:00 - 24:00 GTG.11 shutdown for plan schedule outage

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน กุมภาพันธ์ 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#11							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO2 @7%O ₂ (ppm) < 10 ppm.	Remark
1	15.09	109.9	2.95	26.22	32.65	2.05	
2	14.95	112.38	3.09	21.66	30.6	2.05	
3	14.94	112.27	2.62	19.35	30.78	2.18	
4	14.94	112.07	2.69	18.14	31.16	2.2	
5	14.96	111.97	2.58	16.9	31.47	2.08	
6	14.81	134.98	1.38	20.46	49.46	1.91	
7	14.79	134.81	1.01	20.35	49.56	1.74	
8	14.91	114.58	2.04	16.5	35.28	1.74	
9	14.91	112.73	3.13	17.88	32.06	1.85	
10	14.9	112.8	3.76	18.57	32.66	1.91	
11	14.91	112.75	2.97	17.04	33.12	1.89	
12	14.92	112.79	4.06	17.65	32.9	1.93	
13	15	104.79	2.78	19.11	26.05	1.96	
14	14.93	112.49	2.97	18.24	32.09	1.96	
15	14.94	112.37	4.2	19	31.47	2	
16	14.94	112.25	6.75	16.76	32.33	2.03	
17	14.93	112.13	4.06	17.69	31.17	2.05	
18	14.94	112.08	3.63	20.46	30.65	2.11	
19	14.97	111.51	4.43	17.45	30.82	2.02	
20	15.04	103.7	4.72	20.35	23.88	2.12	
21	14.97	111.5	3.69	18.65	29.7	2.11	
22	15.62	100.35	2.35	26.02	29.56	2.1	
23	15.04	111.61	1.82	25.48	28.2	2.15	
24	15.07	112	0.97	29.58	30.44	2.21	
25	15.08	111.99	0.76	24.91	31.18	2.13	
26	15.09	111.58	0.85	22.56	31.14	2.11	
27	15.15	104.05	0.85	20.88	26.16	2.16	
28	15.05	111.19	1.16	32.95	26.16	2.37	

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หมายเหตุ

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน มีนาคม 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#11							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO2 @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.93	117.92	2.15	33.49	30.16	2.61	
2	14.92	118.2	3	28.55	29.98	2.92	
3	14.9	118.58	2.87	25.01	32.41	2.85	
4	14.87	118.94	2.67	28.1	33.42	2.96	
5	14.84	119.64	3.11	23.58	33.01	2.86	
6	18.19	61.64	3.69	19.15	14.75	1.7	
7	14.88	118.55	2.84	29.08	30.18	3.02	
8	14.91	118.74	3	22.15	32.4	2.79	
9	14.89	118.41	2.17	19.6	31.44	2.78	
10	14.86	118.39	3.14	21.83	30.86	2.77	
11	14.89	118.52	3.04	21.58	32.1	2.45	
12	14.9	118.7	2.75	22.41	31.63	2.44	
13	14.88	117.9	2.57	26.64	30.12	2.5	
14	14.89	118.64	2.94	35.15	30.1	2.71	
15	14.9	118.11	3.3	34.02	29.19	2.72	
16	14.9	118.11	3.39	30.64	29.8	2.62	
17	14.9	117.89	2.77	25.43	29.84	2.51	
18	14.88	118.08	3.27	26.27	30.1	2.61	
19	14.91	118.18	2.34	21.05	31.96	2.5	
20	20.75	22.55	4.3	4.29	0.46	0.08	
21	17.35	83.39	5.4	16.33	24.85	1.59	
22	14.9	118.01	4.01	20.4	30.85	2.53	
23	14.91	118.11	3.79	19.72	30.99	2.54	
24	14.91	118.1	4.68	18.15	31.31	2.59	
25	14.9	118.12	4.5	19.86	30.38	2.56	
26	14.91	118.08	3.38	21.19	30.18	2.53	
27	14.68	133.53	3.34	18.02	52.58	2.45	
28	14.89	118.07	3.03	25.33	29.19	2.98	
29	14.91	117.64	2.86	28.39	28.5	3.13	
30	14.92	117.42	2.48	24.5	28.54	3.02	
31	14.92	117.26	2.22	26.01	28.31	3.04	

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หมายเหตุ 6/3/65 GTG.11 shutdown HP.11 feed water control valve leak passing

20/3/65 GTG.11 shutdown HP.11 feed water control valve leak passing

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน เมษายน 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#11							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO ₂ @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.91	118.73	1.65	21.87	30.45	2.92	
2	14.97	119.65	1.61	19	30.68	2.82	
3	15.1	107.14	2.5	24.08	26.53	2.93	
4	14.97	119.71	1.3	23.85	30.88	2.79	
5	14.95	119.88	0.85	23.06	31.71	2.84	
6	14.93	119.54	0.9	21.28	31.37	2.78	
7	14.92	119.86	0.86	21.38	32.96	2.71	
8	14.94	120.16	0.57	16.07	35.65	2.66	
9	14.93	119.86	0.74	20.61	32.98	2.75	
10	15.01	107.26	1.54	26.41	24.44	2.94	
11	14.84	119.76	3.01	26.62	31.04	3.01	
12	14.97	107.01	3.16	43.17	21.35	3.98	
13	15.01	106.96	2.47	24.75	22.39	4.27	
14	15.02	107.08	2.21	31.35	21.76	4.39	
15	15.03	107.25	1.94	35.64	21.26	4.27	
16	15.01	107.5	2.62	45.2	20.55	3.45	
17	15.01	107.54	2.69	33.69	20.97	1.95	
18	14.89	120.12	3.67	24.86	30.27	1.89	
19	14.89	120.15	3.79	24.34	30.52	1.9	
20	14.89	120.03	2.83	26.37	30.87	1.9	
21	14.88	119.98	2.99	19.6	31.58	1.89	
22	14.88	119.98	2.7	16.24	31.54	1.89	
23	14.87	120	2.85	14.45	31.96	1.89	
24	15.01	106.68	3.32	16.98	22.6	1.95	
25	14.86	119.01	3.12	13.62	29.33	1.89	
26	14.87	119.03	4.1	12.4	30.53	1.89	
27	14.89	118.95	2.6	11.76	31.09	1.89	
28	14.87	119.18	4.24	11.56	31.31	1.89	
29	14.91	119.36	4.98	12.86	31	1.9	
30	14.9	119.17	2.56	21.85	28.54	1.9	

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หมายเหตุ

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน พฤษภาคม 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#11							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO ₂ @7%O ₂ (ppm) < 10 ppm.	Remark
1	15.02	107.63	3.83	26.97	21.01	1.95	
2	15.04	107.88	3.09	28.69	21.49	1.97	
3	14.97	121.27	2.12	24.63	28.08	1.93	
4	14.97	121.48	2.24	17.96	30.17	1.93	
5	14.94	121.66	1.58	19.53	31.51	1.92	
6	14.89	121.62	2.48	17.68	32.51	1.9	
7	14.87	121.61	3.46	10.9	32.94	1.89	
8	15.01	107.44	3.72	12.96	22.69	1.95	
9	14.89	120.52	4.6	11.41	30.09	1.89	
10	14.92	119.9	4.68	12.65	28.8	1.91	
11	14.92	119.83	4.38	11.2	29.02	1.91	
12	14.91	119.84	4.87	12.32	27.67	1.91	
13	14.92	120.15	3.52	12.27	28.4	1.91	
14	14.91	120.26	3.23	12.02	28.61	1.91	
15	15.04	106.52	3.65	13.84	20.21	1.96	
16	15.05	106.33	3.95	11.89	20.54	1.97	
17	14.94	119.64	3.59	11.45	27.97	1.92	
18	14.96	118.83	4.92	9.42	26.89	1.93	
19	14.94	118.84	3.39	10.33	28.36	2.62	
20	14.93	119.07	2.94	9.87	28.82	4.12	
21	14.94	119.46	3.24	9.32	30.04	4.23	
22	14.72	134.11	3.29	7.29	48.21	4.07	
23	14.73	134.39	2.61	7.35	48.14	4.03	
24	14.73	134.68	2.35	7.33	48.58	3.94	
25	14.74	134.87	3	8.03	43.58	2.63	
26	14.74	135.86	3.92	9.09	39.88	1.83	
27	14.74	135.8	2.82	9.1	39.88	1.83	
28	14.74	135.71	2.96	9.44	39.87	1.83	
29	14.74	135.72	2.42	9.46	39.87	1.83	
30	15.27	124.55	2.57	10.23	36.42	1.71	
31	14.76	135.37	3.21	9.24	40.12	1.84	

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หมายเหตุ

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน มิถุนายน 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#11							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO2 @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.76	135.43	2.07	8.96	40.08	1.84	
2	14.76	135.42	2.48	8.8	40.14	1.84	
3	15.27	135.47	3.61	7.98	34.14	1.77	
4	18.87	135.52	2.72	2.58	11.19	0.51	
5	14.74	135.35	2.99	8.68	39.89	1.83	
6	14.74	135.46	2.62	8.02	39.9	1.83	
7	14.74	135.48	2.69	7.74	39.91	1.83	
8	14.74	135.42	2.58	7.4	39.94	1.83	
9	14.74	135.26	1.38	7.38	39.92	1.83	
10	14.74	135.26	1.01	7.27	39.93	1.83	
11	14.74	135.68	2.04	7.43	39.91	1.83	
12	14.74	135.56	3.13	7.37	39.96	1.83	
13	14.74	135.61	2.62	7.88	39.95	1.83	
14	14.74	135.25	2.69	7.71	39.93	1.83	
15	14.74	135.48	2.58	8.1	39.96	1.83	
16	14.75	135.45	1.38	8.32	39.98	1.83	
17	14.74	134.52	1.01	8.92	41.57	1.83	
18	14.83	127.72	2.04	10.59	36.29	1.87	
19	15.06	106.29	3.13	11.43	22.9	1.97	
20	14.93	119.55	4.3	12.34	31	1.91	
21	14.91	118.84	5.4	11.8	31.35	1.91	
22	14.92	118.43	4.01	11.44	31.27	1.91	
23	14.91	118.43	3.79	11.84	30.89	1.91	
24	14.92	118.48	4.68	12.73	32.04	1.91	
25	14.91	118.37	4.5	12.8	32.54	1.91	
26	17.39	73.32	3.38	11.99	15.86	1.19	
27	15.07	116.09	3.34	18.38	28.36	1.87	
28	19.98	33.38	3.03	4.7	5.3	0.32	
29	15.18	114.11	2.86	11.56	30.55	1.96	
30	15.71	107.43	2.48	12.62	29.65	1.8	
31	14.74	33.38	1.01	2.58	5.3	0.32	

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หมายเหตุ

CEMS HRSG12

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน มกราคม 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#12							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO ₂ @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.87853	101.96	0.765847	28.74171	14.63693	2.2	
2	14.8773	101.88	0.764474	26.98731	14.76171	2.13	
3	14.8617	101.92	0.753531	27.71445	14.55715	2.18	
4	14.77759	109.65	0.957012	31.96486	19.20365	2.22	
5	14.78418	109.88	0.789595	22.63982	20.94612	1.99	
6	14.76912	110.13	0.736163	20.53902	21.17412	1.87	
7	14.71311	115.82	0.781579	17.86529	25.88672	1.94	
8	14.7725	110	0.716633	15.85815	22.16937	1.95	
9	14.84773	101.83	0.597885	13.22723	16.82262	1.86	
10	14.78358	109.98	0.668828	17.70024	20.97533	1.76	
11	14.77509	109.98	0.732963	23.64438	19.04659	1.85	
12	14.73877	110.43	0.912891	17.42695	19.97504	1.77	
13	14.75491	110.5	0.843303	18.76165	19.89578	1.74	
14	14.75767	109.87	1.040885	21.13757	19.40463	1.77	
15	14.76658	109.68	0.942292	19.44933	20.25101	1.68	
16	14.84014	101.69	0.938899	16.18887	14.8441	1.65	
17	14.7508	109.79	0.827316	16.641	20.35611	1.62	
18	14.76784	109.73	0.732906	16.60811	20.6445	1.56	
19	14.75098	110.14	0.72745	17.52317	21.23499	1.53	
20	14.7478	109.44	0.84662	18.92102	20.37766	1.58	
21	14.72719	109.1	1.329486	22.38595	19.20586	1.71	
22	14.72345	109.27	1.486778	21.08243	17.69523	1.69	
23	14.81874	101.17	1.167001	17.14931	13.43929	1.56	
24	14.75223	108.92	1.074092	23.13504	17.93313	1.66	
25	14.99357	104.53	1.108308	24.12058	20.10029	1.62	
26	14.70863	109.93	1.156116	20.32294	19.70477	1.67	
27	14.69485	109.97	1.318972	21.19352	19.59132	1.71	
28	14.68844	110.18	1.335956	22.43746	19.86226	1.76	
29	14.68702	110.12	1.418171	18.55378	19.99816	1.68	
30	14.50349	133.05	1.413537	30.62302	31.83059	1.85	
31	14.48996	132.57	1.402192	19.01527	34.64607	1.69	

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หมายเหตุ

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน กุมภาพันธ์ 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#12							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO ₂ @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.63473	113	1.443872	21.44646	23.79656	1.83	
2	14.66721	110.59	1.427196	18.6292	20.53264	1.76	
3	14.65763	110.45	1.376061	25.13726	20.77342	1.84	
4	14.67017	109.99	1.481286	23.41444	20.44692	1.82	
5	14.6937	110.31	1.158623	16.21083	21.77051	1.7	
6	20.41105	0.61	0.123382	1.159922	0.576092	0.03	
7	20.34487	2.06	0.106236	6.34044	2.241547	0.16	
8	14.82654	109.71	1.128944	38.06931	22.12634	1.94	
9	14.71381	111.39	1.507386	36.15657	20.05863	2.03	
10	14.71018	111.51	1.763896	35.34861	19.97991	2.05	
11	14.71015	111.54	1.459364	32.52117	20.62346	1.97	
12	14.71367	111.36	1.644026	33.72047	20.5104	1.96	
13	14.80243	102.86	1.331907	32.50413	13.46263	1.94	
14	14.71993	110.98	1.567519	36.31979	19.81926	1.96	
15	14.73624	110.74	2.480559	40.96688	19.04234	2.06	
16	14.72805	110.66	2.240572	30.85259	20.39231	1.89	
17	14.70941	110.52	1.866288	33.67885	20.02369	1.92	
18	14.73092	110.52	1.805335	38.00265	18.97112	1.96	
19	14.75663	110.03	2.047301	35.40443	19.69875	1.87	
20	14.84178	101.59	2.049316	36.85976	12.09758	1.88	
21	14.75297	109.86	1.968461	36.11441	19.25206	1.85	
22	14.7661	112.41	1.379094	32.8563	23.68671	1.71	
23	14.80523	110.1	1.033489	37.62001	21.24636	1.74	
24	14.83947	110.37	0.817626	34.80798	22.61128	1.54	
25	14.84403	110.2	0.720474	29.24518	23.23533	1.44	
26	14.85024	110.08	0.683683	27.0909	23.49938	1.37	
27	14.91159	101.76	0.541187	23.93668	16.96883	1.42	
28	14.80334	109.71	0.761616	39.19475	20.0849	1.75	

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หมายเหตุ 06-07/02/65 00:00 - 24:00 GTG.12 shutdown for plan schedule outage

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน มีนาคม 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#12							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO2 @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.68483	116.97	1.128053	47.03813	21.97782	2.16	
2	14.68141	117.32	1.404544	36.53576	22.99283	1.96	
3	14.65711	117.91	1.413036	28.87206	25.23058	1.79	
4	14.62607	118.08	1.352241	28.87229	26.21127	1.75	
5	14.60622	118.95	1.516975	37.39199	27.1453	1.89	
6	14.49893	126.64	1.601727	38.70837	35.0393	1.93	
7	14.64367	117.52	1.372555	35.02594	25.10999	1.85	
8	14.66666	117.55	1.649239	25.1143	25.64639	1.67	
9	14.64405	117.5	1.068357	24.53978	26.10368	1.56	
10	14.61338	117.27	1.396938	25.80182	26.88236	1.52	
11	14.6291	117.47	1.411237	23.64259	26.12242	1.45	
12	14.6437	117.63	1.407463	28.23291	24.60307	1.51	
13	14.62685	116.6	1.346825	40.11921	24.71005	1.72	
14	14.61837	117.21	1.415892	38.48272	24.45408	1.69	
15	14.62976	116.8	1.503757	45.2238	24.04225	1.73	
16	14.63949	116.81	1.511716	34.06109	24.52669	1.73	
17	14.63831	116.52	1.380423	31.79044	25.04024	1.66	
18	14.6338	116.78	1.629927	33.54035	24.78026	1.94	
19	14.65612	116.97	1.336625	26.90172	25.45561	2.34	
20	14.38195	136.16	1.789052	40.53837	41.33762	2.47	
21	14.43984	133.34	2.412549	49.8856	37.98002	2.44	
22	14.6375	116.63	1.792704	22.83042	25.99179	2.28	
23	14.6484	116.93	1.88647	22.68553	25.25015	2.2	
24	14.63762	116.86	2.129456	21.80906	25.61887	2.17	
25	14.62928	116.79	1.965814	24.84574	25.19109	2.17	
26	14.64323	117.01	1.71845	24.46916	24.63251	2.09	
27	19.6845	12.89	0.939812	17.71922	4.565486	0.43	
28	14.66648	117.09	1.585105	47.33861	24.37648	2.58	
29	14.68521	116.8	1.515369	59.70649	23.23389	2.81	
30	14.69166	116.74	1.432491	52.215	23.4985	2.67	
31	14.69276	116.82	1.266707	54.03839	23.58088	2.69	

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หมายเหตุ 27/03/65 GTG12 shutdown Bore scope inspection and
repair HP.12 flow steam live clogging

โรงไฟฟ้าคลองหลวง
บริษัท คลองหลวง ยูทิลิตี้ จำกัด
ประจำเดือน เมษายน 2565

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#12							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO2 @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.6759	117.88	1.179741	46.52581	24.73612	2.56	
2	14.74048	118.77	1.141523	35.99757	28.78274	2.25	
3	14.87232	105.35	1.336485	30.37118	19.16366	1.91	
4	14.73199	119.09	0.972554	39.61908	29.39247	2.02	
5	14.71585	119.35	0.805066	44.32817	28.20615	2.07	
6	14.69704	118.81	0.757661	44.13735	27.36016	1.62	
7	14.68801	119.01	0.77097	41.62256	27.49788	1.57	
8	14.70273	119.31	0.652259	30.91136	29.57118	1.66	
9	14.69371	119.19	0.652419	37.30563	28.56936	1.97	
10	14.78774	105.44	0.805669	37.9333	15.67877	1.97	
11	14.62007	118.89	1.452745	45.08593	25.51033	2.06	
12	14.74313	105.04	1.40143	55.48529	13.34815	2.73	
13	14.75945	104.98	1.250887	36.07217	15.21461	3.07	
14	14.76573	105.2	1.180844	48.64383	14.36135	3.31	
15	14.76254	106.81	1.120232	65.54098	14.00896	3.14	
16	14.77023	104.93	1.139225	71.41783	12.27447	3.01	
17	14.76552	105.54	1.350128	52.44206	12.88423	3.47	
18	14.63311	119	1.94443	44.12286	24.49741	3.33	
19	14.64338	118.88	1.971082	46.93818	23.98612	3.33	
20	14.64197	119.18	1.337029	46.88799	23.69125	3.32	
21	14.63105	118.84	1.527328	34.53462	25.25721	3.11	
22	14.62206	118.83	1.452238	27.96709	26.77151	2.96	
23	14.61371	118.76	1.451427	23.69598	27.32023	2.84	
24	14.75861	104.56	1.408015	24.18034	15.53885	2.86	
25	14.61891	118.13	1.538031	32.99916	26.5122	2.91	
26	14.62085	117.85	1.795896	25.72489	27.42842	2.82	
27	14.6294	118.07	1.365358	20.44116	27.36015	2.72	
28	14.6125	117.94	1.826777	32.13581	27.31762	2.88	
29	14.63689	118.16	2.817846	22.29283	26.85877	2.75	
30	14.62916	117.8	1.406141	40.37981	24.05123	2.93	

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หมายเหตุ

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#12							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO2 @7%O ₂ (ppm) < 10 ppm.	Remark
1	14.75	105.48	1.70	37.16	14.90	3.02	
2	14.78	105.64	1.52	42.91	14.78	3.09	
3	14.70	120.05	1.27	47.85	28.84	2.78	
4	14.70	120.49	1.21	38.28	29.17	2.68	
5	14.66	120.38	1.06	44.72	26.82	2.95	
6	14.62	120.13	1.34	30.11	27.98	2.83	
7	14.61	120.49	1.75	20.59	28.94	2.73	
8	14.76	105.14	1.69	20.66	16.38	2.75	
9	14.62	119.21	2.32	23.69	26.93	2.71	
10	14.65	118.44	2.13	29.05	27.12	2.77	
11	14.65	118.45	2.02	25.31	27.46	2.77	
12	14.64	118.53	2.09	22.75	26.22	2.72	
13	14.64	118.76	1.58	21.98	26.60	2.71	
14	14.64	118.97	1.47	20.80	26.17	2.66	
15	14.77	104.08	1.54	23.48	15.33	2.7	
16	14.79	104.00	1.68	21.59	15.07	2.68	
17	14.67	118.56	2.08	22.14	25.88	2.66	
18	14.63	116.98	2.79	20.73	29.02	2.45	
19	14.62	116.82	1.79	21.34	27.82	2.33	
20	14.64	117.64	1.73	20.75	27.79	2.29	
21	14.64	118.19	1.80	19.60	27.48	2.37	
22	20.39	1.09	0.89	1.43	0.74	0.05	
23	20.46	0.20	0.59	0.00	0.00	0	
24	20.47	0.03	0.38	0.00	0.00	0	
25	20.47	0.18	1.07	0.00	0.00	0	
26	20.47	0.04	1.55	0.00	0.00	0	
27	20.46	0.18	0.61	0.00	0.00	0	
28	20.47	0.03	0.72	0.00	0.00	0	
29	20.47	0.18	0.50	0.00	0.00	0	
30	20.47	0.03	0.54	0.00	0.00	0	
31	20.47	0.18	1.17	0.00	0.00	0	

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หมายเหตุ

* วันที่ 22-31 พฤษภาคม 2565 GTG-12 Shut down for Bore scope LP.Turbine

and found the trouble at LP.Turbine.stage2. Now waiting for repair.

ตารางสรุปคุณภาพอากาศจากปล่อง HRSG#12							
Date	O ₂ (%Vol.)	FLOW (kg/s)	TSP (mg/M ³) < 20 mg/M3	CO @7%O ₂ (mg/l) < 690 mg/l	Nox @7%O ₂ (ppm) < 70 ppm.	SO2 @7%O ₂ (ppm) < 10 ppm.	Remark
1	20.47028	0.04	0	0	0	0	
2	20.47167	0.18	0	0	0	0	
3	20.46887	0.04	0	0	0	0	
4	20.47503	0.19	0	0	0	0	
5	20.47404	0.04	0	0	0	0	
6	20.47091	0.19	0	0	0	0	
7	20.47171	0.03	0	0	0	0	
8	20.47564	0.19	0	0	0	0	
9	20.47434	0.03	0	0	0	0	
10	20.47483	0.2	0	0	0	0	
11	20.47425	0.03	0	0	0	0	
12	20.47703	0.19	0	0	0	0	
13	20.47675	0.04	0	0	0	0	
14	20.47576	0.18	0	0	0	0	
15	20.47467	0.04	0	0	0	0	
16	20.47458	0.19	0	0	0	0	
17	17.23094	70.05	1.84987	28.5562	27.01213	4.25	
18	16.04323	93.38	1.807645	23.78541	25.86591	5.18	
19	14.82246	104.33	1.609065	17.40601	16.59865	3.93	
20	14.69499	117.97	1.666268	18.88032	25.92486	1.67	
21	14.65998	117.14	2.115369	25.25526	26.12222	1.73	
22	14.69693	117.19	1.449643	19.32222	25.99622	1.59	
23	14.68624	117.31	1.387434	22.59886	25.52582	1.57	
24	14.67783	116.98	2.035275	25.71438	25.97104	1.62	
25	14.65621	116.63	2.714034	24.79022	27.69821	1.63	
26	14.65487	119.69	1.569918	17.68052	27.4453	1.51	
27	14.67021	117.61	2.152348	24.31391	25.62859	1.56	
28	14.5012	133.86	2.21119	17.99801	35.38162	1.48	
29	14.65346	118.81	1.725151	25.90016	25.93591	1.58	
30	14.60448	122.68	2.100823	27.41842	29.56181	1.48	
31	20.47	0.18	1.17	0.00	0.00	0	

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หมายเหตุ

* วันที่ 22 พฤษภาคม - 16 มิถุนายน 2565 GTG-12 Shut down for Bore scope LP.Turbine
and found trouble at LP.Turbine.stage2. Start up วันที่ 16 มิถุนายน 2565 เวลา 03:00

ภาคผนวก 3ข

เอกสารขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ที่ได้รับการขึ้นทะเบียน จากกรมโรงงานอุตสาหกรรม
ของบริษัท เอ็นไวรอนเมนต์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด



ที่ อก ๐๓๑๐(๑)/ ๗ ๓ ๒๕

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๕๐๐

๒ ๙ กรกฎาคม ๒๕๖๕

เรื่อง ต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

เรียน กรรมการผู้ตรวจการ บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงบุคลากร และชนิดสารเคมีของห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๓๐ มีนาคม ๒๕๖๔

สิ่งที่ส่งมาด้วย ๑. รายชื่อผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๑ แผ่น

๒. รายชื่อเจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๒ แผ่น

๓. ขอบข่ายสารเคมีที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๑๒ แผ่น

ตามหนังสือที่อ้างถึง บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด ขอต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๐๙๙ สถานที่ตั้งเลขที่ ๒๘/๑๙๔ หมู่ที่ ๒ ซอยอินนิเขต ๑ ถนนงามวงศ์วาน แขวงทุ่งสองห้อง เขตหลักสี่ กรุงเทพมหานคร ต่อกรมโรงงานอุตสาหกรรม นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ให้บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด ต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน โดยยังคงประกอบดังนี้

ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๑๖ ราย ตามสิ่งที่ส่งมาด้วย ๑

ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๔๙ ราย ตามสิ่งที่ส่งมาด้วย ๒

ค. ขอบข่ายสารเคมีที่ได้รับขึ้นทะเบียนเป็นวิเคราะห์ไม่เสีย จำนวน ๒๗ รายการ นำได้ดิน จำนวน ๔๘ รายการ อากาศเสีย จำนวน ๒๖ รายการ สิ่งปฏิกูลหรือวัสดุที่ไม่ได้เสีย จำนวน ๒๐ รายการ และ ดิน จำนวน ๔๖ รายการ รวมทั้งสิ้นจำนวน ๑๔๗ รายการ ตามสิ่งที่ส่งมาด้วย ๓

หนังสือฉบับนี้จะหมดอายุในวันที่ ๑๘ พฤษภาคม ๒๕๖๗ หากประสงค์จะต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ให้ยื่นคำขอต่ออายุพร้อมเอกสารประกอบคำขอต่อกรมโรงงานอุตสาหกรรมภายใน ๓๐ วัน ก่อนวันสิ้นสุดของหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ซึ่งคำขออายุดังกล่าวขอรับได้ที่กรมโรงงานอุตสาหกรรม

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ



กองวิจัยและเตือนภัยมลพิษโรงงาน

กลุ่มมาตรฐานวิธีการวิเคราะห์หัตถเลอบมลพิษและทะเบียนห้องปฏิบัติการ

โทร. ๐ ๒๒๐๒ ๕๐๐๖ ๐ ๒๒๐๒ ๕๑๕๖

โทรสาร ๐ ๒๓๕๔ ๓๔๑๕

เอกสารแนบท้ายหนังสือรับต่ออายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด
ที่ อก ๐๓๑๐(๑)/๗๓๒๕ ลงวันที่ ๒ ๙ กรกฎาคม ๒๕๖๕

ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์ จำนวน ๑๖ ราย



ทะเบียนเลขที่ ๖-๐๙๙-ค-๒๕๑๔

ทะเบียนเลขที่ ๖-๐๙๙-ค-๓๐๐๒

ทะเบียนเลขที่ ๖-๐๙๙-ค-๕๕๐๐

ทะเบียนเลขที่ ๖-๐๙๙-ค-๗๐๒๓

ทะเบียนเลขที่ ๖-๐๙๙-ค-๗๖๖๔

ทะเบียนเลขที่ ๖-๐๙๙-ค-๗๖๖๕

ทะเบียนเลขที่ ๖-๐๙๙-ค-๗๖๖๖

ทะเบียนเลขที่ ๖-๐๙๙-ค-๗๖๖๗

ทะเบียนเลขที่ ๖-๐๙๙-ค-๘๘๐๑

ทะเบียนเลขที่ ๖-๐๙๙-ค-๘๘๐๒

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ทะเบียนเลขที่ ๖-๐๙๙-ค-๘๘๐๕

ทะเบียนเลขที่ ๖-๐๙๙-ค-๘๘๐๖

ทะเบียนเลขที่ ๖-๐๙๙-ค-๘๘๐๗

ทะเบียนเลขที่ ๖-๐๙๙-ค-๘๘๐๘

เอกสารแนบท้ายหนังสือรับต่ออายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
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ที่ อก ๐๓๑๐(๑)/ เลขทะเบียน ๖-๐๙๙

ลงวันที่

ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์ จำนวน ๙๙ ราย



ทะเบียนเลขที่ ๖-๐๙๙-จ-๘๕๐๒
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๓๖) นายรอมิณี...



ทะเบียนเลขที่ ๖-๐๙๙-จ-๙๑๓๕
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ภาคผนวก 3ค

เอกสารการสอบเทียบเครื่องมือตรวจวัดคุณภาพสิ่งแวดล้อม

TSP HIGH VOLUME AIR SAMPLER CALIBRATION REPORT

Sampler Location		Date	May 17, 2022
Tritonairamada		Start Time	2:18 PM
Sampler Number		Stop Time	2:18 PM
Transfer Standard Type		Office	
Instrument Model		TE-5025A	
Calibrator Model		2716	
Calibrator Serial Number		2716	
Recorder Serial Number		102952701	
Calibrated By		Mr. Nungnong Toja	

Plate No.	(Delta H)		(A)	(X)	(Y)	(1)	(2)	Temperature (°K = °C+273) (°F = °C+9/5+32)	Barometric Pressure (mmHg)	Start Meter	Stop Meter			
	Positive	Negative												
5	1.0	1.0	2.0	0.7258	27.71	28.0	303.0	757.0						
7	2.0	2.0	4.0	1.09751	30.59	40.0	303.0	757.0						
10	3.1	3.1	6.2	2.46447	45.53	48.0	303.0	757.0						
13	4.1	4.1	8.2	2.83423	51.47	52.0	303.0	757.0						
16	5.1	5.1	11.8	3.39982	59.39	60.0	303.0	757.0						
Linear Regression Y ON X: Y=mx + b							Average							
1	Slope (m)		1.81214 Linear Equation				r ²		0.991922		Interlocking	760.0		
2	Intercept (b)		0.03597 Set Point Flow Rate (X) (m ³ /min)				1.133		r		0.9955528	298.0		
3	Correlation Coefficient (r)		0.99999 Final Set Flow Rate = (1)				0		(Pa(Psdy)/YsdyTa)		0.97861612			
Result											C=(Pa(Psdy)/YsdyTa)*0.5		0.989755586	

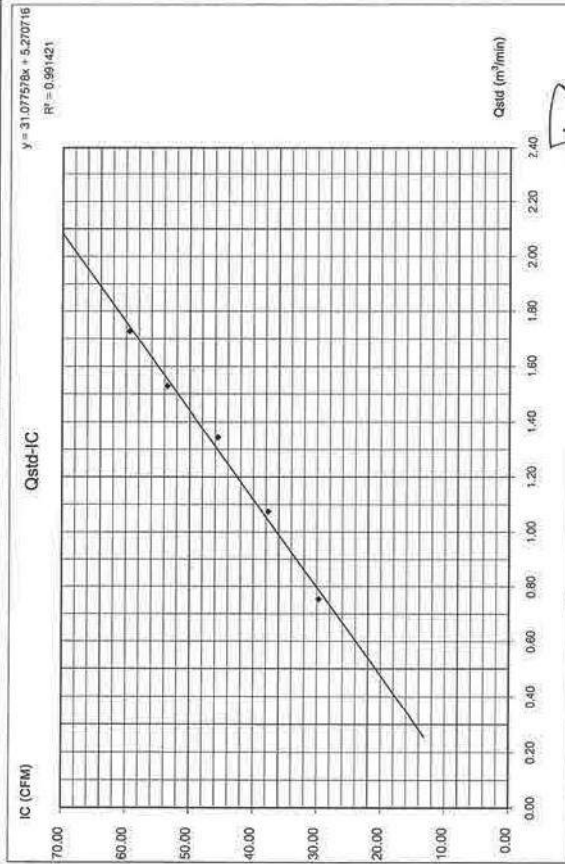
TSP HIGH VOLUME AIR SAMPLER CALIBRATION REPORT

Sampler Location		Date	
Sungkh		Start Time	May 17, 2022
Sampler Number		Stop Time	10:10 AM
Transfer Standard Type		Orifice	
Instrument Model		TE-5025A	
Calibrator Model		TE-5025A	
Meter Serial Number		2716	
Recorder Serial Number		7303	
Recorder Serial Number		Calibrated By	Mr. Narongrit Taja

Plate No.	(Delta H)		(A)	(X)	(t)	(Y)	Temperature (°K = °C+273)	Barometric Pressure (mmHg)	Start Meter	Stop Meter	
	Positive	Negative									
5	1.0	1.0	2.0	1.40260	30.0	29.75	303.0	760.0			
7	2.0	2.0	4.0	1.90343	38.0	37.69	303.0	760.0			
10	3.1	3.1	6.2	2.46935	46.0	45.02	303.0	760.0			
13	4.0	4.0	8.0	2.80099	54.0	53.55	303.0	760.0			
18	5.1	5.1	10.2	3.16728	60.0	59.50	303.0	760.0			
Linear Regression Y=O.X+ b											
1	Slope (m)		1.8121		Linear Equation		Average		303.0		
2	Intercept (b)		0.03597		Set Point Flow Rate (X) (m³/min)		1.133		0.9957013		
3	Correlation Coefficient (r)		0.99999		Final Set Flow Rate = (t)		0		0.99174853		
Result											
C=(Pa-PaStd)/Ta*0.5											

COMMENT

Andersen Instruments, Inc.



Checked By

(Mr. Prayin Detkla)

Approved By

(Mr. Panupon Podang)

Checked By

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(Mr. Prayin Detkla)

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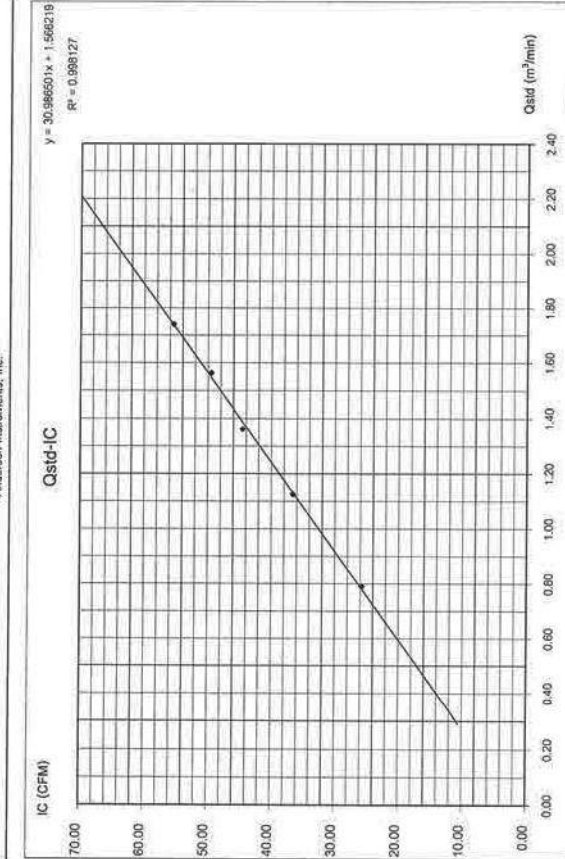
PM10 HIGH VOLUME AIR SAMPLER CALIBRATION REPORT

Sampler Location		Date	
Sungkh		Start Time	May 17, 2022
Sampler Number		Stop Time	10:10 AM
Transfer Standard Type		Orifice	
Instrument Model		TE-5025A	
Calibrator Model		TE-5025A	
Meter Serial Number		2716	
Recorder Serial Number		7303	
Recorder Serial Number		Calibrated By	Mr. Narongrit Taja

Plate No.	(Delta H)		(A)	(X)	(t)	(Y)	Temperature	Barometric Pressure	Start Meter	Stop Meter	
	Positive	Negative									
5	1.1	1.1	2.2	0.76028	70.0	25.73	303.0	757.0			
7	2.2	2.2	4.4	2.07013	37.0	36.62	303.0	757.0			
10	3.2	3.2	6.4	2.9091	45.0	44.54	303.0	757.0			
13	4.2	4.2	8.4	2.86658	50.0	49.49	303.0	757.0			
18	5.2	5.2	10.4	3.19187	56.0	55.43	303.0	757.0			
Linear Regression Y=Ch X; Y=ak X + b											
1	Slope (m)		1.8121		Linear Equation		Average		303.0		
2	Intercept (b)		0.03597		Set Point Flow Rate (X) (m³/min)		1.133		0.9990331		
3	Correlation Coefficient (r)		0.99999		Final Set Flow Rate = (t)		0		0.97961812		
Result											
C=(Pa-PaStd)/(Tad/Ta)*0.5											

COMMENT

Andersen Instruments, Inc.



Checked By

(Mr. Prayin Detkla)

Approved By

(Mr. Panupon Podang)

Checked By

(Mr. Panupon Podang)

Checked By

(Mr. Prayin Detkla)

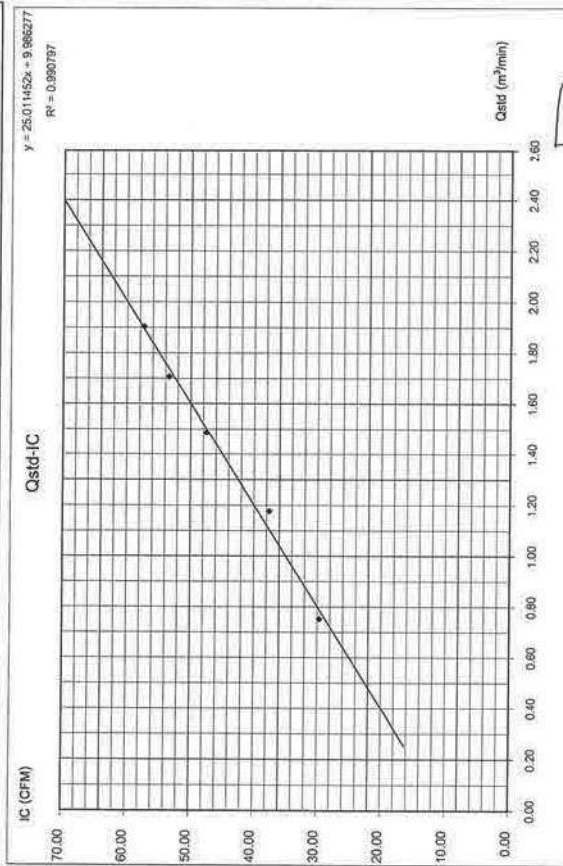
TSP HIGH VOLUME AIR SAMPLER CALIBRATION REPORT

Sampler Location	Tha-Nakorn	Date	May 17, 2022
Sampler Number	TSP No. A1	Start Time	12:30 PM
Instrument Model	HVQI-IBCE	Stop Time	12:40 PM
Motor Serial Number	201504	Calibrated By	Mr. Narongrit Toja
Recorder Serial Number	31604		

Pipe No.	(Delta H)	(A)	(X)	(t)	(Y)	Temperature	Barometric Pressure	Start Meter	Stop Meter
						(°K = °C+273)	(mmHg)		
5	1.0	1.0	2.0	1.3073	29.69	303.0	757.0		
7	2.4	3.4	4.8	2.10445	37.61	303.0	757.0		
10	3.8	3.8	7.6	2.72657	47.51	303.0	757.0		
13	5.0	5.0	10.0	3.12868	53.45	303.0	757.0		
18	6.2	6.2	12.4	3.48529	57.41	303.0	757.0		
Linear Regression Y ON X: Y = ax + b									
1	Slope (m)	1.81211	Linear Equation		Average	303.0	757.0		
2	Intercept (b)	0.05597	Sat Point Flow Rate (X) (m³/min)	1.133	r				
3	Correlation Coefficient (r)	0.99999	Final Set Flow Rate = (1)	0	(P/Pstd)T/Tstd				
Result									

COMMENT

Andersen Instruments, Inc.



Checked By

envi research
Approved By
ENVIRONMENTAL RESEARCH & TECHNOLOGY CO., LTD.

(Mr. Narongrit Toja)
Environmental Scientist

FAB-028 Rev. 02, June 3, 2019

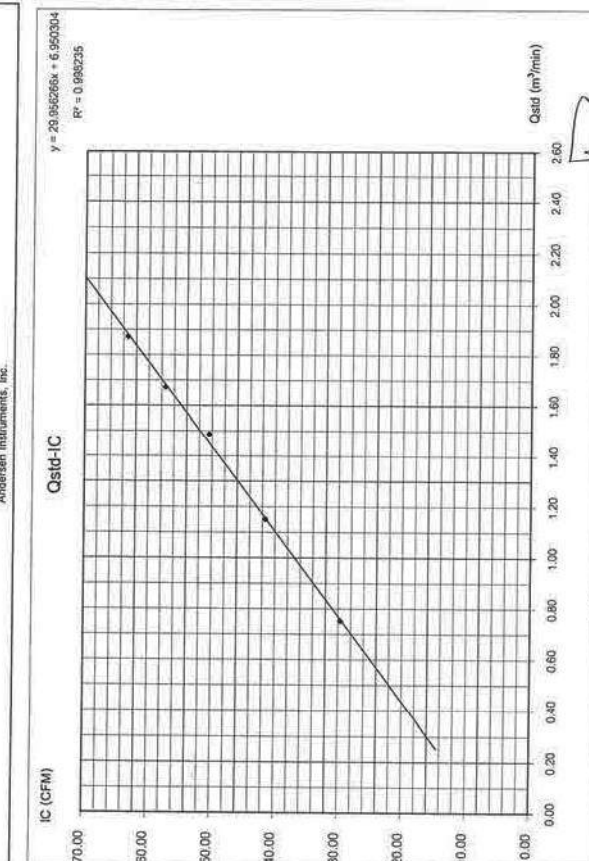
PM10 HIGH VOLUME AIR SAMPLER CALIBRATION REPORT

Sampler Location	Tha-Nakorn	Date	May 17, 2022
Sampler Number	PM10 No. 21	Start Time	12:30 PM
Instrument Model	HVQI-IBMBE	Stop Time	12:40 PM
Motor Serial Number	2132	Calibrated By	Mr. Narongrit Toja
Recorder Serial Number	2382		

Pipe No.	(Delta H)	(A)	(X)	(t)	(Y)	Temperature	Barometric Pressure	Start Meter	Stop Meter
						(°K = °C+273)	(mmHg)		
5	1.0	1.0	2.0	1.3073	29.69	303.0	757.0		
7	2.4	3.4	4.8	2.10445	37.61	303.0	757.0		
10	3.8	3.8	7.6	2.72657	47.51	303.0	757.0		
13	5.0	5.0	10.0	3.12868	53.45	303.0	757.0		
18	6.2	6.2	12.4	3.48529	57.41	303.0	757.0		
Linear Regression Y ON X: Y = ax + b									
1	Slope (m)	1.81211	Linear Equation		Average	303.0	757.0		
2	Intercept (b)	0.05597	Sat Point Flow Rate (X) (m³/min)	1.133	r				
3	Correlation Coefficient (r)	0.99999	Final Set Flow Rate = (1)	0	(P/Pstd)T/Tstd				
Result									

COMMENT

Andersen Instruments, Inc.



Checked By

envi research
Approved By
ENVIRONMENTAL RESEARCH & TECHNOLOGY CO., LTD.

(Mr. Narongrit Toja)
Environmental Scientist

FAB-028 Rev. 02, June 3, 2019

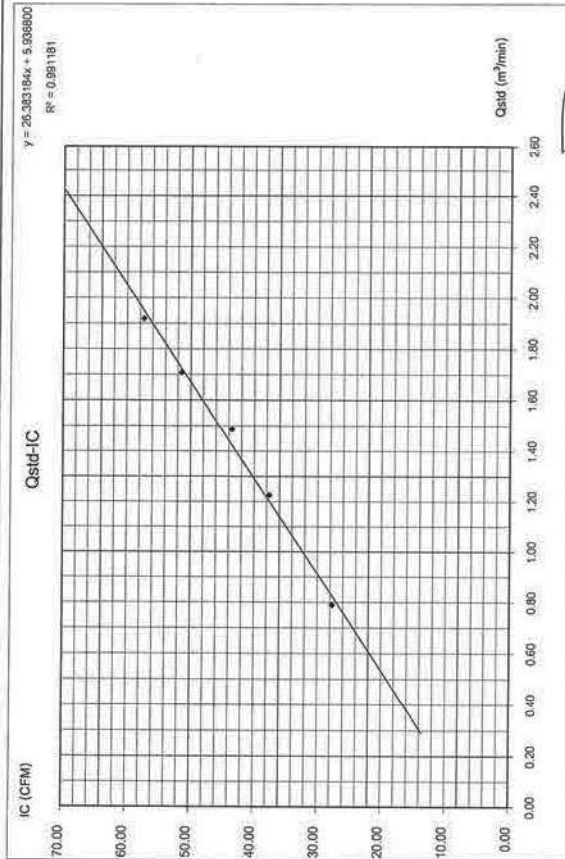
TSP HIGH VOLUME AIR SAMPLER CALIBRATION REPORT

Sampler Location		Date	
Sampler Number	TSP No.328	Start Time	May 17, 2022
Instrument Model	HYVOL-BBQBE	Stop Time	11:22 AM
Motor Serial Number	2014-02	Office	TE-5025A
Recorder Serial Number	27135	Calibrated By	Mr Naungmyi Taya

Plate No.	(Delta H)		(A)	(X)	(Y)	(I)	IC = (I(P _{atm} T _{ref}) ^{1/2} / (ΔH(P _{std} T _{atm}) ^{1/2})) ^{1/2}	Temperature (°K = °C+273)	Barometric Pressure (mmHg)	Start Meter	Stop Meter	
	Positive	Negative										
5	1.1	1.1	1.48804	0.70028	27.71	28.0		303.0	757.0			
7	2.6	2.6	2.25699	1.22965	37.61	38.0		303.0	757.0			
10	3.8	3.8	2.72657	1.48809	43.55	44.0		303.0	757.0			
13	5.0	5.0	3.12688	1.70735	51.47	52.0		303.0	757.0			
18	6.3	6.3	3.51326	1.91893	57.41	58.0		303.0	757.0			
Linear Regression Y ON X: Y= mX + b												
1	Slope (m)		1.81211		Linear Equation		Average		r ²		0.991181	
2	Intercept (b)		0.03597		Soil Point Flow Rate (X) (m ³ /min)		1.133		r		0.9955907	
3	Correlation Coefficient (r)		0.99999		Final Set Flow Rate = (I)		0		(P _{atm} P _{std} /T _{std} T _a)		0.97961812	
Result											C = (P _{atm} P _{std} /T _{std} T _a) ^{0.5}	0.989755585

COMMENT

Andersen Instruments, Inc.



Checked By (Mr. Prayuth Detkha) Technician
Approved By (Mr. Panupon Podang) Environmental Scientist
FAB-028 Rev. (01, June 1, 2019)

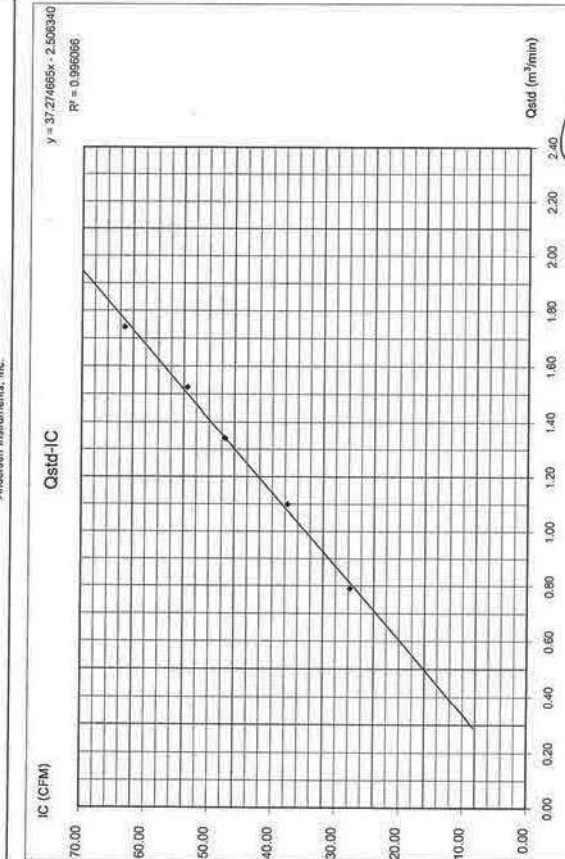
PM10 HIGH VOLUME AIR SAMPLER CALIBRATION REPORT

Sampler Location		Date	
Sampler Number	PM-10 No.27	Start Time	May 17, 2022
Instrument Model	HYVOL-BMBBE	Stop Time	11:32 AM
Motor Serial Number	2209	Office	TE-5025A
Recorder Serial Number	2612	Calibrated By	Mr Naungmyi Taya

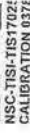
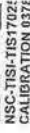
Plate No.	(Delta H)		(A)	(X)	(Y)	(I)	IC = $(\frac{P_{atm} T_{ref}}{P_{ref} T_{atm}})^{1.5}$	Temperature [°K = (°C+273)]	Barometric Pressure (mmHg)	Start Meter	Stop Meter									
	Positive	Negative																		
5	1.1	3.1	2.2	0.70028	27.71	28.0	27.71	303.0	757.0											
7	2.1	2.1	4.2	2.02840	37.61	38.0	37.61	303.0	757.0											
10	3.1	3.1	6.2	2.48447	47.51	48.0	47.51	303.0	757.0											
13	4.0	4.0	8.0	2.70945	53.45	54.0	53.45	303.0	757.0											
18	5.2	5.2	10.4	3.19187	63.34	64.0	63.34	303.0	757.0											
Linear Regression Y ON X: Y = mX + b																				
1	Slope (m)		1.81211		Linear Equation		Average		r^2		0.9960695									
2	Intercept (b)		0.03597		Soil Point Flow Rate (X) (m ³ /min)		1.133		r		0.9960311									
3	Correlation Coefficient (r)		0.99999		Final Set Flow Rate = (I)		0		$(\frac{P_{atm} P_{std}}{T_{std} T_a})$		0.37951612									
Result																				
C = $(\frac{P_{atm} P_{std}}{T_{std} T_a})^{0.5}$ 0.989755585																				

COMMENT

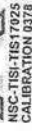
Andersen Instruments, Inc.



Checked By (Mr. Prayuth Detkha) Technician
Approved By (Mr. Panupon Podang) Environmental Scientist
FAB-028 Rev. (01, June 1, 2019)



the calibration center, Play Solution Technology Co., Ltd



F-039



PLAY SOLUTION TECHNOLOGY COMPANY LIMITED
179/75 Nawong Pracha Pattana Road, Sikan, Donmuang, Bangkok 10210
Tel: +66 2 011 0505, Fax: +66 2 010 7700
www.playstec.com



PLAY SOLUTION

CERTIFICATE OF CALIBRATION

Result of Calibration

Certificate no. PST-0001-22
Page no. 3 of 3

3. Eccentricity

Test load at least 1/3 of the maximum capacity, typically placed between 1/2 and 1/3 of the distance from the centre of the load receptor to the edge.



Weighing Range 1

Test Load : 100 (g)

Position	Indication (g)
1	100.0001
2	100.0001
3	100.0002
4	100.0001
5	100.0002
Max.Deviation	0.0001

Weighing Range 2

Test Load : (g)

Position	Indication (g)
1	
2	
3	
4	
5	
Max.Deviation	

Standard method

The calibration was performed by using calibration laboratory's in-house calibration method: CP-M-001 based on "UKAS LAB 14 : Calibration of weighing machine" : edition 6 | October 2019

Reference standards instrument

Instrument	OIML Class	S/N	Certificate No.	Due Date
Standard Weight Set	E2	4000021952	MM-0183-20	December 8, 2022
Standard Weight Set	-	-	-	-
Standard Weight Set	-	-	-	-
Standard Weight Set	-	-	-	-

Measurement Uncertainty

The given measurement uncertainty is the standard of the measurement multiplied by an extension factor k which corresponds to a confidence level of about 95% for a normal distribution. The standard uncertainty was calculated according to M3003

Traceability :

- The measurement is traceable to national standard, which realize the physical unit of measurement (SI)
- National Institute of Metrology (Thailand) through Calibration Laboratory

END OF REPORT

RECALIBRATION
DUE DATE:
February 8, 2023



Certificate of Calibration

Calibration Certification Information

Cal. Date: February 8, 2022
Operator: Jim Tisch
Calibration Model #: TE-5025A
Rootsmeier S/N: 438320
Pa: 750.1 mm Hg
Ta: 294 °K

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.3090	3.2	2.00
2	3	4	1	0.9160	6.4	4.00
3	5	6	1	0.8140	7.9	5.00
4	7	8	1	0.7760	8.8	5.50
5	9	10	1	0.6380	12.8	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (y-axis)
0.9961	0.7609	1.4145	0.9957	0.7607	0.8854
0.9918	1.0828	2.0004	0.9915	1.0824	1.2521
0.9898	1.2160	2.2365	0.9895	1.2156	1.3999
0.9886	1.2740	2.3456	0.9883	1.2735	1.4683
0.9833	1.5412	2.8289	0.9829	1.5407	1.7708
QSTD	m= 1.81211 b= 0.03597 r= 0.99999		QA	m= 1.13472 b= 0.02252 r= 0.99999	

Calculations

Vstd= $\Delta Vol((Pa-\Delta P)/Pstd)(Tstd/Ta)$	Va= $\Delta Vol((Pa-\Delta P)/Pa)$
Qstd= Vstd/ΔTime	Qa= Va/ΔTime
For subsequent flow rate calculations:	
Qstd= $1/m \left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right)^{-b}$	Qa= $1/m \left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right)^{-b}$

Standard Conditions

Tstd: 298.15 °K
Pstd: 760 mm Hg
Key
ΔH: calibrator manometer reading (in H2O)
ΔP: rootsmeier manometer reading (mm Hg)
Ta: actual absolute temperature (°K)
Pa: actual barometric pressure (mm Hg)
b: intercept
m: slope

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to S1, Appendix 8 to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc.
145 South Miami Avenue
Village of Cleves, OH 45002

www.tisch-env.co
TOLL FREE: (877)263-76:
FAX: (513)467-90

Calibration Data of NOx Analyzer

Analyzer Performance Test

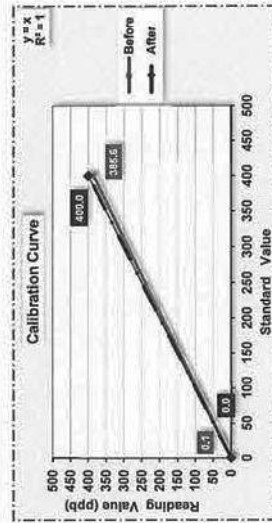
Equipment	Gas Analyzer (NOx)	Customer Name	TILT Consultants
Manufacture	HORIBA	Location	Envl Research
Model	APNA-370	Scientist	Parupou
Serial No.	XPWS7U3L	Calibration Date	May 13, 2022
Analyzer Unit	gab	Time	10:36 AM

Instruments for Calibration










Instruments	Manufacture	Model	Serial Number
Zero Air Supply	Thermo Env.	111	0700419523
Dynamic Dilution Calibrator	Tenabrite	300T	0172
Standard Gas Components	CO = 4.516 ppm NO = 55.3 ppm SO ₂ = 54.9 ppm		
Cylinder No : EB0123013			
Expiry Date : Oct 22, 2027			

Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value						% Abs Error
		NO _x (ppb)		NO (ppb)		NO ₂ (ppb)		
		Before	After	Before	After	Before	After	
Zero	0	-9.3	0.0	0.1	0.0	-5.4	0.0	-
Span	400	390.8	400.0	385.6	400.0	5.2	0.0	3.6

STATUS TEST AND VALIDATION OF NO_x ANALYZER MODEL APNA-370

Parameter	Unit	Observed Value		Nominal Range
		Before Adjust	After Adjust	
Range	ppb	500	500	0 - 500 Standard
Signal NO	mV	1.6	1.8	Voltage of the measured NO value
Signal NOx	mV	11.0	11.0	Voltage of the measured NOx value
Detector	°C	40.2	40.2	43 °C ± 5 °C
Ambient	kPa	100.6	100.6	Current atmospheric pressure
DC 24V	V	23.6	23.6	24V ±0.5
DC 5V	V	5.0	5.0	5V ±0.5
NO Slope	-	0.78120	0.80900	0.50000 - 2.00000
NOx Slope	-	0.81540	0.79770	0.50000 - 2.00000

Calibrate By :  (MR.PANUPON PODANG)  Envis Research  Envis Research  Envis Research  Envis Research  Envis Research  Envis Research  Envis Research  Envis Research

(NS.SUTATIP M-NOI) May 13, 2022
 May 13, 2022

Page 1

Calibration Data of NOx Analyzer

Analyzer Performance Test

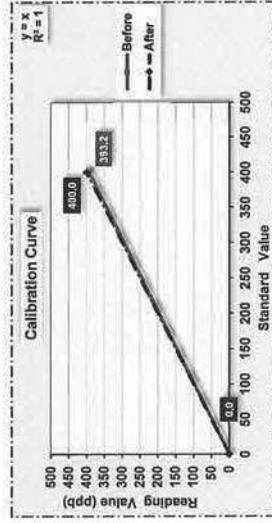
Equipment	Gas Analyzer (NOx)	Customer Name	TLT Consultants
Manufacture	HORIBA	Location	Envi Research
Model	APNA-370	Scientist	Penupun
Serial No.	FC2E28YU	Calibration Date	May 13, 2022
Analyzer Unit	ppb	Time	9:53 AM

Instruments for Calibration

Instruments	Manufacture	Model	Serial Number
Zero Air Supply	Thermo Env.	111	0700419829
Dynamic Dilution Calibrator	Tenabrite	300T	0172
Standard Gas Components	CO = 4.516 ppm NO = 55.3 ppm SO ₂ = 54.9 ppm		
Cylinder No : EBO123013			
Expiry Date : Oct 22, 2027			





Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value								% Abs Error
		NO _x (ppb)		NO (ppb)		NO ₂ (ppb)		Stability		
		Before	After	Before	After	Before	After	Before	After	
Zero	0	-3.2	0.0	-0.5	0.0	-2.7	0.0	-	-	-
Span	400	391.5	400.0	393.2	400.0	-1.7	0.0	-	-	1.7



STATUS TEST AND VALIDATION OF NOx ANALYZER MODEL APNA-370

Parameter	Unit	Observed Value		Nominal Range
		Before Adjust	After Adjust	
Range	ppb	500	500	0 - 500 Standard
Signal NO	mV	2.3	3.1	Voltage of the measured NO value
Signal NOx	mV	37.3	34.5	Voltage of the measured NOx value
Detector	°C	41.4	41.5	43 °C ± 5 °C
Ambient	kPa	100.3	100.3	Current atmospheric pressure
DC 24V	V	23.6	23.6	24V ±0.5
DC 5V	V	5.0	5.0	5V ±0.5
NO Slope	-	0.55160	0.56000	0.50000 - 2.0000
NOx Slope	-	0.53340	0.54390	0.50000 - 2.0000

Calibrate By:  (MR. PANUFON PODANG)  Checked By:  (MS. SUTATIP IM-NOI) 

May 13, 2022 May 13, 2022

Environmental Engineering Technology Co., Ltd.

Page 1

Calibration Data of NOx Analyzer

Analyzer Performance Test

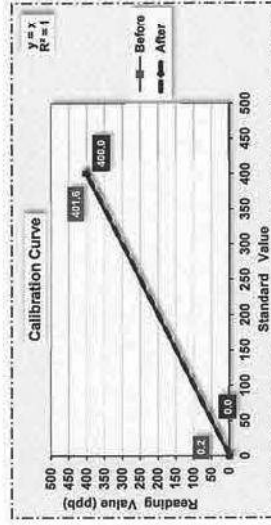
Equipment	Gas Analyzer (NOx)	Customer Name	TLT Consultants
Manufacturer	HORIBA	Location	Envl Research
Model	APNA-370	Scientist	Panupon
Serial No.	KD0VY226	Calibration Date	May 13, 2022
Analyzer Unit	ppb	Time	10:09 AM

Instruments for Calibration

Instruments	Manufacturer	Model	Serial Number
Zero Air Supply	Thermo Env.	111	0700419829
Dynamic Dilution Calibrator	Tanabyte	300T	0172
Standard Gas Components	CO = 4.516 ppm		
	NO = 55.3 ppm		
	SO ₂ = 54.9 ppm		
Cylinder No : EB0123013			
Expire Date : Oct 22, 2027			

Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value				% Abs Error
		NO _x (ppb)	NO (ppb)	NO ₂ (ppb)	Stability	
Zero	0	Before	After	Before	After	
Span	400	394.6	400.0	401.6	400.0	-0.4



STATUS TEST AND VALIDATION OF NOx ANALYZER MODEL APNA-370

Parameter	Unit	Observed Value	Nominal Range
Range	ppb	Before Adjust After Adjust	0 - 500 Standard
Signal NO	mV	1.9	1.2
Signal NOx	mV	12.6	10.8
Detector	°C	41.2	41.3
Ambient	kPa	100.7	100.7
DC 24V	V	23.7	23.7
DC 5V	V	5.0	5V ±0.5
NO Slope	-	1.05900	0.50000 - 2.0000
NOx Slope	-	1.05030	0.50000 - 2.0000

Calibrate By : (MR.PANUPON PODANG)
May 13, 2022

Checked By : (MS.SUTATIP IM-NOI)
May 13, 2022

Calibration Data of NOx Analyzer

Analyzer Performance Test

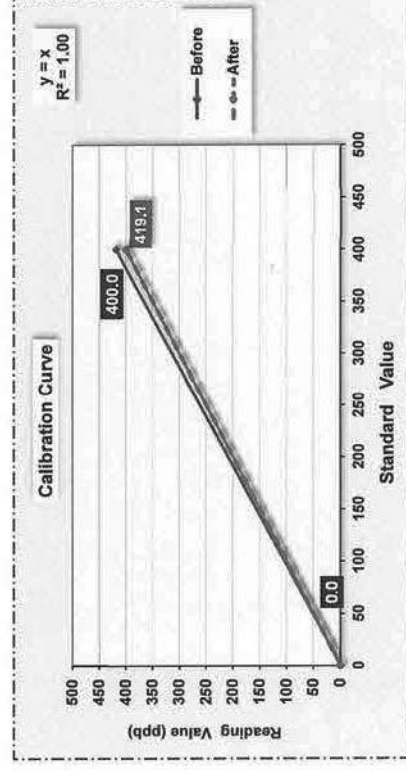
Equipment	Gas Analyzer (NOx)	Customer Name	TLT Consultants
Manufacturer	API	Location	Envl Research
Model	200A	Scientist	Panupon
Serial No.	1650	Calibration Date	May 12, 2022
Analyzer Unit	ppb	Time	10:40 AM

Instruments for Calibration

Instruments	Manufacturer	Model	Serial Number
Zero Air Supply	Thermo Env.	111	0700419829
Dynamic Dilution Calibrator	Tanabyte	300T	0172
Standard Gas Components	CO = 4.516 ppm		
	NO = 55.3 ppm		
	SO ₂ = 54.9 ppm		
Cylinder No : EB0123013			
Expire Date : Oct 22, 2027			

Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value				% Abs Error
		NO _x (ppb)	NO (ppb)	NO ₂ (ppb)	Stability	
Zero	0	Before	After	Before	After	
Span	400	-2.2	0.0	-1.2	0.0	-
		423.0	405.0	419.1	400.0	4.8



STATUS TEST AND VALIDATION OF NOx ANALYZER MODEL 200A

Parameter	Display As	Unit	Observed Value	Nominal Range
Range	RANGE	ppb	500	0 - 500 standard
Stability	STABIL	ppb	3	< 2 with zero air
Sample Flow	SAMP FL	cc/min	450	500 +/- 50
Ozone Flow	OZONE FL	cc/min	78	80 +/- 10
PMT signal	PMT	mV	135	0 to 5,000
Auto - Zero	AZERO	mV	131	-20 to 150
High Voltage Power Supply	HVPS	V	793	450 to 900
Reaction Cell Temperature	RCELL TEMP	°C	50	50 +/- 1
Box Temperature	BOX TEMP	°C	33	Ambient temp. +3/-7
PMT Temperature	PMT TEMP	°C	6	7 +/- 1
Converter Temperature	MOLY TEMP	°C	315	315 +/- 5
Reaction Cell Pressure	RCEL	In - Hg - A	10	2 to 10 (Constant)
Sample Pressure	SAMP	In - Hg - A	29	Ambient - 1 (Constant)
NO _x Slope	NO _x SLOPE	-	1.037	1.000 +/- 0.300
NO _x Offset	NO _x OFFSET	mV	0	0 +/- 20
NO Slope	NO SLOPE	-	1.037	1.000 +/- 0.300
NO Offset	NO OFFSET	mV	-1	0 +/- 20

Calibrate By :

Mr. Panupon Podang

(MR.PANUPON PODANG)

May 12, 2022

Checked By :

Ms. Sutatip In-Noi

(MS.SUTATIP IN-NOI)

May 12, 2022

Calibration Data of SO₂ Analyzer

Analyzer Performance Test

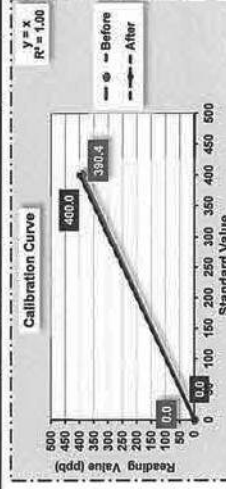
Equipment	Gas Analyzer (SO ₂)	Customer Name	TLT Consultants
Manufacturer	Horiba	Location	Envi Research
Model	APSA-370	Scientist	Panupon
Serial No.	J00DEMWB	Calibration Date	May 13, 2022
Analyzer Unit	ppb	Time	10:23 AM

Instruments for Calibration

Instruments	Manufacturer	Model	Serial Number
Zero Air Supply	Thermo Env.	300T	0700419829
Dynamic Dilution Calibrator	Tanabashi		0172
Standard Gas Components	CO = 4,516 ppm		
Cylinder No : EB0123013	NO = 55.3 ppm		
Expire Date : Oct 22, 2027	SO ₂ = 54.9 ppm		

Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value (ppb)	Stability	% Abs Error
Zero	0	0.0	Before	-
Span	400	390.4	After	2.4



STATUS TEST AND VALIDATION OF SO₂ ANALYZER MODEL APSA-370

Parameter	Unit	Observed Value	Nominal Range
Range	ppb	Before Adjust: 500, After Adjust: 500	0 - 500 Standard
Signal (SO ₂)	mV	16	Voltage of the measured SO ₂ value
LAMP	mV	218.4	200 mV - 1200 mV
CELL	°C	36.4	Ambient temperature + 5 °C - 15 °C
PUMP	Kpa	43.8	65 kPa or less
AMBIENT	kPa	101.4	Current atmospheric pressure
DC 24V	V	24.0	24 V ±0.5 V
DC 5V	V	4.9	5 V ±0.5 V

Calibrate By :

Mr. Panupon Podang

(MR.PANUPON PODANG)

May 13, 2022

Checked By :

Ms. Sutatip In-Noi

(MS.SUTATIP IN-NOI)

May 13, 2022

Calibration Data of SO₂ Analyzer

Analyzer Performance Test

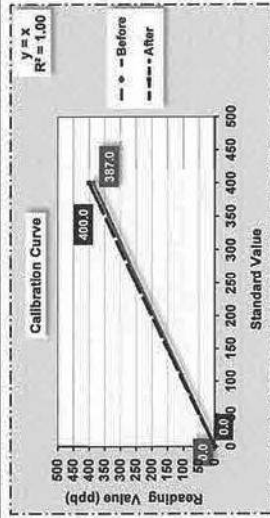
Equipment	Gas Analyzer (SO ₂)	Customer Name	TLT Consultants
Manufacturer	Thermo	Location	Envi Research
Model	43C	Scientist	Parupon
Serial No.	0335804022	Calibration Date	May 12, 2022
Analyzer Unit	ppb	Time	7:41 PM

Instruments for Calibration

Instruments	Manufacturer	Model	Serial Number
Zero Air Supply	Thermo Env.	111	0700419829
Dynamic Dilution Calibrator	Tanabyte	300T	0172
Standard Gas Components	CO = 4,516 ppm NO = 55.3 ppm SO ₂ = 54.9 ppm		
Cylinder No : EB0123013			
Expire Date : Oct 22, 2027			

Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value (ppb)	Stability	% Abs Error
Zero	0	Before 0.0	After -	-
Span	400	Before 387.0	After 400.0	3.3



STATUS TEST AND VALIDATION OF SO₂ ANALYZER MODEL 43C

Parameter	Display As	Unit	Observed Value	Nominal Range
Range	RANGE	ppb	Before Adjust 500 After Adjust 500	0 - 500 standard
Internal Temperature	INTERNAL	°C	33.8	8.0 °C to 47.0 °C
Chamber Temp	CHAMBER	°C	45	43.0 °C to 47.0 °C
Pressure	PRESSURE	mmHg	715.0	400.0 to 1,000
Sample Flow	SAMPLE FLOW	LPM	0.378	0.350 to 1,000
Lamp Intensity	INTENSITY	Hz	24,710	20,000 to 50,000
Lamp Voltage	LAMP VOLTAGE	V	888	750 to 1,200
SO2 Concentration	SO2 CONCENTRATION	ppb	0.9	0 to 10,000
Motherboard Status	MOTHERBOARD STATUS	-	OK	OK
Interface Status	INTERFACE STATUS	-	OK	OK

Calibrate By :

Checked By :

(MS.SUTATIP IM-NOI)

May 12, 2022

(MR.PANUPON PODANG)

May 12, 2022

ENVIRONMENT RESEARCH & TECHNOLOGY CO., LTD.

Calibration Data of SO₂ Analyzer

Analyzer Performance Test

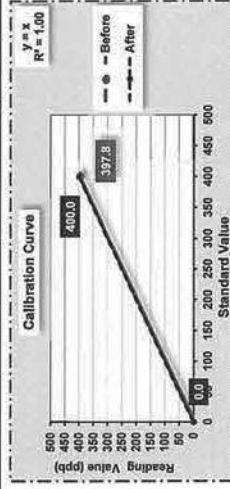
Equipment	Gas Analyzer (SO ₂)	Customer Name	TLT Consultants
Manufacturer	Horiba	Location	Envi Research
Model	APSA-370	Scientist	Parupon
Serial No.	GEXCFUN8	Calibration Date	May 13, 2022
Analyzer Unit	ppb	Time	4:00 PM

Instruments for Calibration

Instruments	Manufacturer	Model	Serial Number
Zero Air Supply	Thermo Env.	111	0700419829
Dynamic Dilution Calibrator	Tanabyte	300T	0172
Standard Gas Components	CO = 4,516 ppm NO = 55.3 ppm SO ₂ = 54.9 ppm		
Cylinder No : EB0123013			
Expire Date : Oct 22, 2027			

Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value (ppb)	Stability	% Abs Error
Zero	0	Before -4.3	After 0.0	-
Span	400	Before 397.8	After 400.0	0.5



STATUS TEST AND VALIDATION OF SO₂ ANALYZER MODEL APSA-370

Parameter	Unit	Observed Value	Nominal Range
Range	ppb	Before Adjust 500 After Adjust 500	0 - 500 Standard
Signal (SO ₂)	mV	18.7	Voltage of the measured SO ₂ value
LAMP	mV	395.6	200 mV - 1200 mV
CELL	°C	36.7	Ambient temperature + 5 °C - 15 °C
PUMP	Kpa	45.4	65 kPa or less
AMBIENT	kPa	101.4	Current atmospheric pressure
DC 24V	V	24.0	24 V ±0.5 V
DC 5V	V	5.0	5 V ±0.5 V

Calibrate By :

Checked By :

(MS.SUTATIP IM-NOI)

May 13, 2022

(MR.PANUPON PODANG)

May 13, 2022

ENVIRONMENT RESEARCH & TECHNOLOGY CO., LTD.

Calibration Data of SO₂ Analyzer

Analyzer Performance Test

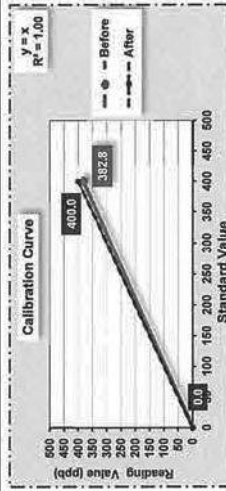
Equipment	Gas Analyzer (SO ₂)	Customer Name	TLT Consultants
Manufacturer	Horiba	Location	Envi Research
Model	APSA-370	Scientist	Parupon
Serial No.	12E8X34P	Calibration Date	May 13, 2022
Analyzer Unit	ppb	Time	11:03 AM

Instruments for Calibration

Instruments	Manufacturer	Model	Serial Number
Zero Air Supply	Thermo Env.	111	0700419829
Dynamic Dilution Calibrator	Tanabyte	300T	0172
Standard Gas Components	CO = 4.516 ppm NO = 55.3 ppm SO ₂ = 54.9 ppm		
Cylinder No : EB0723013			
Expire Date : Oct 22, 2027			

Single Point Calibration

Standard Gas	Standard Gas Value	Analyzer Value (ppb)	Stability	% Abs Error
Zero	0	-0.2	Before After	-
Span	400	382.8	400.0	4.3



STATUS TEST AND VALIDATION OF SO₂ ANALYZER MODEL APSA-370

Parameter	Unit	Observed Value	Nominal Range
Range	ppb	Before Adjust After Adjust	0 - 500 Standard
Signal (SO ₂)	mV	4	Voltage of the measured SO ₂ value
LAMP	mV	308.8	200 mV - 1200 mV
CELL	°C	36.1	Ambient temperature + 5 °C - 15 °C
PUMP	Kpa	44.1	65 Kpa or less
AMBIENT	kPa	100.7	Current atmospheric pressure
DC 24V	V	23.9	24 V ±0.5 V
DC 5V	V	5.0	5 V ±0.5 V

Calibrate By :

(MR.PANUPON PODANG)

May 13, 2022

Checked By :

(MS.SUTATIP IM-NOI)

May 13, 2022



Sound Level Meter Calibration Report

Support Equipment Type : Sound Level Calibrator

Manufacturer : Larson Davis

Model : CAL200

Serial No. : 2197

Range of Calibrator

- Sound Pressure Level : 94.0 dB.

- Frequency : 1,000 Hz.

Calibrated By : Mr.Nitad Sirichad

Calibration Date : May 17, 2022

Customer Name

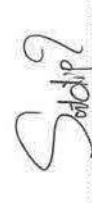
: Klong Luang Utilities Company Limited : Electricity and Steam Generating Cogeneration,
Pathumthani Province Project

Item	Brand	Equipment	Serial Number	Actual Reading (dB(A))	Status
1	Rion	NL-21	00609448	Before Adjustment After Adjustment	Pass
2	Rion	NL-21	01165995	94.0 94.0	Pass
3	Rion	NL-42	00484664	93.9 94.0	Pass
4	TECH	BSWA 309	570110	93.9 94.0	Pass

Checked By

Mr.Prayun Detkha

Technician



Ms.Sutatip Im-noi
Environmental Scientist



THAILAND INSTITUTE OF SCIENTIFIC AND TECHNOLOGICAL RESEARCH (TISTR)

Request No. 21-64/0733

MTC No. EEL. BP. 89/0764

CALIBRATION CERTIFICATE

Submitted by : Environment Research & Technology Co., Ltd.
Address : 25/114 Moo 6, Soi Chimaket 1, Ngamwongwan Road, Toongsonghong, Laksi, Bangkok, 10210.
Calibrated at : Electrical and Electronic Standards Laboratory, Industrial Metrology and Testing Service Centre,
: Soi 1C, Bangpoo Industrial Estate, Sukhumvit Rd., Muang, Samutprakan 10280.

Instrument Calibrated :

Description : Precision Acoustic Calibrator
Manufacturer : Larson Davis
Model : CAL150
Serial No. : 2197

Ambient Environment

Temperature : $(23 \pm 3) ^\circ\text{C}$
Relative Humidity : $(50 \pm 15) \%$
Ambient Pressure : $(101.325 \pm 1.500) \text{ kPa}$

Standards used : 1. Digital Function Synthesizer NF Electronic DE-193A S/N 122037.

2. Measuring Amplifier Brüel&Kjaer 2636 S/N 1537484.

3. Programmable Attenuator Tamagawa TPA-303A S/N OF 2214.

4. Digital Multimeter Agilent 34401A S/N MY44005560.

5. Pressure Transmitter Vaisala PTB202AD S/N T0650001.

6. Audio Analyzer Panasonic VP-7722A S/N 041477D122.

7. Condenser Microphone B&K 4180 S/N 2633526.

Calibration Procedure: CP-102-04 based on IEC 60942:2003. The sound pressure level of instrument was measured by standard microphone using an insert voltage technique.

This instrument has been calibrated against standards maintained at Electrical and Electronic Standards Laboratory (EEL), which are traceable to the International System of Units through the National Institute of Metrology (Thailand).

The information on actual reading is attached herewith and the uncertainty limits quoted refer to the measured values only.

Date of Receipt : 21 Jul. 2021

Date of Calibration : 28 Jul. 2021

1 / 2

The results relate only to the items tested/calibrated or value assigned.

Advertising the Report/Certificate and publicity of the results except in full are prohibited unless written permission is obtained from the governor of TISTR.

Head Office
35 Mu 3 Tambon Khlong Ha, Amphoe Khlong Luang,
Changwat Pathumthani 12120, Thailand
Tel. (66) 0 2577 9000
Fax. (66) 0 2577 9009
E-mail : rumpai@tistr.or.th Website: www.tistr.or.th

Office/Laboratory
Soi 1C, Bangpoo Industrial Estate, Sukhumvit Road,
Amphoe Muang, Changwat Samutprakan 10280, Thailand
Tel. (66) 0 2323 1672-80 ext. 115, 116
Fax. (66) 0 2323 9165
E-mail : mtc@tistr.or.th

FM.BLMTC.002 Rev.



THAILAND INSTITUTE OF SCIENTIFIC AND TECHNOLOGICAL RESEARCH (TISTR)

Request No. 21-64/0733

MTC No. EEL. BP. 89/0764

The reported expanded uncertainty is based upon a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%.

Nominal Output of Unit Under Test = 94 dB re 20 μPa at 1000 Hz

Acoustic Output in dB re 20 μPa , Corrected to Reference Conditions : 101.325 kPa, 23.0 $^\circ\text{C}$ and 50 %RH

1. Sound Pressure Level

Standard Microphone	Measured Sound Pressure Level (dB)	Deviated value (dB)	Uncertainty (dB)	Tolerance limit
Type				
1/2 inch Brüel&Kjaer 4180	93.96	-0.04	± 0.10	$\pm 0.75 \text{ dB}$

2. Frequency

Standard Microphone	Measured Frequency (Hz)	Deviated value (Hz)	Uncertainty (Hz)	Tolerance limit
Type				
1/2 inch Brüel&Kjaer 4180	999.7	-0.3	± 1.5	$\pm 2.0 \%$

3. Total distortion

Standard Microphone	Measured Total distortion (%)	Uncertainty (%)	Tolerance limit
Type			
1/2 inch Brüel&Kjaer 4180	1.44	± 0.50	$\pm 4.0 \%$

Note : 1. No adjustment.

2. The calibrator pressure correction was not included.

3. The microphone volume correction was included at level of 0.26 dB from manual.

Date of Calibration : 28 Jul. 2021

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The results relate only to the items tested/calibrated or value assigned.

Advertising the Report/Certificate and publicity of the results except in full are prohibited unless written permission is obtained from the governor of TISTR.

Head Office
35 Mu 3 Tambon Khlong Ha, Amphoe Khlong Luang,
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E-mail : mtc@tistr.or.th

FM.BLMTC.002 Rev.



THAILAND INSTITUTE OF SCIENTIFIC AND TECHNOLOGICAL RESEARCH (TISTR)

Request No. 21-64/0733

MTC No. EEL. BP. 89/0764

Nominal Output of Unit Under Test = 114 dB re 20µPa at 1000 Hz

Acoustic Output in dB re 20µPa, Corrected to Reference Conditions : 101.325 kPa, 23.0 °C and 50 %RH

1. Sound Pressure Level

Standard Microphone Type	Measured Sound Pressure Level (dB)	Deviated value (dB)	Uncertainty (dB)	Tolerance limit
1/2 inch Brüel&Kjaer 4180	113.96	-0.04	± 0.10	IEC60942:2003 Class 2 ±0.75 dB

2. Frequency

Standard Microphone Type	Measured Frequency (Hz)	Deviated value (Hz)	Uncertainty (Hz)	Tolerance limit
1/2 inch Brüel&Kjaer 4180	999.6	-0.4	± 1.5	IEC60942:2003 Class 2 ±2.0%

3. Total Distortion

Standard Microphone Type	Measured Total Distortion (%)	Uncertainty (%)	Tolerance limit
1/2 inch Brüel&Kjaer 4180	0.38	± 0.50	IEC60942:2003 Class 2 ±4.0%

Note : 1. No adjustment.

2. The calibrator pressure correction was not included.

3. The microphone volume correction was included at level of 0.26 dB from manual.

Calibrated by :

.....
(Mr. Weerachai Deechaiyae)

Approved by :

.....
(Mr. Prawate Klusaypa)
Acting Director

Electrical and Electronic Standards Laboratory

Industrial Metrology and Testing Service Centre

Date of Calibration : 28 Jul. 2021

Date of Issue : 30 Jul. 2021

Ref : 2011264072103155001

End of Certificate

3 / 3

The results relate only to the items tested/calibrated or value assigned.

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Head Office

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Thailand
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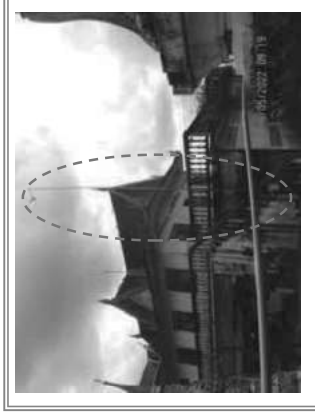
FM.BL.MTC.002 Rev.

ภาคผนวก 3ง

บันทึกสภาพแวดล้อมและสภาพอากาศโดยรอบจุดตรวจวัด



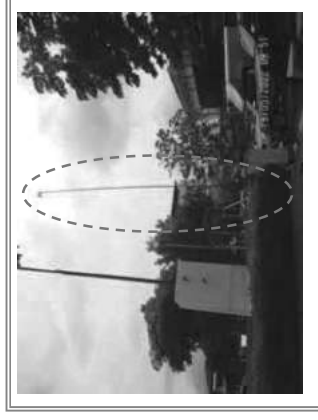
Sampling Picture of Ambient Air Quality
 Khlong Nueng School (Kaew Nimit), Village no. 4, Khlong Nueng Sub-District,
 Khlong Luang District, Pathum Thani Province
 Measured during May 18-25, 2022



Sampling Picture of Ambient Air Quality
 Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District,
 Mueang Pathum Thani District, Pathum Thani Province
 Measured during May 18-25, 2022



Sampling Picture of Ambient Air Quality
 Saeng San Temple, Village no. 6, Prachathipat Sub-District,
 Thanyaburi District, Pathum Thani Province
 Measured during May 18-25, 2022



Sampling Picture of Ambient Air Quality
 Learning and Recreation Center of Rangsit City Municipality
 (located in Rattanakosin Song Roi Pl Housing Estate)
 Measured during May 18-25, 2022



Sampling Picture of Noise levels
Common Area of Pak Thang White House Community, Khlong Nueng Sub-District,
Khlong Luang District, Pathum Thani Province
Measured during May 18-25, 2022



Sampling Picture of Noise levels
Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured during May 18-25, 2022



Sampling Picture of Noise levels
Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District,
Khlong Luang District, Pathum Thani Province
Measured during May 18-25, 2022

บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 18 พฤษภาคม พ.ศ.2565)
การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตาม
ตรวจสอบผลกระทบสิ่งแวดล้อม
โครงการผลิตไฟฟ้าและไอน้ำระบบโคเจนเนอเรชัน จังหวัดปทุมธานี (ระยะดำเนินการ)
ระหว่างเดือนมกราคม – มิถุนายน 2565

1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)
วันที่ตรวจวัด : 18 พฤษภาคม พ.ศ.2565
ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
	<p>- ท้องฟ้าโปร่ง มีแดด มีลมพัด ชั่วขณะมีฝนตก การจราจรมีปริมาณปานกลาง</p>
สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี	







Sampling Picture of Stack
HRSG Stack Unit 1
Measured on May 20, 2022





Sampling Picture of Stack
HRSG Stack Unit 2
Measured on May 20, 2022



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
<div data-bbox="221 1704 477 2042"></div> <div data-bbox="493 1704 742 2042"></div>	บันทึกสภาพแวดล้อม - ท้องฟ้ามีเมฆมาก มีฝนตก การจราจรมีปริมาณน้อย
สถานี A2 : วัดเสด็จ หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี	


ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
<div data-bbox="221 586 477 925"></div> <div data-bbox="493 586 751 925"></div>	บันทึกสภาพแวดล้อม - ท้องฟ้าครึ้ม มีเมฆมาก มีฝนตก การจราจรมีปริมาณมาก
สถานี A3 : วัดแสงสรรค์ หมู่ที่ 6 ต.ประชาธิปไตย อ.ธัญบุรี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>บันทึกสภาพแวดล้อม</p> <p>- ท้องฟ้ามีเมฆมาก มีฝนตก มีฝนตก การจราจรมีปริมาณปานกลาง มีรถเข้า-ออกตลอดเวลา</p>
สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และบันทึกสถานการณ์การทดสอบรถถังลัด)	

- การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี)
วันที่ตรวจวัด : 18 พฤษภาคม พ.ศ.2565
ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>บันทึกสภาพแวดล้อม</p> <p>- มีฝนตก ลมพัดแรง การจราจรมีปริมาณมาก</p>
สถานี N1 : พื้นที่ชุมชนปากทางรถไฟเก่า ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>บันทึกสภาพแวดล้อม</p> <p>- ท้องฟ้ามีเมฆมาก มีฝนตกหนัก มีเสียงเครื่องจักรจากโครงการ</p>
<p>สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด)</p>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>บันทึกสภาพแวดล้อม</p> <p>- การจราจรหนาแน่น เนื่องจากจุดตั้งเป็นหอพักพนักงาน และมีเสียงเครื่องจักรจากโครงการ</p>
<p>สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด</p>	



บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 19 พฤษภาคม พ.ศ.2565)
การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตาม
ตรวจสอบผลกระทบสิ่งแวดล้อม
โครงการผลิตไฟฟ้าและโอนระบบโคเจนเนอเรชัน จังหวัดปทุมธานี (ระยะดำเนินการ)
ระหว่างเดือนมกราคม – มิถุนายน 2565



1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)
วันที่ตรวจวัด : 19 พฤษภาคม พ.ศ.2565







ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าโปร่ง มีแดด มีลมพัด ช่วงเช้ามีฝนตก การจราจรมีปริมาณปานกลาง</p>
สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหลวง จ.ปทุมธานี	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าโปร่ง มีแดด การจราจรมีปริมาณน้อย</p>
สถานี A2 : วัดเสด็จ หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้าโปร่ง มีแดด การจราจรมีปริมาณน้อย</p>
สถานี A3 : วัดแสงสรรค์ หมู่ที่ 6 ต.ประจักษ์ศิลปชัย อ.ธัญบุรี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้ามีเมฆมาก มีฝนตก การจราจรมีปริมาณปานกลาง มีรถเข้า-ออกตลอดเวลา</p>
สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และนิทรรศการเทศบาลนครรังสิต)	

<p>2. การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี) วันที่ตรวจวัด : 19 พฤษภาคม พ.ศ.2565 ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด</p>	<table> <tr> <th data-bbox="255 1666 312 2096">ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง</th><th data-bbox="255 1236 312 1666">บันทึกสภาพแวดล้อม</th></tr> <tr> <td data-bbox="312 1666 946 2096">   </td><td data-bbox="312 1236 946 1666"> <p>- ห้องฟ้าครีมี มีลมพัด การจราจรมีปริมาณมาก</p> </td></tr> </table> <p data-bbox="884 1236 946 1666">สถานี N1 : พื้นที่ชุมชนปากทางไผ่หวายท่าเสา ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)</p>	ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม	 	<p>- ห้องฟ้าครีมี มีลมพัด การจราจรมีปริมาณมาก</p>
ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม				
 	<p>- ห้องฟ้าครีมี มีลมพัด การจราจรมีปริมาณมาก</p>				

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก มีลมพัด มีเสียงเครื่องจักรจากโครงการ</p>
สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด)	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก มีเสียงเครื่องจักรจากโครงการการจราจรมีปริมาณปานกลาง</p>
สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เทียน โพเลสเตอร์ (ประเทศไทย) จำกัด	



บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 20 พฤษภาคม พ.ศ.2565)
การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม
โครงการผลิตไฟฟ้าและไอน้ำระบบโคเจนเนอเรชั่น จังหวัดปทุมธานี (ระยะดำเนินการ)
ระหว่างเดือนมกราคม – มิถุนายน 2565



1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)



วันที่ตรวจวัด : 20 พฤษภาคม พ.ศ.2565

ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าครึ้ม มีลมพัด การจราจรมีปริมาณปานกลาง</p>
สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี	


ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	บันทึกสภาพแวดล้อม - ห้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณน้อย
สถานี A2 : วัดเสียง หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี	

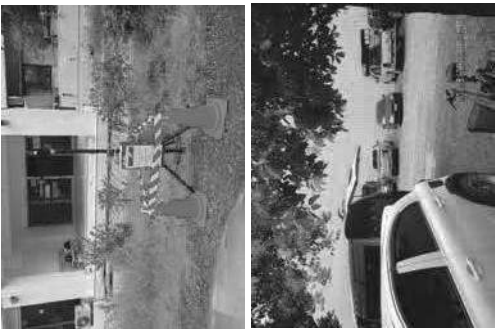
ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	บันทึกสภาพแวดล้อม - ห้องฟ้าโปร่ง มีแดด การจราจรมีปริมาณปานกลาง
สถานี A3 : วัดแสงสารถ หมู่ที่ 6 ต.ประจักษ์ศิลปาคม อ.ธัญบุรี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก มีแดด มีลมพัด การจราจร มีปริมาณปานกลาง มีรถเข้า-ออกตลอดเวลา</p>
สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และนิทรรศการเทศบาลนครรังสิต)	


- การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี)
วันที่ตรวจวัด : 20 พฤษภาคม พ.ศ.2565
ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด




ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก มีลมพัด การจราจรมีปริมาณปานกลาง</p>
สถานี N1 : พื้นที่ชุมชนปากทางรถไฟเก่า ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
	<p>- ท้องฟ้าครึ้ม มีลมพัด มีเสียงเครื่องจักรจากโครงการ</p>
<p>สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด)</p>	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
	<p>- ท้องฟ้ามีเมฆมาก มีเสียงเครื่องจักรจากโครงการ การจราจรมีปริมาณปานกลาง</p>
<p>สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด</p>	

3. การตรวจวัดคุณภาพอากาศที่ระบายจากปล่อง (จำนวน 2 ปล่อง)
วันที่ตรวจวัด : 20 พฤษภาคม พ.ศ. 2565
ผู้ตรวจวัด : บริษัทเอ็นไรรอนแมนท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด
ช่วงเวลาการตรวจวัด : 10:10 – 11:20 น.

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
  	<p><u>ช่วงเวลาการตรวจวัด : 10:10 – 11:20 น.</u> - ท้องฟ้าครึ้ม มีลมพัด มีกิจกรรมการทำงานของโรงไฟฟ้า มีการจราจรปริมาณมากด้านหน้าโรงงาน</p>
HRSG Stack Unit 1	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
  	<p><u>ช่วงเวลาการตรวจวัด : 08:30 – 09:40 น.</u> - ท้องฟ้าครึ้ม มีเมฆมาก มีกิจกรรมการทำงานของโรงไฟฟ้า</p>
HRSG Stack Unit 2	



บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 21 พฤษภาคม พ.ศ.2565)
การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตาม
ตรวจสอบผลกระทบสิ่งแวดล้อม
โครงการผลิตไฟฟ้าและไอน้ำระบบโคเจนเนอเรชั่น จังหวัดปทุมธานี (ระยะดำเนินการ)
ระหว่างเดือนมกราคม – มิถุนายน 2565


1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)


วันที่ตรวจวัด : 21 พฤษภาคม พ.ศ.2565

ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องพักครึ่ง มีลมพัด การจราจรมีปริมาณปานกลาง</p>
<p>สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี</p>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก มีลมพัด การจราจรมีปริมาณน้อย</p>
<p>สถานี A2 : วัดเสด็จ หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี</p>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	พื้นที่สภาพแวดล้อม
	<p>พื้นที่สภาพแวดล้อม</p> <p>- ห้องฟ้าครั้น มีฝนตก มีลดพัด การจราจรมีปริมาณปานกลาง</p>
<p>สถานี A3 : วัดแสงสรรค์ หมู่ที่ 6 ต.ประชาธิปไตย อ.ัญบุรี จ.ปทุมธานี</p>	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	พื้นที่สภาพแวดล้อม
	<p>พื้นที่สภาพแวดล้อม</p> <p>- ห้องฟ้ามีเมฆเป็นบางส่วน มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง มีรถเข้า-ออกตลอดเวลา</p>
<p>สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และนิทรรศการเทศบาลนครรังสิต)</p>	

2. การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี)
วันที่ตรวจวัด : 21 พฤษภาคม พ.ศ.2565
ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก การจราจรมีปริมาณปานกลาง</p>
<p>สถานี N1 : พื้นที่ชุมชนปากทางรถไฟเก่าสี่ ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)</p>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าครึ้ม มีลมพัด มีเสียงเครื่องจักรจากโครงการ</p>
<p>สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด)</p>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก มีลมพัด มีเสียงเครื่องจักรจากโครงการ การจราจรมีปริมาณปานกลาง</p>
<p>สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด</p>	



บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 22 พฤษภาคม พ.ศ.2565)
การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม



โครงการผลิตไฟฟ้าและน้ำประปาโคเจนเนอเรชั่น จังหวัดปทุมธานี (ระยะดำเนินการ)
ระหว่างเดือนมกราคม – มิถุนายน 2565



1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)
วันที่ตรวจวัด : 22 พฤษภาคม พ.ศ.2565
ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าครึ้ม มีลมพัด การจราจรมีปริมาณเบาบาง</p>
<p>สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี</p>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้ามีเมฆมาก มีลมพัด การจราจรมีปริมาณมากกว่าปกติเนื่องจากบริเวณวัดเสด็จมีตลาดนัดตอนเช้า</p>
สถานี A2 : วัดเสด็จ หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าครึ้ม มีลมพัด การจราจรมีปริมาณมากเนื่องจากบริเวณวัดแสงสรรค์มีการจัดงานววช</p>
สถานี A3 : วัดแสงสรรค์ หมู่ที่ 6 ต.ประจักษ์ปัตย์ อ.ธัญบุรี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟักมีเมฆเป็นบางส่วน มีแดด มีลมพัด การจราจร มีปริมาณปานกลาง มีรถเข้า-ออกตลอดเวลา</p>
สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และนิทรรศการเทศบาลนครรังสิต)	

2. การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี) วันที่ตรวจวัด : 22 พฤษภาคม พ.ศ.2565 ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด	บันทึกสภาพแวดล้อม
<p>ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง</p>  	<p>- ห้องฟักมีเมฆบางส่วน การจราจรมีปริมาณปานกลาง</p>
สถานี N1 : พื้นที่ชุมชนปากทางรถไฟเก่าส ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	<div data-bbox="215 1702 483 2058">  </div> <div data-bbox="497 1702 766 2058">  </div>	บันทึกสภาพแวดล้อม
	<div data-bbox="798 1236 829 2098"> <p>สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เที่ยน โพเลสเตอร์ (ประเทศไทย) จำกัด)</p> </div>	<div data-bbox="215 1236 279 1664"> <p>- ห้องฟ้าครีม มีลมพัด มีเสียงเครื่องจักรจากโครงการ</p> </div>



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	<div data-bbox="207 584 475 938">  </div> <div data-bbox="489 584 758 938">  </div>	บันทึกสภาพแวดล้อม
	<div data-bbox="790 118 821 983"> <p>สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เที่ยน โพเลสเตอร์ (ประเทศไทย) จำกัด</p> </div>	<div data-bbox="215 118 279 544"> <p>- ห้องฟ้ามีเมฆบางส่วน มีลมพัด มีเสียงเครื่องจักรจากโครงการ การจราจรมีปริมาณปานกลาง</p> </div>



บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 23 พฤษภาคม พ.ศ.2565)
การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตาม
ตรวจสอบผลกระทบสิ่งแวดล้อม
โครงการผลิตไฟฟ้าและโอนระบบโคเจนเนอเรชั่น จังหวัดปทุมธานี (ระยะดำเนินการ)
ระหว่างเดือนมกราคม – มิถุนายน 2565



1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)



วันที่ตรวจวัด : 23 พฤษภาคม พ.ศ.2565




ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด

ภาพถ่ายตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง</p>
สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี	

ภาพถ่ายตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณน้อย</p>
สถานี A2 : วัดเสด็จ หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	- ท้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง
สถานี A3 : วัดแสงสรรค์ หมู่ที่ 6 ต.ประจักษ์ศิลปชัย อ.ัญบุรี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	- ท้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง
สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และนิทรรศการเทคโนโลยีการเกษตรครบวงจรเลิศ)	



<p>2. การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี) วันที่ตรวจวัด : 23 พฤษภาคม พ.ศ.2565 ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด</p>	<table border="1"> <thead> <tr> <th data-bbox="256 1666 312 2094">ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง</th><th data-bbox="256 1236 312 1666">บันทึกสภาพแวดล้อม</th></tr> </thead> <tbody> <tr> <td data-bbox="312 1666 874 2094">  </td><td data-bbox="312 1236 874 1666"> <p>- ห้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง</p> </td></tr> </tbody> </table>	ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม		<p>- ห้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง</p>
ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม				
	<p>- ห้องฟ้าโปร่ง มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง</p>				
<p>สถานี N1 : พื้นที่ชุมชนปากทางไวก์เฮาส์ ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)</p>					



<p>ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง</p>		<p>บันทึกสภาพแวดล้อม</p>
	<p>- ห้องฟ้าโปร่ง มีแดดออก มีลมพัด มีเสียงเครื่องจักรจากโครงการ</p>	
<p>สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด)</p>		



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้ามีเมฆมาก มีลมพัด มีเสียงเครื่องจักรจากโครงการ การจราจรมีปริมาณปานกลาง</p>
<p>สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด</p>	



บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 24 พฤษภาคม พ.ศ.2565)
 การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตามตรวจสอบผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
 โครงการผลิตไฟฟ้าและไอน้ำระบบโคเจนเนอเรชัน จังหวัดปทุมธานี (ระยะดำเนินการ)
 ระหว่างเดือนมกราคม – มิถุนายน 2565

1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)
 วันที่ตรวจวัด : 24 พฤษภาคม พ.ศ.2565
 ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้ามีเมฆเป็นบางส่วน มีแดด มีลมพัด การจราจรมีปริมาณปานกลาง</p>
<p>สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี</p>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>บันทึกสภาพแวดล้อม</p> <p>- ห้องฟ้ามีเมฆเป็นบางส่วน มีแดด มีลมพัด การจราจรมีปริมาณน้อย</p>
สถานี A2 : วัดเลี้ยว หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>บันทึกสภาพแวดล้อม</p> <p>- ห้องฟ้ามีเมฆเป็นบางส่วน มีแดด การจราจรมีปริมาณปานกลาง</p>
สถานี A3 : วัดแสงสรรค์ หมู่ที่ 6 ต.ประชาธิปไตย อ.ธัญบุรี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง		บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้ามีเมฆเป็นบางส่วน มีแดด มีลมพัด</p> <p>การจราจรมีปริมาณปานกลาง</p>	<p>สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และนันทนาการเทศบาลนครสิงห์ลีด)</p>

- การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี)
วันที่ตรวจวัด : 24 พฤษภาคม พ.ศ.2565
ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้าโปร่ง มีลมพัด การจราจรมีปริมาณปานกลาง</p>
<p>สถานี N1 : พื้นที่ชุมชนปากทางไผ่เหาะส์ ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)</p>	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
<div>   </div>	<div> <div> - ห้องฟ้ามีเมฆเป็นบางส่วน มีแดดออก มีลมพัด มีเสียงเครื่องจักรจากโครงการ </div> </div>
<div> <div>สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด)</div> </div>	



ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
<div>   </div>	<div> <div> - ห้องฟ้าโปร่ง มีลมพัด มีเสียงเครื่องจักรจากโครงการ การจราจรมีปริมาณปานกลาง </div> </div>
<div> <div>สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด</div> </div>	



บันทึกกิจกรรมการตรวจวัดคุณภาพสิ่งแวดล้อม (ประจำวันที่ 25 พฤษภาคม พ.ศ.2565)
การติดตามตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมและมาตรการติดตาม
ตรวจสอบผลกระทบสิ่งแวดล้อม
ตรวจสอบผลกระทบทันทีสิ่งแวดล้อม
โครงการผลิตไฟฟ้าและโอนระบบโคเจนเนอเรชั่น จังหวัดปทุมธานี (ระยะดำเนินการ)
ระหว่างเดือนมกราคม – มิถุนายน 2565



1. การตรวจวัดคุณภาพอากาศในบรรยากาศ (จำนวน 4 สถานี)



วันที่ตรวจวัด : 25 พฤษภาคม พ.ศ.2565

ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด


ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าโปร่ง มีแดดออก มีลมพัด การจราจร มีปริมาณปานกลาง</p>
สถานี A1 : โรงเรียนคลองหนึ่ง (แก้วนิมิตร) หมู่ที่ 4 ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี	


ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ห้องฟ้าโปร่ง มีแดดออก มีลมพัด การจราจร มีปริมาณน้อย</p>
สถานี A2 : วัดเสด็จ หมู่ที่ 5 ต.สวนพริกไทย อ.เมืองปทุมธานี จ.ปทุมธานี	


ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้าโปร่ง มีแดดออก มีลมพัด การจราจร มีปริมาณปานกลาง</p>
สถานี A3 : วัดแสงสรรค์ หมู่ที่ 6 ต.ประจักษ์ศิลปาคม อ.ธัญบุรี จ.ปทุมธานี	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
 	<p>- ท้องฟ้าโปร่ง มีแดดออก มีลมพัด การจราจร มีปริมาณปานกลาง</p>
สถานี A4 : หมู่บ้านรัตนโกสินทร์ 200 ปี (ศูนย์การเรียนรู้และนันทนาการเทศบาลนครสิงห์)	

- การตรวจวัดระดับเสียงทั่วไป (จำนวน 3 สถานี)
วันที่ตรวจวัด : 25 พฤษภาคม พ.ศ.2565
ผู้ตรวจวัด : บริษัท เอ็นไวรอนเม้นท์ รีเสิร์ช แอนด์ เทคโนโลยี จำกัด

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
	- ห้องฟ้าโปร่ง มีแดดออก มีลมพัด การจราจร มีปริมาณปานกลาง
สถานี N1 : พื้นที่ชุมชนปากทางไผ่เหาะส์ ด้านทิศใต้ของโครงการ (พื้นที่ส่วนกลางของชุมชน)	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
	- ห้องฟ้าไม่มีเมฆเป็นบางส่วน มีแดดออก มีลมพัด มีเสียงเครื่องจักรจากโครงการ
สถานี N2 : บริเวณริมรั้วโครงการ (ติดหอพักพนักงาน บริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด)	

ภาพถ่ายจุดตรวจวัด และสภาพแวดล้อมใกล้เคียง	บันทึกสภาพแวดล้อม
	<p>บ้านที่กสภาพแวดล้อม</p> <p>- ห้องฟ้าโปร่ง มีแดดออก มีลมพัด มีเสียงเครื่องจักรจากโครงการ การจราจรมีปริมาณปานกลาง</p>
<p>สถานี N3 : บริเวณหอพักพนักงาน ของบริษัท เทียน โพลีเอสเตอร์ (ประเทศไทย) จำกัด</p>	

ภาคผนวก 3จ

ผลการวิเคราะห์คุณภาพอากาศจากปล่องระบาย

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Sampling Source : Stack Air Quality
Sampling Point : HRSG Stack Unit 1
GPS. Coordinate : UTM (WGS84) 47P 0674369 E, 1550747 N
Sampling Date : May 20, 2022 **Analysis No.** : ST433/2565
Sampling Time : 10:10 – 11:20 **Received Date** : May 21, 2022
Sampling Method : US.EPA. Method 1-4, 5, 6, 7 **Analytical Date** : May 21-27, 2022
Sample Condition : Good **Report Date** : May 30, 2022
Sampling By : Mr.Watcharangkun Kongsang, Registration No.จ-099-จ-7672
Analyzed By : Environment Research & Technology Co., Ltd. Laboratory Registration No.จ-099

Item	Description	Method of Analysis	Unit	Result		Standard ^{2/}
				Actual Condition	Convert to Excess Oxygen 7%	
1	Fuel Type	-	-	Natural Gas		-
2	Combustion System	-	-	Close		-
3	Stack Height	Measuring Tape	m.	35.0		-
4	Stack Diameter	Measuring Tape	m.	3.50		-
5	Flue Gas Temperature	Thermocouple	°C	120	-	-
6	Pressure in Stack	Incline Manometer	mmHg	755	-	-
7	Oxygen Rate	Electrochemical Sensor	%	14.7	-	-
8	Moisture	Condensation Method	%	9.2	-	-
9	Air Velocity	Type S Pitot Tube	m/s	11.8	-	-
10	Flow Rate (Actual Condition)	Calculate	m ³ /s	114	-	-
11	Flow Rate ^{1/} (Standard Condition)	Calculate	Nm ³ /s	78	-	-
12	Sulfur Dioxide ^{1/}	Absorption, Barium-Thorin	ppm	<1.3	<1.3	20
		Titrimetric Method	mg/Nm ³	<3.4	<3.4	52
13	Oxide of Nitrogen ^{1/}	Absorption, Phenoldisulfonic	ppm	12	27	120
		Acid Method	mg/Nm ³	23	51	226
14	Total Suspended Particulate ^{1/}	Isokinetic, Gravimetric Method	mg/Nm ³	1.2	2.7	60

Remark : ^{1/} Reference condition is 25 degree Celsius at 1 Atmosphere and Dry Basis.

^{2/} Notification of the Ministry of Industry B.E.2547 (2004), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.121 Special Part 113D dated October 7, B.E.2547 (2004). (New Power Plant)

Laboratory Reviewer No.จ-099-จ-7666

Laboratory Supervisor No.จ-099-จ-2414

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Sampling Source : Stack Air Quality
Sampling Point : HRSG Stack Unit 2
GPS. Coordinate : UTM (WGS84) 47P 0674393 E, 1550750 N
Sampling Date : May 20, 2022 **Analysis No.** : ST434/2565
Sampling Time : 08:30 – 09:40 **Received Date** : May 21, 2022
Sampling Method : US.EPA. Method 1-4, 5, 6, 7 **Analytical Date** : May 21-27, 2022
Sample Condition : Good **Report Date** : May 30, 2022
Sampling By : Mr.Watcharangkun Kongsang, Registration No.จ-099-จ-7672
Analyzed By : Environment Research & Technology Co., Ltd. Laboratory Registration No.จ-099

Item	Description	Method of Analysis	Unit	Result		Standard ^{2/}
				Actual Condition	Convert to Excess Oxygen 7%	
1	Fuel Type	-	-	Natural Gas		-
2	Combustion System	-	-	Close		-
3	Stack Height	Measuring Tape	m.	35.0		-
4	Stack Diameter	Measuring Tape	m.	3.50		-
5	Flue Gas Temperature	Thermocouple	°C	120	-	-
6	Pressure in Stack	Incline Manometer	mmHg	756	-	-
7	Oxygen Rate	Electrochemical Sensor	%	14.6	-	-
8	Moisture	Condensation Method	%	9.0	-	-
9	Air Velocity	Type S Pitot Tube	m/s	10.8	-	-
10	Flow Rate (Actual Condition)	Calculate	m³/s	104	-	-
11	Flow Rate ^{1/} (Standard Condition)	Calculate	Nm³/s	71	-	-
12	Sulfur Dioxide ^{1/}	Absorption, Barium-Thorin	ppm	<1.3	<1.3	20
		Titrimetric Method	mg/Nm³	<3.4	<3.4	52
13	Oxide of Nitrogen ^{1/}	Absorption, Phenoldisulfonic	ppm	10	22	120
		Acid Method	mg/Nm³	19	41	226
14	Total Suspended Particulate ^{1/}	Isokinetic, Gravimetric Method	mg/Nm³	5.0	11	60

Remark : ^{1/} Reference condition is 25 degree Celsius at 1 Atmosphere and Dry Basis.

^{2/} Notification of the Ministry of Industry B.E.2547 (2004), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.121 Special Part 113D dated October 7, B.E.2547 (2004). (New Power Plant)


 Laboratory Reviewer No.จ-099-จ-7666


 Laboratory Supervisor No.จ-099-จ-2414

ภาคผนวก 3ฉ

ผลการวิเคราะห์คุณภาพอากาศในบรรยากาศโดยทั่วไป

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoinghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Sampling Source : Ambient Air Quality
Sampling Point : Khlong Nueng School (Kaew Nimit), Village no. 4, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674820 E, 1551786 N
Sampling Date : May 18-25, 2022 **Analysis No.** : AB630/2565
Sampling Time : 10:40 **Received Date** : May 25, 2022
Sampling Method : U.S. EPA 40 CFR Part 50 **Analytical Date** : May 25-27, 2022
Sample Condition : Good **Report Date** : May 30, 2022
Sampling By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.

Parameter	Unit	Method of Analysis	Result					Standard (1)
Total Suspended Particulate (TSP) 24 Hours Average	mg/m ³	Hi-Volume, Gravimetric Method	May 18-19, 22	May 19-20, 22	May 20-21, 22	May 21-22, 22	May 23-24, 22	May 24-25, 22
			0.037	0.038	0.046	0.041	0.049	0.048
Particulate Size Less Than 10 Micron (PM10) 24 Hours Average	mg/m ³	PM10 Size Selective, Hi-Volume, Gravimetric Method	0.016	0.020	0.020	0.017	0.024	0.028

Remark : 1. Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 92D dated May 25, B.E.2538 (1995).
2. Ministry of Natural Resources and Environmental Conservation, Special Part 1040 dated September 22, B.E.2547 (2004), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoinghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Sampling Source : Ambient Air Quality
Sampling Point : Sedet Temple, Village no. 5, Suan Phrik Thai Sub-District, Mueang Pathum Thani District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0668793 E, 1551647 N
Sampling Date : May 18-25, 2022 **Analysis No.** : AB631/2565
Sampling Time : 09:25 **Received Date** : May 25, 2022
Sampling Method : U.S. EPA 40 CFR Part 50 **Analytical Date** : May 25-27, 2022
Sample Condition : Good **Report Date** : May 30, 2022
Sampling By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.

Parameter	Unit	Method of Analysis	Result					Standard (1)
Total Suspended Particulate (TSP) 24 Hours Average	mg/m ³	Hi-Volume, Gravimetric Method	May 18-19, 22	May 19-20, 22	May 20-21, 22	May 21-22, 22	May 23-24, 22	May 24-25, 22
			0.038	0.041	0.041	0.061	0.066	0.048
Particulate Size Less Than 10 Micron (PM10) 24 Hours Average	mg/m ³	PM10 Size Selective, Hi-Volume, Gravimetric Method	0.021	0.021	0.024	0.027	0.041	0.032

Remark : 1. Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 92D dated May 25, B.E.2538 (1995).
2. Ministry of Natural Resources and Environmental Conservation, Special Part 1040 dated September 22, B.E.2547 (2004), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Sampling Source : Ambient Air Quality
Sampling Point : Seeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province

GPS. Coordinate : UTM (WGS84) 47P 0677581 E, 1548956 N
Sampling Date : May 18-25, 2022 **Analysis No.** : AB632/2565
Sampling Time : 12:30 **Received Date** : May 25, 2022
Sampling Method : U.S. EPA 40 CFR Part 50 **Analytical Date** : May 25-27, 2022
Sample Condition : Good **Report Date** : May 30, 2022
Sampling By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.

Parameter	Unit	Method of Analysis	Result					Standard (1)
Total Suspended Particulate (TSP) 24 Hours Average	mg/m ³	Hi-Volume, Gravimetric Method	0.038	0.068	0.053	0.058	0.057	0.053
Particulate Size Less Than 10 Micron (PM10) 24 Hours Average	mg/m ³	PM10 Size Selective, Hi-Volume, Gravimetric Method	0.020	0.029	0.023	0.029	0.037	0.031

Remark : 1. Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 92D dated May 25, B.E.2538 (1995) and Notification No.24 (B.E.2547 (2004), published in the Royal Government Gazette No.121 Special Part 104D dated September 22, B.E.2547 (2004), under the Enhancement and Conservation of National Environmental Quality Act B.E.2538 (1995).

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Sampling Source : Ambient Air Quality
Sampling Point : Learning and Recreation Center of Rangsit City Municipality (located in Rattanakosin Song Roi Pi Housing Estate)

GPS. Coordinate : UTM (WGS84) 47P 0673948 E, 1547485 N
Sampling Date : May 18-25, 2022 **Analysis No.** : AB633/2565
Sampling Time : 09:40 **Received Date** : May 25, 2022
Sampling Method : U.S. EPA 40 CFR Part 50 **Analytical Date** : May 25-27, 2022
Sample Condition : Good **Report Date** : May 30, 2022
Sampling By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.

Parameter	Unit	Method of Analysis	Result					Standard (1)
Total Suspended Particulate (TSP) 24 Hours Average	mg/m ³	Hi-Volume, Gravimetric Method	0.041	0.048	0.047	0.047	0.046	0.041
Particulate Size Less Than 10 Micron (PM10) 24 Hours Average	mg/m ³	PM10 Size Selective, Hi-Volume, Gravimetric Method	0.026	0.025	0.023	0.024	0.024	0.030

Remark : 1. Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 42D dated May 25, B.E.2538 (1995) and Notification No.24 (B.E.2547 (2004), published in the Royal Government Gazette No.121 Special Part 104D dated September 22, B.E.2547 (2004), under the Enhancement and Conservation of National Environmental Quality Act B.E.2538 (1995).

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Khlong Nueng School (Kaew Nimit), Village no. 4, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674820 E, 1551786 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer Horiba Model APNA-370 Serial Number XPWS7U3L
Reported Number : ASC198-NOx-2564 **Report Date** : June 7, 2022

Interval Time	Result (ppm)											
	May 18-19, 22			May 19-20, 22			May 20-21, 22			May 21-22, 22		
10:00 - 11:00	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx
11:00 - 12:00	0.0078	0.0101	0.0179	0.0058	0.0091	0.0149	0.0055	0.0108	0.0163	0.0089	0.0112	0.0201
12:00 - 13:00	0.0047	0.0084	0.0131	0.0049	0.0096	0.0145	0.0070	0.0151	0.0221	0.0105	0.0140	0.0245
13:00 - 14:00	0.0035	0.0083	0.0118	0.0041	0.0100	0.0141	0.0067	0.0138	0.0205	0.0058	0.0148	0.0206
14:00 - 15:00	0.0032	0.0078	0.0110	0.0040	0.0111	0.0151	0.0072	0.0133	0.0205	0.0062	0.0152	0.0214
15:00 - 16:00	0.0048	0.0085	0.0133	0.0047	0.0114	0.0161	0.0055	0.0122	0.0177	0.0071	0.0145	0.0216
16:00 - 17:00	0.0047	0.0166	0.0213	0.0043	0.0115	0.0158	0.0045	0.0107	0.0132	0.0048	0.0145	0.0193
17:00 - 18:00	0.0068	0.0157	0.0225	0.0039	0.0107	0.0146	0.0044	0.0107	0.0131	0.0045	0.0147	0.0192
18:00 - 19:00	0.0069	0.0291	0.0360	0.0044	0.0131	0.0175	0.0050	0.0115	0.0165	0.0046	0.0154	0.0200
19:00 - 20:00	0.0075	0.0225	0.0300	0.0033	0.0119	0.0152	0.0054	0.0186	0.0240	0.0094	0.0193	0.0287
20:00 - 21:00	0.0127	0.0191	0.0318	0.0024	0.0128	0.0152	0.0054	0.0206	0.0260	0.0068	0.0206	0.0274
21:00 - 22:00	0.0150	0.0196	0.0346	0.0021	0.0111	0.0132	0.0059	0.0204	0.0263	0.0055	0.0194	0.0249
22:00 - 23:00	0.0260	0.0186	0.0446	0.0022	0.0105	0.0127	0.0078	0.0211	0.0289	0.0072	0.0191	0.0263
23:00 - 00:00	0.0259	0.0172	0.0431	0.0023	0.0116	0.0139	0.0057	0.0183	0.0240	0.0058	0.0204	0.0262
00:00 - 01:00	0.0196	0.0154	0.0350	0.0020	0.0111	0.0131	0.0045	0.0178	0.0223	0.0035	0.0185	0.0228
01:00 - 02:00	0.0155	0.0154	0.0309	0.0023	0.0111	0.0134	0.0030	0.0181	0.0211	0.0040	0.0188	0.0228
02:00 - 03:00	0.0203	0.0164	0.0367	0.0028	0.0123	0.0151	0.0030	0.0178	0.0208	0.0027	0.0177	0.0204
03:00 - 04:00	0.0097	0.0154	0.0251	0.0028	0.0128	0.0156	0.0025	0.0188	0.0213	0.0022	0.0168	0.0190
04:00 - 05:00	0.0032	0.0134	0.0126	0.0028	0.0132	0.0160	0.0035	0.0196	0.0231	0.0021	0.0155	0.0176
05:00 - 06:00	0.0023	0.0102	0.0126	0.0036	0.0121	0.0157	0.0029	0.0142	0.0171	0.0023	0.0144	0.0167
06:00 - 07:00	0.0031	0.0098	0.0101	0.0038	0.0130	0.0168	0.0027	0.0165	0.0192	0.0023	0.0147	0.0170
07:00 - 08:00	0.0050	0.0104	0.0154	0.0079	0.0143	0.0222	0.0098	0.0171	0.0249	0.0030	0.0181	0.0211
08:00 - 09:00	0.0086	0.0088	0.0174	0.0107	0.0137	0.0244	0.0129	0.0167	0.0296	0.0063	0.0201	0.0264
09:00 - 10:00	0.0078	0.0087	0.0165	0.0075	0.0122	0.0197	0.0099	0.0134	0.0253	0.0094	0.0199	0.0293
24 Hours Average	0.0095	0.0139	0.0234	0.0041	0.0119	0.0160	0.0057	0.0162	0.0219	0.0053	0.0167	0.0220
1 Hour Maximum	0.0260	0.0291	0.0446	0.0107	0.0143	0.0244	0.0129	0.0211	0.0296	0.0105	0.0206	0.0293

Remark : 1/ Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 12D dated May 25, B.E.2538 (1995), Notification No.28, B.E.2550 (2007), published in the Royal Government Gazette No.124 Special Part 38D dated May 14, B.E.2550 (2007) and Notification No.33, B.E.2552 (2009), published in the Royal Government Gazette No.126 Special Part 114D dated August 14, B.E.2552 (2009), under the Biochemical and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer

Laboratory Supervisor

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Page 1/2

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Khlong Nueng School (Kaew Nimit), Village no. 4, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674820 E, 1551786 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer Horiba Model APNA-370 Serial Number XPWS7U3L
Reported Number : ASC198-NOx-2565 **Report Date** : June 7, 2022

Interval Time	Result (ppm)											
	May 22-23, 22			May 23-24, 22			May 24-25, 22			Standard ^{1/}		
10:00 - 11:00	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx
11:00 - 12:00	0.0078	0.0140	0.0218	0.0088	0.0130	0.0218	0.0090	0.0143	0.0233	0.0128	0.0148	0.0233
12:00 - 13:00	0.0040	0.0109	0.0149	0.0065	0.0117	0.0182	0.0068	0.0128	0.0196	0.0128	0.0148	0.0196
13:00 - 14:00	0.0055	0.0156	0.0211	0.0059	0.0131	0.0190	0.0102	0.0130	0.0232	0.0130	0.0130	0.0232
14:00 - 15:00	0.0053	0.0151	0.0204	0.0049	0.0114	0.0163	0.0050	0.0130	0.0170	0.0130	0.0130	0.0170
15:00 - 16:00	0.0036	0.0135	0.0171	0.0057	0.0107	0.0164	0.0046	0.0113	0.0159	0.0113	0.0113	0.0159
16:00 - 17:00	0.0038	0.0119	0.0157	0.0054	0.0106	0.0160	0.0043	0.0126	0.0169	0.0126	0.0126	0.0169
17:00 - 18:00	0.0042	0.0136	0.0178	0.0057	0.0109	0.0166	0.0034	0.0117	0.0151	0.0117	0.0117	0.0151
18:00 - 19:00	0.0047	0.0141	0.0188	0.0061	0.0128	0.0189	0.0039	0.0160	0.0199	0.0160	0.0160	0.0199
19:00 - 20:00	0.0038	0.0154	0.0192	0.0048	0.0159	0.0207	0.0044	0.0177	0.0221	0.0177	0.0177	0.0221
20:00 - 21:00	0.0032	0.0187	0.0219	0.0050	0.0227	0.0277	0.0027	0.0186	0.0213	0.0186	0.0186	0.0213
21:00 - 22:00	0.0034	0.0184	0.0218	0.0096	0.0289	0.0385	0.0054	0.0241	0.0295	0.0241	0.0241	0.0295
22:00 - 23:00	0.0037	0.0189	0.0226	0.0097	0.0256	0.0353	0.0055	0.0197	0.0252	0.0197	0.0197	0.0252
23:00 - 00:00	0.0034	0.0210	0.0244	0.0083	0.0223	0.0306	0.0050	0.0208	0.0258	0.0208	0.0208	0.0258
00:00 - 01:00	0.0034	0.0214	0.0248	0.0086	0.0212	0.0298	0.0054	0.0200	0.0254	0.0200	0.0200	0.0254
01:00 - 02:00	0.0033	0.0191	0.0224	0.0072	0.0173	0.0245	0.0040	0.0212	0.0252	0.0212	0.0212	0.0252
02:00 - 03:00	0.0030	0.0148	0.0178	0.0051	0.0149	0.0200	0.0044	0.0214	0.0258	0.0214	0.0214	0.0258
03:00 - 04:00	0.0025	0.0104	0.0129	0.0053	0.0144	0.0197	0.0037	0.0205	0.0242	0.0205	0.0205	0.0242
04:00 - 05:00	0.0030	0.0144	0.0154	0.0063	0.0146	0.0209	0.0029	0.0196	0.0225	0.0196	0.0196	0.0225
05:00 - 06:00	0.0032	0.0173	0.0223	0.0110	0.0181	0.0271	0.0050	0.0225	0.0275	0.0225	0.0225	0.0275
06:00 - 07:00	0.0050	0.0173	0.0223	0.0110	0.0181	0.0271	0.0050	0.0225	0.0275	0.0225	0.0225	0.0275
07:00 - 08:00	0.0115	0.0225	0.0340	0.0119	0.0197	0.0316	0.0091	0.0196	0.0287	0.0196	0.0196	0.0287
08:00 - 09:00	0.0195	0.0229	0.0424	0.0281	0.0205	0.0486	0.0109	0.0190	0.0299	0.0190	0.0190	0.0299
09:00 - 10:00	0.0232	0.0230	0.0462	0.0184	0.0174	0.0358	0.0093	0.0164	0.0257	0.0164	0.0164	0.0257
24 Hours Average	0.0061	0.0166	0.0227	0.0088	0.0168	0.0256	0.0059	0.0176	0.0235	0.0176	0.0176	0.0235
1 Hour Maximum	0.0232	0.0230	0.0462	0.0184	0.0174	0.0358	0.0093	0.0164	0.0257	0.0164	0.0164	0.0257

Remark : 1/ Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 12D dated May 25, B.E.2538 (1995), Notification No.28, B.E.2550 (2007), published in the Royal Government Gazette No.124 Special Part 38D dated May 14, B.E.2550 (2007) and Notification No.33, B.E.2552 (2009), published in the Royal Government Gazette No.126 Special Part 114D dated August 14, B.E.2552 (2009), under the Biochemical and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer

Laboratory Supervisor

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Page 2/3

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 ECO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Provinces Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Klong Nueng School (Kaew Nimit), Village no. 4, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674820 E, 1551786 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Customer Name : SO₂ UV-Fluorescence Analyzer Horiba Model APSA-370 Serial Number J000EMWB
Reported Number : ASC/198-SO₂-2565 **Report Date** : June 7, 2022

Interval Time	Result SO ₂ (ppm)										Standard
	May 18-19, 22	May 19-20, 22	May 20-21, 22	May 21-22, 22	May 22-23, 22	May 23-24, 22	May 24-25, 22	May 25-26, 22	May 26-27, 22	May 27-28, 22	
10:00 - 11:00	0.0016	0.0018	0.0016	0.0017	0.0016	0.0017	0.0028	0.0021			
11:00 - 12:00	0.0017	0.0016	0.0017	0.0017	0.0019	0.0020	0.0019	0.0019			
12:00 - 13:00	0.0018	0.0017	0.0017	0.0017	0.0019	0.0021	0.0021	0.0018			
13:00 - 14:00	0.0016	0.0016	0.0016	0.0016	0.0018	0.0020	0.0020	0.0017			
14:00 - 15:00	0.0016	0.0015	0.0015	0.0019	0.0022	0.0017	0.0017	0.0017			
15:00 - 16:00	0.0015	0.0014	0.0015	0.0020	0.0018	0.0017	0.0020	0.0020			
16:00 - 17:00	0.0015	0.0015	0.0015	0.0018	0.0015	0.0016	0.0016	0.0021			
17:00 - 18:00	0.0015	0.0015	0.0016	0.0018	0.0016	0.0017	0.0017	0.0021			
18:00 - 19:00	0.0014	0.0015	0.0015	0.0015	0.0016	0.0017	0.0025	0.0025			
19:00 - 20:00	0.0014	0.0016	0.0015	0.0018	0.0019	0.0019	0.0019	0.0020			
20:00 - 21:00	0.0016	0.0015	0.0015	0.0015	0.0016	0.0020	0.0021	0.0021			
21:00 - 22:00	0.0017	0.0014	0.0015	0.0019	0.0019	0.0019	0.0021	0.0019			
22:00 - 23:00	0.0016	0.0014	0.0017	0.0021	0.0020	0.0020	0.0021	0.0021			
23:00 - 00:00	0.0015	0.0014	0.0017	0.0020	0.0019	0.0020	0.0020	0.0019			
00:00 - 01:00	0.0016	0.0014	0.0014	0.0019	0.0019	0.0020	0.0020	0.0020			
01:00 - 02:00	0.0016	0.0019	0.0015	0.0021	0.0021	0.0025	0.0020	0.0034			
02:00 - 03:00	0.0015	0.0026	0.0015	0.0021	0.0017	0.0018	0.0018	0.0022			
03:00 - 04:00	0.0016	0.0022	0.0016	0.0018	0.0022	0.0020	0.0020	0.0026			
04:00 - 05:00	0.0015	0.0017	0.0016	0.0020	0.0020	0.0026	0.0026	0.0035			
05:00 - 06:00	0.0015	0.0017	0.0018	0.0019	0.0021	0.0028	0.0046	0.0046			
06:00 - 07:00	0.0015	0.0017	0.0019	0.0019	0.0029	0.0031	0.0028	0.0028			
07:00 - 08:00	0.0016	0.0018	0.0021	0.0019	0.0045	0.0043	0.0023	0.0023			
08:00 - 09:00	0.0015	0.0018	0.0021	0.0020	0.0034	0.0033	0.0020	0.0020			
09:00 - 10:00	0.0016	0.0018	0.0019	0.0018	0.0031	0.0026	0.0019	0.0019			
24 Hours Average	0.0016	0.0017	0.0017	0.0019	0.0022	0.0023	0.0023	0.0023			
1 Hour Maximum	0.0018	0.0026	0.0021	0.0021	0.0045	0.0043	0.0046	0.0046			

Remark : 1/ Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 420 dated May 25, B.E.2538 (1995), under the Enhancement and Conservation of National Environmental Quality, Act B.E.2535 (1992).
2/ Notification of National Environmental Board, No.12, B.E.2538 (1995), published in the Royal Government Gazette No.112 Special Part 27D dated July 13, B.E.2538 (1995) and Notification No.21, B.E.2544 (2001), published in the Royal Government Gazette No.118 Special Part 39D dated March 30, B.E.2544 (2001), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer

Laboratory Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 ECO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Provinces Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District, Muang Pathum Thani District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0666793 E, 1551647 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer API Model 200A Serial Number 1650
Reported Number : ASC/199-NOx-2565 **Report Date** : June 7, 2022

Interval Time	Result (ppm)										May 21-22, 21
	May 18-19, 21	May 19-20, 21	May 20-21, 21	May 21-22, 21	May 22-23, 21	May 23-24, 21	May 24-25, 21	May 25-26, 21	May 26-27, 21	May 27-28, 21	
09:00 - 10:00	0.0065	0.0122	0.0187	0.0201	0.0048	0.0103	0.0151	0.0058	0.0123	0.0181	
10:00 - 11:00	0.0061	0.0109	0.0170	0.0055	0.0098	0.0153	0.0162	0.0055	0.0101	0.0156	
11:00 - 12:00	0.0046	0.0092	0.0138	0.0060	0.0127	0.0187	0.0147	0.0040	0.0088	0.0128	
12:00 - 13:00	0.0040	0.0096	0.0136	0.0046	0.0117	0.0163	0.0106	0.0141	0.0035	0.0104	
13:00 - 14:00	0.0031	0.0092	0.0123	0.0032	0.0100	0.0132	0.0094	0.0126	0.0041	0.0109	
14:00 - 15:00	0.0028	0.0088	0.0116	0.0034	0.0070	0.0104	0.0091	0.0122	0.0049	0.0117	
15:00 - 16:00	0.0027	0.0107	0.0134	0.0025	0.0078	0.0103	0.0033	0.0075	0.0108	0.0104	
16:00 - 17:00	0.0045	0.0142	0.0187	0.0055	0.0126	0.0181	0.0054	0.0103	0.0157	0.0036	
17:00 - 18:00	0.0037	0.0184	0.0221	0.0034	0.0111	0.0145	0.0050	0.0119	0.0169	0.0031	
18:00 - 19:00	0.0028	0.0134	0.0162	0.0035	0.0126	0.0161	0.0040	0.0138	0.0178	0.0037	
19:00 - 20:00	0.0047	0.0169	0.0216	0.0037	0.0158	0.0195	0.0028	0.0143	0.0171	0.0029	
20:00 - 21:00	0.0081	0.0187	0.0268	0.0038	0.0142	0.0180	0.0031	0.0142	0.0173	0.0035	
21:00 - 22:00	0.0128	0.0200	0.0328	0.0045	0.0152	0.0197	0.0033	0.0151	0.0184	0.0029	
22:00 - 23:00	0.0127	0.0185	0.0312	0.0027	0.0132	0.0159	0.0031	0.0143	0.0174	0.0029	
23:00 - 00:00	0.0076	0.0164	0.0240	0.0021	0.0114	0.0135	0.0031	0.0155	0.0186	0.0027	
00:00 - 01:00	0.0052	0.0160	0.0212	0.0022	0.0104	0.0126	0.0034	0.0152	0.0186	0.0028	
01:00 - 02:00	0.0084	0.0154	0.0238	0.0026	0.0109	0.0135	0.0032	0.0129	0.0161	0.0028	
02:00 - 03:00	0.0172	0.0174	0.0346	0.0024	0.0113	0.0137	0.0032	0.0133	0.0165	0.0029	
03:00 - 04:00	0.0088	0.0154	0.0242	0.0025	0.0130	0.0155	0.0033	0.0125	0.0158	0.0028	
04:00 - 05:00	0.0025	0.0123	0.0148	0.0029	0.0111	0.0140	0.0036	0.0120	0.0156	0.0036	
05:00 - 06:00	0.0027	0.0101	0.0128	0.0038	0.0134	0.0172	0.0048	0.0148	0.0196	0.0033	
06:00 - 07:00	0.0027	0.0121	0.0148	0.0027	0.0110	0.0137	0.0058	0.0167	0.0225	0.0042	
07:00 - 08:00	0.0032	0.0133	0.0185	0.0051	0.0135	0.0186	0.0061	0.0172	0.0233	0.0066	
08:00 - 09:00	0.0085	0.0129	0.0217	0.0139	0.0150	0.0289	0.0081	0.0163	0.0244	0.0071	
24 Hours Average	0.0062	0.0138	0.0200	0.0042	0.0119	0.0161	0.0041	0.0129	0.0170	0.0039	
1 Hour Maximum	0.0072	0.0200	0.0346	0.0139	0.0158	0.0289	0.0081	0.0172	0.0244	0.0071	

Remark : 1/ Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 420 dated May 25, B.E.2538 (1995), under the Enhancement and Conservation of National Environmental Quality, Act B.E.2535 (1992).
2/ Notification of National Environmental Board, No.12, B.E.2538 (1995), published in the Royal Government Gazette No.124 Special Part 38D dated May 14, B.E.2550 (2007) and Notification No.33, B.E.2552 (2007), published in the Royal Government Gazette No.126 Special Part 17H dated August 14, B.E.2552 (2009), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District, Muang Pathum Thani District, Pathum Thani Province

GPS. Coordinate : UTM (WGS84) 47P 0668793 E, 1551647 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer API Model 200A Serial Number 1850
Reported Number : ASC199-NOx-2565 Report Date : June 7, 2022

Interval Time	Result (ppm)										Standard ^{1/}
	May 23-23, 22			May 23-24, 22			May 24-25, 22				
	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx		
09:00 - 10:00	0.0059	0.0148	0.0207	0.0089	0.0156	0.0245	0.0072	0.0128	0.0200	NO ₂ ≤ 0.17	
10:00 - 11:00	0.0040	0.0094	0.0134	0.0057	0.0098	0.0155	0.0043	0.0084	0.0127		
11:00 - 12:00	0.0027	0.0085	0.0112	0.0037	0.0078	0.0115	0.0036	0.0082	0.0118		
12:00 - 13:00	0.0030	0.0096	0.0126	0.0033	0.0080	0.0113	0.0035	0.0077	0.0112		
13:00 - 14:00	0.0032	0.0101	0.0133	0.0037	0.0079	0.0116	0.0031	0.0078	0.0109		
14:00 - 15:00	0.0027	0.0091	0.0118	0.0034	0.0074	0.0108	0.0032	0.0079	0.0111		
15:00 - 16:00	0.0031	0.0074	0.0105	0.0036	0.0081	0.0117	0.0032	0.0085	0.0117		
16:00 - 17:00	0.0029	0.0081	0.0110	0.0035	0.0094	0.0149	0.0033	0.0102	0.0135		
17:00 - 18:00	0.0031	0.0088	0.0119	0.0037	0.0084	0.0121	0.0031	0.0107	0.0138		
18:00 - 19:00	0.0042	0.0160	0.0202	0.0038	0.0113	0.0151	0.0040	0.0159	0.0199		
19:00 - 20:00	0.0039	0.0210	0.0249	0.0063	0.0167	0.0230	0.0030	0.0143	0.0173		
20:00 - 21:00	0.0028	0.0131	0.0159	0.0035	0.0197	0.0232	0.0030	0.0155	0.0185		
21:00 - 22:00	0.0032	0.0142	0.0174	0.0034	0.0188	0.0222	0.0028	0.0147	0.0175		
22:00 - 23:00	0.0027	0.0141	0.0168	0.0042	0.0212	0.0254	0.0025	0.0144	0.0169		
23:00 - 00:00	0.0029	0.0171	0.0200	0.0042	0.0187	0.0229	0.0033	0.0190	0.0223		
00:00 - 01:00	0.0030	0.0142	0.0172	0.0038	0.0162	0.0200	0.0028	0.0136	0.0164		
01:00 - 02:00	0.0025	0.0107	0.0132	0.0033	0.0129	0.0162	0.0024	0.0144	0.0168		
02:00 - 03:00	0.0025	0.0079	0.0104	0.0030	0.0121	0.0151	0.0032	0.0164	0.0196		
03:00 - 04:00	0.0023	0.0101	0.0124	0.0027	0.0123	0.0150	0.0034	0.0155	0.0189		
04:00 - 05:00	0.0023	0.0105	0.0128	0.0036	0.0129	0.0165	0.0029	0.0168	0.0197		
05:00 - 06:00	0.0032	0.0144	0.0176	0.0046	0.0157	0.0203	0.0034	0.0165	0.0199		
06:00 - 07:00	0.0033	0.0174	0.0207	0.0068	0.0184	0.0252	0.0025	0.0143	0.0168		
07:00 - 08:00	0.0066	0.0240	0.0246	0.0134	0.0185	0.0319	0.0036	0.0134	0.0170		
08:00 - 09:00	0.0165	0.0209	0.0374	0.0188	0.0178	0.0366	0.0044	0.0129	0.0173		
24 Hours Average	0.0039	0.0127	0.0166	0.0053	0.0136	0.0189	0.0072	0.0129	0.0163		
1 Hour Maximum	0.0165	0.0210	0.0374	0.0188	0.0212	0.0366	0.0072	0.0190	0.0223		

Remark : ^{1/} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 2D dated May 25, B.E.2538 (1995), Notification No.28, B.E.2550 (2007), published in the Royal Government Gazette No.124 Special Part 3D dated May 14, B.E.2550 (2007) and Notification No.33, B.E.2552 (2009), published in the Royal Government Gazette No.126 Special Part 11D dated August 14, B.E.2552 (2009), under the Enhancement and Conservation of National Environmental Quality Act B.E.2538 (1995).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District, Muang Pathum Thani District, Pathum Thani Province

GPS. Coordinate : UTM (WGS84) 47P 0668793 E, 1551647 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : SO₂ UV-Fluorescence Analyzer Thermo Model 43C Serial Number 0335804022
Reported Number : ASC199-SO₂-2565 Report Date : June 7, 2022

Interval Time	Result SO ₂ (ppm)										Standard
	May 18-19, 22	May 19-20, 22	May 20-21, 22	May 21-22, 22	May 22-23, 22	May 23-24, 22	May 24-25, 22	May 25-26, 22	May 26-27, 22	May 27-28, 22	
09:00 - 10:00	0.0020	0.0015	0.0015	0.0021	0.0026	0.0071	0.0071	0.0071	0.0036	0.0036	
10:00 - 11:00	0.0018	0.0014	0.0015	0.0017	0.0024	0.0036	0.0036	0.0036	0.0022	0.0022	
11:00 - 12:00	0.0017	0.0014	0.0015	0.0014	0.0023	0.0023	0.0023	0.0023	0.0019	0.0019	
12:00 - 13:00	0.0016	0.0014	0.0016	0.0016	0.0019	0.0022	0.0022	0.0022	0.0017	0.0017	
13:00 - 14:00	0.0016	0.0014	0.0015	0.0016	0.0026	0.0026	0.0026	0.0026	0.0020	0.0020	
14:00 - 15:00	0.0016	0.0014	0.0014	0.0051	0.0027	0.0018	0.0018	0.0018	0.0020	0.0020	
15:00 - 16:00	0.0017	0.0014	0.0014	0.0028	0.0015	0.0017	0.0017	0.0017	0.0023	0.0023	
16:00 - 17:00	0.0015	0.0023	0.0015	0.0024	0.0013	0.0016	0.0016	0.0016	0.0022	0.0022	
17:00 - 18:00	0.0015	0.0014	0.0018	0.0019	0.0028	0.0024	0.0024	0.0024	0.0022	0.0022	
18:00 - 19:00	0.0013	0.0014	0.0034	0.0014	0.0089	0.0116	0.0116	0.0116	0.0019	0.0019	
19:00 - 20:00	0.0015	0.0013	0.0035	0.0014	0.0129	0.0067	0.0067	0.0067	0.0018	0.0018	
20:00 - 21:00	0.0014	0.0017	0.0025	0.0016	0.0067	0.0023	0.0023	0.0023	0.0019	0.0019	
21:00 - 22:00	0.0017	0.0072	0.0021	0.0014	0.0091	0.0031	0.0031	0.0031	0.0017	0.0017	
22:00 - 23:00	0.0017	0.0038	0.0023	0.0015	0.0072	0.0033	0.0033	0.0033	0.0018	0.0018	
23:00 - 00:00	0.0017	0.0016	0.0027	0.0015	0.0047	0.0027	0.0027	0.0027	0.0018	0.0018	
00:00 - 01:00	0.0016	0.0056	0.0024	0.0024	0.0045	0.0023	0.0023	0.0023	0.0023	0.0023	
01:00 - 02:00	0.0016	0.0031	0.0023	0.0025	0.0032	0.0021	0.0021	0.0021	0.0020	0.0020	
02:00 - 03:00	0.0018	0.0016	0.0023	0.0028	0.0024	0.0018	0.0018	0.0018	0.0018	0.0018	
03:00 - 04:00	0.0016	0.0018	0.0026	0.0031	0.0023	0.0019	0.0019	0.0019	0.0019	0.0019	
04:00 - 05:00	0.0016	0.0013	0.0020	0.0031	0.0022	0.0017	0.0017	0.0017	0.0024	0.0024	
05:00 - 06:00	0.0016	0.0015	0.0019	0.0035	0.0031	0.0020	0.0020	0.0020	0.0025	0.0025	
06:00 - 07:00	0.0015	0.0014	0.0018	0.0036	0.0037	0.0035	0.0035	0.0035	0.0020	0.0020	
07:00 - 08:00	0.0015	0.0014	0.0024	0.0062	0.0049	0.0075	0.0075	0.0075	0.0023	0.0023	
08:00 - 09:00	0.0017	0.0016	0.0023	0.0055	0.0106	0.0063	0.0063	0.0063	0.0020	0.0020	
24 Hours Average	0.0016	0.0021	0.0021	0.0026	0.0044	0.0035	0.0035	0.0035	0.0021	0.0021	
1 Hour Maximum	0.0020	0.0072	0.0035	0.0062	0.0129	0.0116	0.0116	0.0116	0.0036	0.0036	

Remark : ^{1/} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 42D dated May 25, B.E.2538 (1995), Notification No.28, B.E.2550 (2007), published in the Royal Government Gazette No.124 Special Part 10D dated September 23, B.E.2547 (2004), under the Enhancement and Conservation of National Environmental Quality Act B.E.2538 (1995).
^{2/} Notification of National Environmental Board, No.12, B.E.2538 (1995), published in the Royal Government Gazette No.112 Special Part 27D dated July 13, B.E.2538 (1995) and Notification No.21, B.E.2544 (2001), published in the Royal Government Gazette No.118 Special Part 39D dated May 30, B.E.2544 (2001), under the Enhancement and Conservation of National Environmental Quality Act B.E.2538 (1995).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueang Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Saeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province

GPS. Coordinate : UTM (WGS84) 47P 0677581 E, 1548956 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer Horiba Model APNA-370 Serial Number FC2E28YU
Reported Number : ASC200-NOx-2565 **Report Date** : June 7, 2022

Interval Time	Result (ppm)											
	May 18-19, 22			May 19-20, 22			May 20-21, 22			May 21-22, 22		
12:00 - 13:00	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx
13:00 - 14:00	0.0028	0.0054	0.0082	0.0038	0.0118	0.0156	0.0091	0.0123	0.0034	0.0106	0.0110	0.0140
14:00 - 15:00	0.0029	0.0065	0.0094	0.0035	0.0086	0.0121	0.0031	0.0076	0.0107	0.0042	0.0110	0.0152
15:00 - 16:00	0.0028	0.0067	0.0095	0.0030	0.0080	0.0110	0.0033	0.0083	0.0116	0.0032	0.0094	0.0126
16:00 - 17:00	0.0030	0.0130	0.0160	0.0033	0.0101	0.0134	0.0034	0.0099	0.0133	0.0029	0.0083	0.0112
17:00 - 18:00	0.0033	0.0155	0.0188	0.0030	0.0099	0.0129	0.0034	0.0098	0.0132	0.0030	0.0097	0.0127
18:00 - 19:00	0.0030	0.0086	0.0118	0.0032	0.0121	0.0153	0.0031	0.0095	0.0136	0.0035	0.0104	0.0139
19:00 - 20:00	0.0038	0.0163	0.0201	0.0036	0.0147	0.0183	0.0036	0.0159	0.0195	0.0036	0.0117	0.0153
20:00 - 21:00	0.0034	0.0121	0.0155	0.0031	0.0120	0.0151	0.0031	0.0158	0.0189	0.0033	0.0161	0.0194
21:00 - 22:00	0.0038	0.0126	0.0164	0.0029	0.0106	0.0135	0.0031	0.0163	0.0194	0.0034	0.0183	0.0217
22:00 - 23:00	0.0036	0.0149	0.0185	0.0027	0.0103	0.0130	0.0031	0.0158	0.0189	0.0035	0.0134	0.0169
23:00 - 00:00	0.0055	0.0185	0.0210	0.0027	0.0114	0.0141	0.0029	0.0118	0.0078	0.0191	0.0124	0.0209
00:00 - 01:00	0.0051	0.0147	0.0198	0.0027	0.0091	0.0119	0.0028	0.0132	0.0160	0.0094	0.0100	0.0194
01:00 - 02:00	0.0078	0.0195	0.0273	0.0027	0.0098	0.0125	0.0028	0.0130	0.0159	0.0028	0.0104	0.0132
02:00 - 03:00	0.0028	0.0098	0.0126	0.0027	0.0109	0.0136	0.0029	0.0101	0.0130	0.0057	0.0150	0.0207
03:00 - 04:00	0.0030	0.0106	0.0136	0.0029	0.0103	0.0132	0.0027	0.0090	0.0117	0.0028	0.0102	0.0130
04:00 - 05:00	0.0027	0.0075	0.0102	0.0031	0.0106	0.0137	0.0030	0.0109	0.0139	0.0030	0.0115	0.0145
05:00 - 06:00	0.0027	0.0073	0.0100	0.0039	0.0120	0.0159	0.0038	0.0179	0.0217	0.0059	0.0196	0.0255
06:00 - 07:00	0.0028	0.0088	0.0116	0.0031	0.0107	0.0138	0.0053	0.0174	0.0227	0.0036	0.0149	0.0185
07:00 - 08:00	0.0031	0.0113	0.0144	0.0039	0.0151	0.0190	0.0072	0.0210	0.0282	0.0111	0.0184	0.0295
08:00 - 09:00	0.0036	0.0112	0.0148	0.0052	0.0178	0.0230	0.0079	0.0222	0.0301	0.0172	0.0124	0.0296
09:00 - 10:00	0.0036	0.0100	0.0136	0.0040	0.0138	0.0178	0.0042	0.0154	0.0196	0.0156	0.0193	0.0349
10:00 - 11:00	0.0037	0.0109	0.0146	0.0032	0.0095	0.0127	0.0035	0.0115	0.0150	0.0186	0.0267	0.0453
11:00 - 12:00	0.0034	0.0108	0.0142	0.0033	0.0119	0.0132	0.0033	0.0093	0.0126	0.0198	0.0228	0.0426
24 Hours Average	0.0037	0.0118	0.0155	0.0033	0.0113	0.0146	0.0037	0.0130	0.0167	0.0075	0.0149	0.0224
1 Hour Maximum	0.0078	0.0195	0.0273	0.0052	0.0178	0.0230	0.0079	0.0222	0.0301	0.0222	0.0285	0.0507

Remark : ^{1/} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 24D dated May 25, B.E.2538 (1995), Notification No.28, B.E.2550 (2007), published in the Royal Government Gazette No.124 Special Part 38D dated May 14, B.E.2550 (2007) and Notification No.33, B.E.2552 (2009), published in the Royal Government Gazette No.126 Special Part 114D dated August 14, B.E.2552 (2009), under the Biochemical and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer

Laboratory Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

Page 1/2

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueang Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Saeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province

GPS. Coordinate : UTM (WGS84) 47P 0677581 E, 1548956 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer Horiba Model APNA-370 Serial Number FC2E28YU
Reported Number : ASC200-NOx-2565 **Report Date** : June 7, 2022

Interval Time	Result (ppm)											
	May 22-23, 22			May 23-24, 22			May 24-25, 22			Standard ^{1/}		
12:00 - 13:00	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx
13:00 - 14:00	0.0434	0.0275	0.0709	0.0035	0.0089	0.0124	0.0037	0.0096	0.0133	0.0124	0.0037	0.0133
14:00 - 15:00	0.0475	0.0243	0.0718	0.0036	0.0067	0.0103	0.0037	0.0100	0.0137	0.0103	0.0037	0.0137
15:00 - 16:00	0.0238	0.0277	0.0515	0.0037	0.0067	0.0104	0.0033	0.0082	0.0115	0.0104	0.0033	0.0115
16:00 - 17:00	0.0088	0.0185	0.0273	0.0038	0.0074	0.0112	0.0029	0.0089	0.0118	0.0104	0.0030	0.0113
17:00 - 18:00	0.0035	0.0114	0.0149	0.0034	0.0082	0.0116	0.0030	0.0107	0.0137	0.0112	0.0029	0.0137
18:00 - 19:00	0.0033	0.0138	0.0171	0.0033	0.0112	0.0145	0.0029	0.0132	0.0161	0.0132	0.0029	0.0161
19:00 - 20:00	0.0029	0.0164	0.0193	0.0031	0.0182	0.0213	0.0031	0.0164	0.0195	0.0213	0.0031	0.0195
20:00 - 21:00	0.0029	0.0139	0.0168	0.0036	0.0233	0.0269	0.0040	0.0201	0.0241	0.0269	0.0040	0.0241
21:00 - 22:00	0.0029	0.0153	0.0182	0.0036	0.0222	0.0258	0.0031	0.0163	0.0194	0.0258	0.0031	0.0194
22:00 - 23:00	0.0030	0.0151	0.0181	0.0033	0.0177	0.0210	0.0030	0.0173	0.0204	0.0210	0.0030	0.0204
23:00 - 00:00	0.0030	0.0182	0.0212	0.0036	0.0190	0.0226	0.0030	0.0165	0.0195	0.0226	0.0030	0.0195
00:00 - 01:00	0.0029	0.0109	0.0138	0.0037	0.0149	0.0186	0.0028	0.0123	0.0151	0.0186	0.0028	0.0151
01:00 - 02:00	0.0029	0.0102	0.0131	0.0030	0.0117	0.0147	0.0028	0.0145	0.0173	0.0147	0.0028	0.0173
02:00 - 03:00	0.0028	0.0083	0.0111	0.0030	0.0104	0.0134	0.0029	0.0144	0.0173	0.0134	0.0029	0.0173
03:00 - 04:00	0.0028	0.0076	0.0104	0.0029	0.0108	0.0137	0.0029	0.0156	0.0185	0.0137	0.0029	0.0185
04:00 - 05:00	0.0028	0.0084	0.0112	0.0033	0.0134	0.0167	0.0029	0.0156	0.0185	0.0167	0.0029	0.0185
05:00 - 06:00	0.0029	0.0125	0.0154	0.0034	0.0137	0.0171	0.0030	0.0180	0.0210	0.0171	0.0030	0.0210
06:00 - 07:00	0.0036	0.0185	0.0221	0.0087	0.0196	0.0283	0.0032	0.0180	0.0210	0.0283	0.0032	0.0210
07:00 - 08:00	0.0082	0.0252	0.0334	0.0141	0.0233	0.0374	0.0041	0.0175	0.0216	0.0374	0.0041	0.0216
08:00 - 09:00	0.0110	0.0283	0.0393	0.0123	0.0254	0.0377	0.0043	0.0156	0.0199	0.0377	0.0043	0.0199
09:00 - 10:00	0.0051	0.0165	0.0216	0.0054	0.0189	0.0243	0.0044	0.0163	0.0207	0.0243	0.0044	0.0207
10:00 - 11:00	0.0044	0.0094	0.0138	0.0037	0.0115	0.0152	0.0035	0.0116	0.0151	0.0152	0.0035	0.0151
11:00 - 12:00	0.0035	0.0072	0.0107	0.0033	0.0100	0.0133	0.0033	0.0094	0.0129	0.0107	0.0033	0.0129
24 Hours Average	0.0103	0.0164	0.0267	0.0045	0.0142	0.0187	0.0044	0.0138	0.0171	0.0267	0.0044	0.0171
1 Hour Maximum	0.0487	0.0283	0.0768	0.0141	0.0254	0.0377	0.0044	0.0138	0.0171	0.0487	0.0044	0.0171

Remark : ^{1/} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 24D dated May 25, B.E.2538 (1995), Notification No.28, B.E.2550 (2007), published in the Royal Government Gazette No.124 Special Part 38D dated May 14, B.E.2550 (2007) and Notification No.33, B.E.2552 (2009), published in the Royal Government Gazette No.126 Special Part 114D dated August 14, B.E.2552 (2009), under the Biochemical and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer

Laboratory Supervisor

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

Page 2/3

Customer Name : Klong Luang Utilities Company Limited
Address : 222 ECO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Saeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0677581 E, 1548956 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : SO₂ UV-Fluorescence Analyzer Horiba Model APSA-370 Serial Number G5XCFUN6
Reported Number : ASC200-SO₂-2565 **Report Date** : June 7, 2022

ANALYSIS REPORT

Interval Time	Result SO ₂ (ppm)										Standard
	May 18-19, 22	May 19-20, 22	May 20-21, 22	May 21-22, 22	May 22-23, 22	May 23-24, 22	May 24-25, 22	May 25-26, 22	May 26-27, 22	May 27-28, 22	
12:00 - 13:00	0.0017	0.0016	0.0017	0.0017	0.0042	0.0020	0.0020	0.0020	0.0020	0.0020	
13:00 - 14:00	0.0017	0.0015	0.0017	0.0017	0.0044	0.0019	0.0020	0.0020	0.0020	0.0020	
14:00 - 15:00	0.0017	0.0015	0.0017	0.0017	0.0045	0.0019	0.0020	0.0020	0.0020	0.0020	
15:00 - 16:00	0.0016	0.0016	0.0017	0.0018	0.0033	0.0020	0.0021	0.0021	0.0021	0.0021	
16:00 - 17:00	0.0016	0.0016	0.0016	0.0018	0.0023	0.0020	0.0021	0.0021	0.0021	0.0021	
17:00 - 18:00	0.0016	0.0016	0.0017	0.0018	0.0018	0.0020	0.0020	0.0021	0.0021	0.0021	
18:00 - 19:00	0.0016	0.0016	0.0018	0.0018	0.0018	0.0021	0.0021	0.0021	0.0021	0.0021	
19:00 - 20:00	0.0015	0.0016	0.0017	0.0018	0.0018	0.0021	0.0021	0.0021	0.0021	0.0021	
20:00 - 21:00	0.0016	0.0016	0.0017	0.0017	0.0019	0.0021	0.0021	0.0021	0.0021	0.0021	
21:00 - 22:00	0.0016	0.0016	0.0017	0.0018	0.0019	0.0022	0.0022	0.0022	0.0022	0.0022	
22:00 - 23:00	0.0016	0.0016	0.0017	0.0018	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
23:00 - 00:00	0.0016	0.0016	0.0016	0.0020	0.0019	0.0021	0.0021	0.0021	0.0021	0.0021	
00:00 - 01:00	0.0016	0.0017	0.0018	0.0018	0.0019	0.0021	0.0021	0.0021	0.0021	0.0021	
01:00 - 02:00	0.0016	0.0017	0.0018	0.0018	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
02:00 - 03:00	0.0017	0.0017	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
03:00 - 04:00	0.0017	0.0017	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
04:00 - 05:00	0.0017	0.0018	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
05:00 - 06:00	0.0016	0.0017	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
06:00 - 07:00	0.0017	0.0018	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
07:00 - 08:00	0.0017	0.0017	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
08:00 - 09:00	0.0017	0.0017	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
09:00 - 10:00	0.0017	0.0018	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
10:00 - 11:00	0.0018	0.0017	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0021	
11:00 - 12:00	0.0017	0.0016	0.0017	0.0018	0.0034	0.0019	0.0021	0.0022	0.0022	0.0022	
24 Hours Average	0.0016	0.0017	0.0017	0.0017	0.0021	0.0023	0.0021	0.0021	0.0021	0.0021	0.12/
1 Hour Maximum	0.0018	0.0018	0.0018	0.0018	0.0037	0.0045	0.0045	0.0045	0.0045	0.0045	0.30/

Remark : 1/ Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 420 dated May 25, B.E.2538 (1995), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).
2/ Notification of National Environmental Board, No.12, B.E.2538 (1995), published in the Royal Government Gazette No.112 Special Part 27D dated July 13, B.E.2538 (1995) and Notification No.21, B.E.2544 (2001), published in the Royal Government Gazette No.118 Special Part 39D dated March 30, B.E.2544 (2001), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer Laboratory Supervisor

Customer Name : Klong Luang Utilities Company Limited
Address : 222 ECO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Learning and Recreation Center of Rangsit City Municipality located in Rattanakosin Song Roi Pi Housing Estate)
GPS. Coordinate : UTM (WGS84) 47P 0673848 E, 1547485 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer Horiba Model APNA-370 Serial Number KCDVY226
Reported Number : ASC201-NOx-2565 **Report Date** : June 7, 2022

ANALYSIS REPORT

Interval Time	Result (ppm)										May 21-22, 22
	May 18-19, 22	May 19-20, 22	May 20-21, 22	May 21-22, 22	May 22-23, 22	May 23-24, 22	May 24-25, 22	May 25-26, 22	May 26-27, 22	May 27-28, 22	
09:00 - 10:00	0.0084	0.0109	0.0203	0.0136	0.0096	0.0122	0.0088	0.0122	0.0210	0.0089	NOx
10:00 - 11:00	0.0084	0.0105	0.0189	0.0122	0.0119	0.0241	0.0073	0.0132	0.0205	0.0085	NOx
11:00 - 12:00	0.0068	0.0112	0.0180	0.0116	0.0152	0.0268	0.0048	0.0142	0.0190	0.0044	NOx
12:00 - 13:00	0.0040	0.0113	0.0153	0.0058	0.0132	0.0190	0.0060	0.0139	0.0199	0.0036	NOx
13:00 - 14:00	0.0031	0.0096	0.0127	0.0051	0.0128	0.0179	0.0037	0.0114	0.0151	0.0037	NOx
14:00 - 15:00	0.0027	0.0111	0.0138	0.0040	0.0122	0.0162	0.0035	0.0103	0.0138	0.0036	NOx
15:00 - 16:00	0.0037	0.0177	0.0214	0.0041	0.0131	0.0172	0.0041	0.0117	0.0158	0.0030	NOx
16:00 - 17:00	0.0066	0.0247	0.0313	0.0046	0.0145	0.0191	0.0045	0.0132	0.0189	0.0033	NOx
17:00 - 18:00	0.0089	0.0235	0.0294	0.0046	0.0145	0.0191	0.0045	0.0132	0.0189	0.0033	NOx
18:00 - 19:00	0.0032	0.0167	0.0199	0.0048	0.0146	0.0194	0.0047	0.0137	0.0204	0.0025	NOx
19:00 - 20:00	0.0032	0.0093	0.0119	0.0047	0.0164	0.0211	0.0035	0.0171	0.0206	0.0038	NOx
20:00 - 21:00	0.0029	0.0109	0.0138	0.0036	0.0135	0.0171	0.0040	0.0177	0.0217	0.0030	NOx
21:00 - 22:00	0.0029	0.0126	0.0155	0.0041	0.0148	0.0189	0.0039	0.0157	0.0196	0.0034	NOx
22:00 - 23:00	0.0167	0.0151	0.0318	0.0028	0.0127	0.0155	0.0031	0.0146	0.0177	0.0027	NOx
23:00 - 00:00	0.0120	0.0139	0.0259	0.0035	0.0140	0.0175	0.0028	0.0145	0.0173	0.0023	NOx
00:00 - 01:00	0.0197	0.0138	0.0335	0.0040	0.0150	0.0190	0.0029	0.0144	0.0173	0.0022	NOx
01:00 - 02:00	0.0221	0.0145	0.0366	0.0045	0.0151	0.0196	0.0027	0.0146	0.0173	0.0023	NOx
02:00 - 03:00	0.0096	0.0138	0.0234	0.0059	0.0143	0.0202	0.0027	0.0157	0.0184	0.0022	NOx
03:00 - 04:00	0.0070	0.0125	0.0195	0.0060	0.0131	0.0191	0.0030	0.0152	0.0182	0.0023	NOx
04:00 - 05:00	0.0046	0.0117	0.0163	0.0119	0.0134	0.0253	0.0057	0.0169	0.0226	0.0023	NOx
05:00 - 06:00	0.0041	0.0116	0.0157	0.0090	0.0138	0.0228	0.0058	0.0179	0.0237	0.0023	NOx
06:00 - 07:00	0.0083	0.0129	0.0212	0.0059	0.0163	0.0222	0.0199	0.0186	0.0295	0.0030	NOx
07:00 - 08:00	0.0148	0.0124	0.0272	0.0142	0.0168	0.0310	0.0149	0.0188	0.0337	0.0040	NOx
08:00 - 09:00	0.0160	0.0110	0.0270	0.0182	0.0145	0.0327	0.0239	0.0183	0.0442	0.0085	NOx
24 Hours Average	0.0082	0.0135	0.0217	0.0070	0.0139	0.0209	0.0060	0.0149	0.0209	0.0036	NOx
1 Hour Maximum	0.0221	0.0247	0.0366	0.0182	0.0168	0.0327	0.0188	0.0442	0.0442	0.0089	NOx

Remark : 1/ Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 420 dated May 25, B.E.2538 (1995), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).
2/ Notification of National Environmental Board, No.12, B.E.2538 (1995), published in the Royal Government Gazette No.124 Special Part 38D dated May 14, B.E.2550 (2007) and Notification No.35, B.E.2552 (2007), published in the Royal Government Gazette No.126 Special Part 114D dated August 14, B.E.2552 (2009), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

Laboratory Reviewer Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Air Quality
Measured Point : Learning and Recreation Center of Rangsit City Municipality located in Rattanakosin Song Roi Pi Housing Estate)

GPS, Coordinate : UTM (WGS84) 47P 0673848 E, 1547485 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : NOx Chemiluminescence Analyzer Horiba Model APNA-370 Serial Number KCDVY226
Reported Number : ASC201-NOx-2565 **Report Date** : June 7, 2022

Interval Time	May 23-23, 22						May 23-24, 22						May 24-25, 22						Standard ^{1/}
	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx	NO	NO ₂	NOx				
09:00 - 10:00	0.0060	0.0150	0.0210	0.0065	0.0128	0.0197	0.0086	0.0133	0.0219										
10:00 - 11:00	0.0038	0.0109	0.0147	0.0055	0.0115	0.0170	0.0073	0.0121	0.0194										
11:00 - 12:00	0.0029	0.0110	0.0139	0.0040	0.0108	0.0148	0.0046	0.0118	0.0164										
12:00 - 13:00	0.0034	0.0128	0.0162	0.0028	0.0099	0.0127	0.0038	0.0104	0.0142										
13:00 - 14:00	0.0030	0.0123	0.0153	0.0031	0.0105	0.0136	0.0036	0.0102	0.0138										
14:00 - 15:00	0.0026	0.0114	0.0140	0.0029	0.0099	0.0128	0.0031	0.0092	0.0123										
15:00 - 16:00	0.0028	0.0107	0.0135	0.0028	0.0091	0.0119	0.0030	0.0096	0.0126										
16:00 - 17:00	0.0027	0.0096	0.0123	0.0028	0.0092	0.0120	0.0026	0.0095	0.0121										
17:00 - 18:00	0.0029	0.0099	0.0128	0.0024	0.0092	0.0116	0.0022	0.0092	0.0114										
18:00 - 19:00	0.0027	0.0114	0.0141	0.0025	0.0083	0.0108	0.0025	0.0118	0.0143										
19:00 - 20:00	0.0025	0.0135	0.0160	0.0035	0.0145	0.0180	0.0054	0.0227	0.0281										
20:00 - 21:00	0.0025	0.0130	0.0155	0.0038	0.0169	0.0207	0.0025	0.0126	0.0151										
21:00 - 22:00	0.0025	0.0126	0.0161	0.0049	0.0194	0.0243	0.0027	0.0146	0.0173										
22:00 - 23:00	0.0025	0.0145	0.0170	0.0061	0.0206	0.0267	0.0034	0.0191	0.0225										
23:00 - 00:00	0.0030	0.0158	0.0188	0.0040	0.0184	0.0224	0.0027	0.0182	0.0209										
00:00 - 01:00	0.0023	0.0130	0.0153	0.0048	0.0153	0.0201	0.0031	0.0177	0.0208										
01:00 - 02:00	0.0022	0.0122	0.0144	0.0023	0.0112	0.0135	0.0025	0.0174	0.0199										
02:00 - 03:00	0.0021	0.0098	0.0119	0.0032	0.0131	0.0163	0.0025	0.0168	0.0193										
03:00 - 04:00	0.0025	0.0103	0.0128	0.0027	0.0118	0.0145	0.0028	0.0164	0.0192										
04:00 - 05:00	0.0024	0.0104	0.0128	0.0046	0.0131	0.0177	0.0029	0.0153	0.0182										
05:00 - 06:00	0.0040	0.0138	0.0178	0.0079	0.0135	0.0214	0.0047	0.0180	0.0227										
06:00 - 07:00	0.0069	0.0155	0.0224	0.0110	0.0144	0.0254	0.0028	0.0133	0.0161										
07:00 - 08:00	0.0137	0.0156	0.0293	0.0217	0.0149	0.0366	0.0062	0.0148	0.0210										
08:00 - 09:00	0.0128	0.0131	0.0239	0.0193	0.0148	0.0341	0.0036	0.0115	0.0151										
24 Hours Average	0.0039	0.0125	0.0164	0.0056	0.0130	0.0186	0.0037	0.0140	0.0177										
	0.0137	0.0158	0.0293	0.0217	0.0206	0.0366	0.0066	0.0227	0.0281										
1 Hour Maximum																			

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Khlong Nueng School (Kaew Nimit), Village no. 4, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674825 E, 1551785 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC153/2565

Time	Date	May 18-19, 22			May 19-20, 22			May 20-21, 22			May 21-22, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
11:00 - 12:00		30.8	0.9	ENE	31.8	2.7	E	32.1	1.8	SE	32.3	2.2	SE
12:00 - 13:00		31.5	1.3	E	32.9	2.7	E	32.9	2.7	SE	31.8	2.7	SW
13:00 - 14:00		32.2	1.3	ENE	32.8	2.2	SE	33.9	2.7	SSW	30.3	3.1	SW
14:00 - 15:00		32.3	1.3	E	32.7	2.2	SSW	33.4	2.7	SSW	32.0	3.1	SW
15:00 - 16:00		28.2	1.3	SE	32.7	1.8	SE	32.9	2.7	SE	31.9	3.1	SW
16:00 - 17:00		30.3	0.9	SE	32.8	1.8	SSE	30.6	2.7	SE	31.8	3.1	SW
17:00 - 18:00		30.8	0.9	E	32.2	2.2	SE	32.2	2.2	SE	30.7	3.1	SW
18:00 - 19:00		26.9	2.2	SW	31.3	2.2	SE	31.5	2.2	SSW	28.5	1.8	SW
19:00 - 20:00		25.9	1.3	WSW	30.4	2.2	SE	30.6	2.2	SSW	28.7	2.2	SW
20:00 - 21:00		26.2	0.4	W	29.8	2.2	SE	30.2	2.2	SSW	28.4	1.8	SSW
21:00 - 22:00		26.4	0.4	W	29.6	1.8	E	29.7	1.8	SSW	28.2	2.7	SW
22:00 - 23:00		26.6	<0.4	Calm	29.6	1.8	SE	29.5	1.8	SW	27.7	1.3	SSW
23:00 - 00:00		26.7	<0.4	Calm	29.4	1.8	E	29.4	1.3	SSW	27.4	0.9	SSW
00:00 - 01:00		26.6	0.4	W	29.2	1.8	E	29.4	0.9	SE	27.2	1.3	SW
01:00 - 02:00		26.4	0.4	ENE	28.3	1.8	E	29.2	0.9	SSE	26.9	0.9	SW
02:00 - 03:00		26.2	0.4	E	27.9	1.3	E	28.9	0.9	SE	27.2	0.9	SSW
03:00 - 04:00		26.2	0.4	ENE	27.9	0.9	E	28.6	0.4	ESE	27.4	0.9	SSE
04:00 - 05:00		26.3	0.9	ENE	27.5	0.9	ESE	27.9	0.4	E	27.4	0.4	SE
05:00 - 06:00		26.2	0.9	ENE	27.8	0.4	ESE	27.8	0.4	ESE	27.5	0.9	SE
06:00 - 07:00		26.1	0.9	E	27.6	0.4	ESE	27.7	0.4	E	27.1	0.9	E
07:00 - 08:00		26.4	1.8	E	25.2	0.4	E	28.1	0.9	ESE	27.6	0.9	SE
08:00 - 09:00		27.7	2.2	E	30.1	1.8	E	29.4	0.9	E	28.6	1.3	SE
09:00 - 10:00		30.8	2.2	E	32.1	2.2	E	31.0	1.8	SE	29.7	1.8	SSW
10:00 - 11:00		30.6	2.2	E	32.4	1.8	SE	31.9	2.2	SE	30.9	3.1	SW

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Khlong Nueng School (Kaew Nimit), Village no. 4, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674825 E, 1551785 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC153/2565

Time	Date	May 22-23, 22			May 23-24, 22			May 24-25, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
11:00 - 12:00		31.8	2.2	WSW	33.5	3.1	SW	34.8	2.7	SSW
12:00 - 13:00		29.9	2.7	SSW	34.2	3.1	SW	32.6	2.7	SSW
13:00 - 14:00		29.9	2.7	SSW	35.4	3.6	WSW	33.6	2.7	SSW
14:00 - 15:00		31.0	3.1	SW	35.4	4.0	WSW	34.0	2.7	SSW
15:00 - 16:00		31.4	4.0	SW	35.8	4.0	WSW	34.0	2.2	SSW
16:00 - 17:00		31.1	3.1	SW	35.7	4.0	WSW	34.6	1.8	SW
17:00 - 18:00		30.2	3.1	SW	34.9	3.1	WSW	34.6	1.3	SW
18:00 - 19:00		29.4	2.7	SW	33.7	2.7	WSW	30.4	2.2	NW
19:00 - 20:00		28.6	2.2	SSW	32.4	1.3	WSW	28.9	0.9	SE
20:00 - 21:00		28.2	1.8	SSW	31.2	1.8	SSW	29.8	0.9	W
21:00 - 22:00		28.0	1.8	SSW	30.8	1.8	SSW	29.7	1.8	SW
22:00 - 23:00		28.0	0.9	SSW	30.7	1.3	SSW	29.4	1.3	SW
23:00 - 00:00		28.1	0.9	S	30.4	0.9	WSW	29.2	1.3	SW
00:00 - 01:00		28.1	0.9	SSW	29.8	1.3	SW	28.9	1.3	SW
01:00 - 02:00		27.9	0.9	SW	29.4	1.3	WSW	28.7	0.4	WSW
02:00 - 03:00		27.7	1.3	SW	29.1	0.9	SW	28.5	0.4	WSW
03:00 - 04:00		27.7	1.8	SSW	28.8	1.3	WSW	28.4	0.4	SW
04:00 - 05:00		27.4	1.3	SSW	28.7	0.9	SW	28.1	0.9	SW
05:00 - 06:00		27.2	1.3	SSW	28.8	0.9	SSW	28.0	0.9	SW
06:00 - 07:00		27.2	0.9	SW	28.8	0.9	ESE	27.5	1.3	WSW
07:00 - 08:00		27.6	1.3	SSW	29.2	0.4	SSW	28.0	1.3	SW
08:00 - 09:00		29.1	1.3	SSW	30.2	0.9	E	29.1	1.3	WSW
09:00 - 10:00		31.0	2.7	SW	31.3	1.8	SSE	32.2	0.9	W
10:00 - 11:00		32.2	3.6	SW	32.8	2.2	SSW	32.6	1.8	SW

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

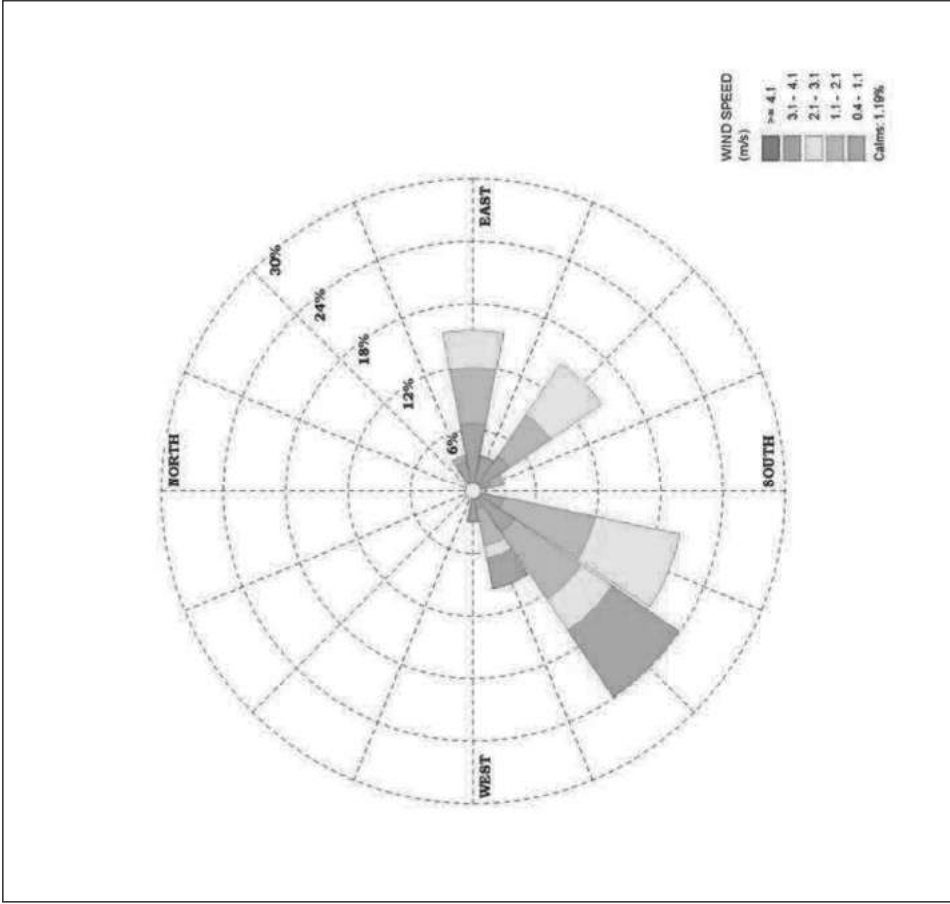
ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksei, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Klong Nueng School (Kaew Nimit), Village no. 4, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674825 E, 1551785 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC153/2565

Wind Direction	Percentage frequency of wind in each speed and direction					Total
	0.4-1.1	1.1-2.1	2.1-3.1	3.1-4.1	>4.1	
N	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NNE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
ENE	2.97619	0.59524	0.00000	0.00000	0.00000	3.57143
E	6.54762	5.35714	3.57143	0.00000	0.00000	15.47619
ESE	3.57143	0.00000	0.00000	0.00000	0.00000	3.57143
SE	4.16667	4.76190	5.95238	0.00000	0.00000	14.88095
SSE	1.78571	1.19048	0.00000	0.00000	0.00000	2.97619
S	0.59524	0.00000	0.59524	0.00000	0.00000	1.19048
SSW	2.97619	8.92857	8.33333	0.00000	0.00000	20.23809
SW	4.76190	7.73810	3.57143	7.73810	0.00000	23.80953
WSW	1.78571	3.57143	1.19048	2.97619	0.00000	9.52381
W	2.97619	0.00000	0.00000	0.00000	0.00000	2.97619
WNW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NW	0.00000	0.00000	0.59524	0.00000	0.00000	0.59524
NNW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Calm	1.19048					0.00000

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Measured Point : Klong Nueng School (Kaew Nimit), Village no. 4, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Date : May 18-25, 2022
Reported Number : WDC153/2565



ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District, Mueang Pathum Thani District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0668793 E, 1551651 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC154/2565

Time	Date	May 18-19, 22			May 19-20, 22			May 20-21, 22			May 21-22, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
09:00 - 10:00		28.7	0.9	ENE	29.4	0.9	E	32.8	1.8	S	31.2	1.8	S
10:00 - 11:00		31.1	1.3	ENE	32.3	1.3	SSE	33.4	1.8	S	33.4	2.2	SSE
11:00 - 12:00		33.7	0.9	E	34.6	1.3	SSE	33.9	1.8	S	34.9	2.2	S
12:00 - 13:00		37.2	0.9	ENE	36.1	1.8	S	37.9	2.7	SSW	34.2	2.2	S
13:00 - 14:00		36.7	0.9	E	35.7	2.2	S	39.3	2.7	SSW	31.8	2.7	S
14:00 - 15:00		37.4	0.9	E	39.1	2.2	SW	39.7	2.7	S	36.6	3.1	S
15:00 - 16:00		27.3	0.4	S	37.4	1.8	S	38.8	2.7	S	35.3	2.7	S
16:00 - 17:00		35.9	0.4	S	36.2	1.3	SSW	35.7	2.7	S	34.2	2.2	S
17:00 - 18:00		34.9	0.4	SE	35.8	1.8	SW	37.7	2.2	SSE	31.6	2.7	S
18:00 - 19:00		28.1	2.2	WSW	33.8	2.2	S	33.6	2.2	SSW	28.3	1.3	SSW
19:00 - 20:00		25.6	0.4	NW	31.4	2.2	SSE	31.1	1.8	SSW	28.4	2.2	S
20:00 - 21:00		25.8	<0.4	Calm	30.3	2.2	SSE	30.2	1.8	SSW	28.3	1.3	S
21:00 - 22:00		25.9	<0.4	Calm	30.0	1.8	SSE	29.6	1.8	SSW	28.0	1.8	S
22:00 - 23:00		26.2	<0.4	Calm	29.9	1.8	SSE	29.2	1.8	S	27.5	1.8	S
23:00 - 00:00		26.3	<0.4	Calm	29.5	1.8	SSE	28.9	0.9	S	27.0	0.9	S
00:00 - 01:00		26.3	<0.4	Calm	29.0	1.3	SE	28.8	0.9	SSE	26.6	0.9	S
01:00 - 02:00		26.4	<0.4	Calm	28.7	0.9	SSE	28.7	0.9	SSE	26.4	0.9	S
02:00 - 03:00		26.2	<0.4	Calm	28.3	0.4	ENE	28.7	0.9	SSE	26.9	0.9	SSE
03:00 - 04:00		26.0	<0.4	Calm	27.7	0.9	SSE	28.3	0.9	SE	27.1	0.4	SE
04:00 - 05:00		25.8	0.4	E	27.4	0.4	SE	27.9	0.4	SE	27.0	0.4	SSE
05:00 - 06:00		26.1	0.9	E	27.8	0.4	S	27.7	<0.4	Calm	27.2	0.9	SSE
06:00 - 07:00		26.1	0.9	E	28.0	0.9	S	27.7	0.4	SSE	27.2	1.3	SE
07:00 - 08:00		26.6	1.3	E	28.7	<0.4	Calm	28.6	0.4	SSE	27.5	0.9	SE
08:00 - 09:00		27.5	1.3	E	31.1	0.9	SE	30.1	0.9	SE	29.0	1.3	E-SE

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District, Mueang Pathum Thani District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0668793 E, 1551651 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC154/2565

Time	Date	May 22-23, 22			May 23-24, 22			May 24-25, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
09:00 - 10:00		30.3	1.8	SE	31.1	2.2	S	31.7	1.8	SE
10:00 - 11:00		31.3	2.7	SSE	31.7	2.7	S	33.8	2.7	SE
11:00 - 12:00		33.4	1.8	S	34.3	2.7	SSE	36.0	2.2	SE
12:00 - 13:00		32.1	2.2	S	36.5	2.7	SSE	36.4	3.1	SE
13:00 - 14:00		33.0	2.7	S	37.1	3.1	S	35.8	2.7	SE
14:00 - 15:00		34.8	2.7	S	37.3	3.1	S	37.5	2.2	SE
15:00 - 16:00		33.7	3.6	SSW	38.2	2.7	S	38.4	2.2	SE
16:00 - 17:00		33.2	2.7	SSW	37.5	3.1	S	38.3	2.2	SE
17:00 - 18:00		32.1	2.7	SSW	36.3	3.1	SSW	35.7	2.2	S
18:00 - 19:00		30.4	2.7	S	35.3	1.8	S	32.3	2.2	S
19:00 - 20:00		29.1	2.2	S	33.2	1.8	SSE	31.1	2.2	S
20:00 - 21:00		28.3	1.3	S	31.6	1.8	SSE	30.3	1.3	S
21:00 - 22:00		27.9	1.3	S	30.7	1.3	SSE	29.7	1.8	SSE
22:00 - 23:00		27.7	0.4	S	30.3	0.9	SSE	29.4	1.3	SSE
23:00 - 00:00		27.7	0.9	SSE	30.1	0.4	SSE	29.1	1.3	SSE
00:00 - 01:00		27.7	0.9	SSE	29.7	0.4	SSE	28.8	0.9	SE
01:00 - 02:00		27.6	0.9	SSE	29.2	0.9	SSE	28.6	0.4	SE
02:00 - 03:00		27.4	1.8	SSW	28.8	0.4	SSE	28.4	0.4	SSE
03:00 - 04:00		27.3	1.3	S	28.6	0.9	SSE	28.0	0.4	SE
04:00 - 05:00		26.9	1.3	S	28.1	0.4	SE	27.8	0.4	SE
05:00 - 06:00		26.6	1.3	SSE	28.2	0.9	SSE	27.8	1.3	SSE
06:00 - 07:00		26.6	0.9	SSE	28.4	0.4	ESE	27.3	1.8	SSE
07:00 - 08:00		27.1	1.3	SSE	28.8	0.4	SE	27.7	1.3	SSE
08:00 - 09:00		28.5	1.3	S	30.5	0.4	ESE	28.5	1.3	SSE

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

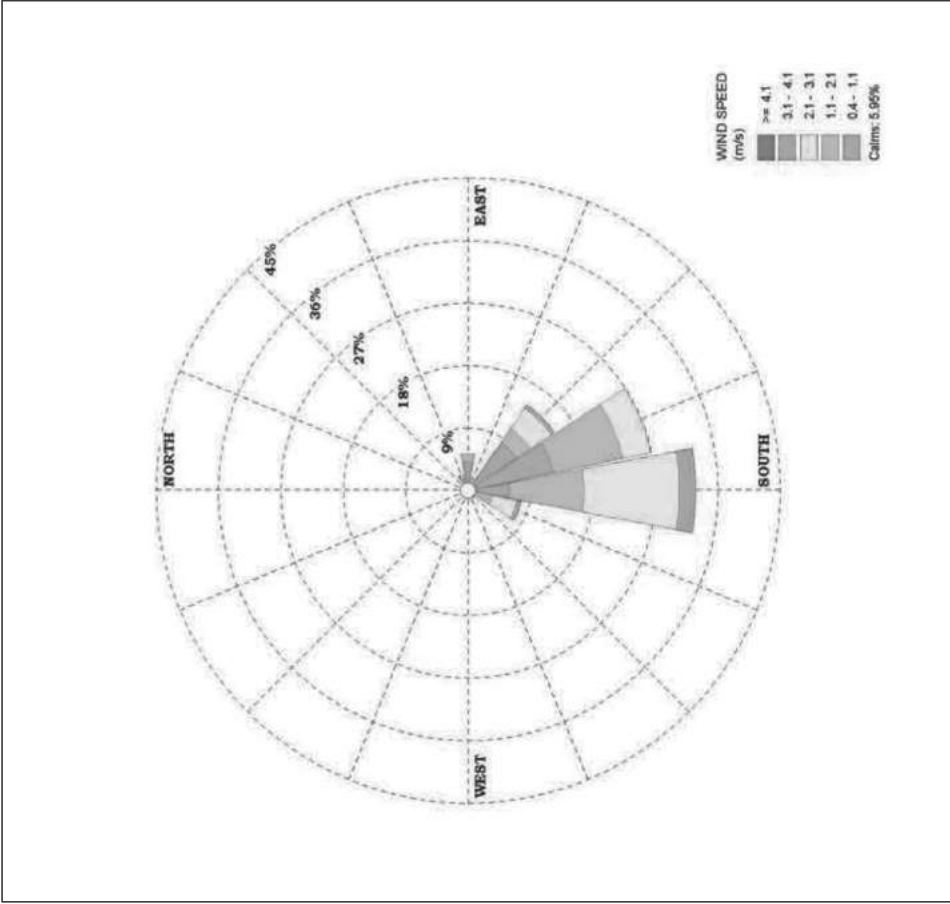
ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Lakxi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District, Mueang Pathum Thani District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0668793 E, 1551651 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC154/2565

Wind Direction	Percentage frequency of wind in each speed and direction					Total
	0.4-1.1	1.1-2.1	2.1-3.1	3.1-4.1	>4.1	
N	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NNE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
ENE	1.78571	0.59524	0.00000	0.00000	0.00000	2.38095
E	4.16667	1.19048	0.00000	0.00000	0.00000	5.35715
ESE	1.19048	0.59524	0.00000	0.00000	0.00000	1.78572
SE	8.33333	2.38095	3.57143	0.59524	0.00000	14.88095
SSE	12.50000	10.11900	4.16667	0.00000	0.00000	26.78567
S	5.95238	10.71430	13.69050	2.38095	0.00000	32.73813
SSW	0.00000	3.57143	3.57143	0.59524	0.00000	7.73810
SW	0.00000	0.59524	0.59524	0.00000	0.00000	1.19048
WSW	0.00000	0.00000	0.59524	0.00000	0.00000	0.59524
W	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
WNW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NW	0.59524	0.00000	0.00000	0.00000	0.00000	0.59524
NNW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Calm				5.95238		

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Measured Point : Sadet Temple, Village no. 5, Suan Phrik Thai Sub-District, Mueang Pathum Thani District, Pathum Thani Province
Measured Date : May 18-25, 2022
Reported Number : WD154/2565



ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Saeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0677581 E, 1548956 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC155/2565

Time	Date	May 18-19, 22			May 19-20, 22			May 20-21, 22			May 21-22, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
12:00 - 13:00		32.7	1.3	E	36.0	2.2	SE	36.0	1.3	SSW	34.2	1.3	SW
13:00 - 14:00		33.9	0.9	ENE	36.7	1.3	S	38.1	1.3	S	32.0	2.2	WSW
14:00 - 15:00		34.2	0.4	N	36.1	1.3	SW	38.2	1.3	SSW	35.4	2.2	WSW
15:00 - 16:00		26.9	0.4	WSW	34.9	0.9	S	36.3	1.3	SSW	36.1	2.2	WSW
16:00 - 17:00		28.5	0.4	S	35.2	0.9	S	32.1	1.3	S	34.0	1.8	SW
17:00 - 18:00		31.3	0.4	SSW	33.2	0.9	S	32.9	1.3	SSE	31.6	2.2	WSW
18:00 - 19:00		29.2	2.7	W	31.8	1.3	S	31.8	0.9	SSW	28.8	2.7	W
19:00 - 20:00		24.8	1.3	W	30.2	1.3	SSE	30.2	0.9	SW	28.3	1.3	SW
20:00 - 21:00		25.2	0.4	N	29.1	1.3	SSE	29.7	1.3	SW	27.9	0.9	SW
21:00 - 22:00		25.3	<0.4	Calm	28.8	1.3	SSW	29.2	0.9	SSW	27.8	1.3	SW
22:00 - 23:00		25.6	<0.4	Calm	28.7	1.3	SSW	28.8	0.9	SW	27.3	0.9	SW
23:00 - 00:00		25.6	<0.4	Calm	28.6	1.3	SE	28.6	0.4	SW	27.1	0.4	SW
00:00 - 01:00		25.4	0.4	ENE	28.2	1.8	SE	28.2	<0.4	Calm	26.6	0.4	SW
01:00 - 02:00		25.3	0.4	ESE	27.5	1.8	SE	28.1	0.4	Calm	26.4	0.4	SSW
02:00 - 03:00		25.2	0.4	ENE	27.1	1.3	SE	27.9	0.4	S	26.8	<0.4	Calm
03:00 - 04:00		25.1	0.4	ENE	26.8	0.9	SE	27.4	0.4	SSW	26.7	<0.4	Calm
04:00 - 05:00		25.3	1.3	E	26.9	0.4	ESE	26.9	0.4	SSE	26.5	<0.4	Calm
05:00 - 06:00		25.3	0.4	E	26.1	0.4	SE	26.8	0.4	SSE	26.6	0.4	SSE
06:00 - 07:00		25.2	0.9	ESE	26.6	0.4	SSE	26.6	0.4	SSE	26.5	0.4	SSE
07:00 - 08:00		25.8	1.3	ESE	27.6	0.9	SSE	27.4	0.4	SE	27.1	0.4	SSE
08:00 - 09:00		27.2	1.8	ESE	29.9	1.3	SE	29.5	0.9	SSE	28.8	0.4	S
09:00 - 10:00		29.2	1.8	ESE	32.2	0.9	SSE	31.8	0.9	S	31.6	0.9	SSW
10:00 - 11:00		31.9	1.8	SE	33.7	0.9	S	33.4	1.3	S	32.9	1.3	SW
11:00 - 12:00		33.2	2.2	SE	33.8	0.9	S	35.2	0.9	SSW	34.6	1.3	W

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Saeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0677581 E, 1548956 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC155/2565

Time	Date	May 22-23, 22			May 23-24, 22			May 24-25, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
12:00 - 13:00		32.4	1.3	WSW	36.2	2.7	WSW	35.7	1.8	SW
13:00 - 14:00		33.2	1.3	SW	38.0	4.5	W	35.4	1.3	SW
14:00 - 15:00		34.8	1.8	WSW	38.5	4.5	W	35.1	1.8	SW
15:00 - 16:00		33.8	3.1	WSW	38.6	3.6	W	36.8	1.8	SW
16:00 - 17:00		32.7	2.7	W	36.9	4.0	W	36.3	1.8	SW
17:00 - 18:00		31.1	2.2	WSW	34.2	3.6	W	34.8	2.2	W
18:00 - 19:00		29.6	1.8	WSW	33.4	2.7	W	30.7	1.8	W
19:00 - 20:00		28.3	0.9	SW	31.7	0.9	SW	25.7	0.4	SSE
20:00 - 21:00		27.7	0.9	SW	30.4	0.4	SW	27.0	0.4	W
21:00 - 22:00		27.4	0.4	SW	29.8	0.4	SSW	27.9	0.9	SW
22:00 - 23:00		27.3	0.4	SW	29.6	0.4	S	28.3	0.9	WSW
23:00 - 00:00		27.4	<0.4	Calm	29.0	<0.4	Calm	28.3	1.3	WSW
00:00 - 01:00		27.3	<0.4	Calm	29.0	0.9	W	27.8	0.4	WSW
01:00 - 02:00		27.2	0.4	SW	28.8	0.9	WSW	27.8	0.4	WSW
02:00 - 03:00		27.2	0.9	WSW	28.3	0.4	WSW	27.4	<0.4	Calm
03:00 - 04:00		27.0	0.4	SW	28.3	0.9	WSW	27.3	<0.4	Calm
04:00 - 05:00		26.7	0.4	SW	27.8	<0.4	Calm	26.9	<0.4	Calm
05:00 - 06:00		26.4	0.4	SW	28.0	0.4	SW	27.2	0.9	WSW
06:00 - 07:00		26.5	0.4	SSW	27.8	<0.4	Calm	27.1	1.8	WSW
07:00 - 08:00		27.2	0.4	SW	28.4	<0.4	Calm	27.4	1.3	WSW
08:00 - 09:00		28.6	0.9	WSW	30.1	0.4	SE	28.7	2.2	W
09:00 - 10:00		30.9	1.8	WSW	32.2	0.9	SSW	30.7	1.3	W
10:00 - 11:00		32.2	3.1	WSW	33.5	0.9	S	32.1	0.9	SW
11:00 - 12:00		33.8	2.2	WSW	34.8	1.3	SW	33.0	1.8	W

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

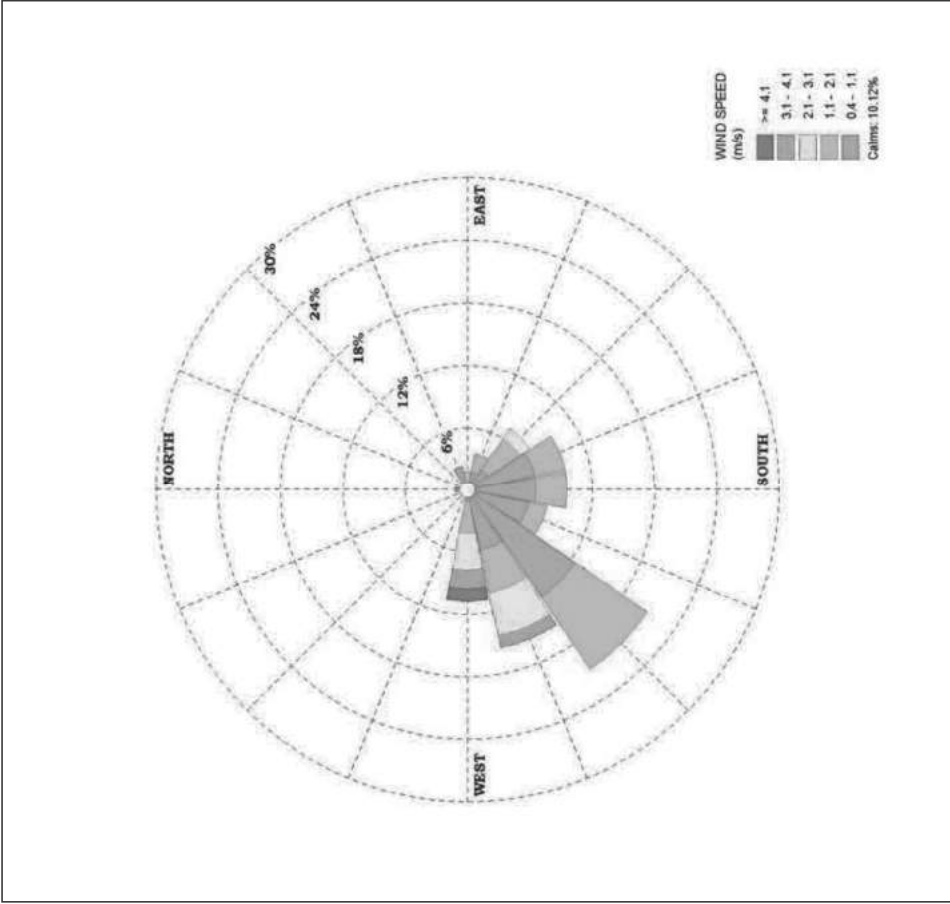
ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Lakxi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Saeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0677581 E, 1548956 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC155/2565

Wind Direction	Percentage frequency of wind in each speed and direction					Total
	0.4-1.1	1.1-2.1	2.1-3.1	3.1-4.1	>4.1	
N	1.19048	0.00000	0.00000	0.00000	0.00000	1.19048
NNE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
ENE	2.38095	0.00000	0.00000	0.00000	0.00000	2.38095
E	0.59524	1.19048	0.00000	0.00000	0.00000	1.78572
ESE	1.78571	1.78571	0.00000	0.00000	0.00000	3.57142
SE	2.38095	3.57143	1.19048	0.00000	0.00000	7.14286
SSE	6.54762	2.97619	0.00000	0.00000	0.00000	9.52381
S	6.54762	2.97619	0.00000	0.00000	0.00000	9.52381
SSW	5.95238	1.78571	0.00000	0.00000	0.00000	7.73809
SW	12.50000	8.33333	0.00000	0.00000	0.00000	20.83333
WSW	5.95238	4.16667	4.16667	1.19048	0.00000	15.47620
W	1.19048	2.97619	3.57143	1.78571	1.19048	10.71429
WNW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NNW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Calm	10.11900					0.00000

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Measured Point : Saeng San Temple, Village no. 6, Prachathipat Sub-District, Thanyaburi District, Pathum Thani Province
Measured Date : May 18-25, 2022
Reported Number : WDC155/2565



ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksei, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Learning and Recreation Center of Rangsit City Municipality (located in Rattanakosin Song Roi Pi Housing Estate)
GPS, Coordinate : UTM (WGS84) 47P 0673852 E, 1547477 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC156/2565

Time	Date	May 18-19, 22			May 19-20, 22			May 20-21, 22			May 21-22, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
10:00 - 11:00		30.3	1.3	ESE	30.9	2.2	ESE	32.3	1.8	S	31.9	2.2	S
11:00 - 12:00		31.3	0.4	SSE	31.3	1.8	SE	31.7	2.2	SSE	33.0	2.2	S
12:00 - 13:00		30.8	0.9	SE	33.1	1.8	SSE	33.8	2.7	S	32.3	2.2	S
13:00 - 14:00		32.2	0.9	ESE	33.3	2.7	S	33.7	3.1	S	30.7	2.7	SW
14:00 - 15:00		28.9	1.3	SSE	32.9	2.7	S	33.8	2.7	S	32.6	2.7	SSW
15:00 - 16:00		27.0	0.4	E	32.6	1.8	S	33.2	2.7	S	32.5	2.7	SSW
16:00 - 17:00		28.3	<0.4	Calm	32.4	1.8	SSE	30.7	2.7	S	32.3	2.7	SSW
17:00 - 18:00		29.7	0.4	S	32.3	2.2	SSE	32.1	2.2	S	30.8	2.2	SW
18:00 - 19:00		27.2	1.8	SW	31.2	2.2	SSE	31.6	2.2	S	29.3	1.3	W
19:00 - 20:00		25.6	0.4	NW	30.2	2.2	SSE	30.6	1.8	SSW	28.7	1.8	SSW
20:00 - 21:00		25.7	<0.4	Calm	29.7	2.2	SSE	30.0	1.8	SSW	28.4	1.3	SW
21:00 - 22:00		25.7	<0.4	Calm	29.6	1.8	SSE	29.4	1.8	SSW	28.2	2.2	SW
22:00 - 23:00		25.8	<0.4	Calm	29.7	1.3	SSE	29.3	1.3	SSW	27.6	1.8	SW
23:00 - 00:00		25.8	<0.4	Calm	29.3	1.8	SSE	29.2	0.9	S	27.3	0.9	SSW
00:00 - 01:00		25.8	<0.4	Calm	29.0	1.3	SE	29.1	0.9	S	26.9	0.9	SW
01:00 - 02:00		25.8	0.4	ENE	28.6	0.9	SE	28.8	0.4	S	26.9	0.9	SSW
02:00 - 03:00		25.7	0.4	E	28.0	0.9	ESE	28.6	0.4	S	27.1	0.9	S
03:00 - 04:00		25.6	<0.4	Calm	27.7	0.4	SE	28.2	0.4	SSW	27.2	0.9	S
04:00 - 05:00		25.9	0.9	E	27.2	0.4	ESE	28.1	0.4	SE	27.3	0.4	SSE
05:00 - 06:00		25.8	0.4	E	27.7	0.9	SE	28.0	0.4	SSE	27.3	0.9	SSE
06:00 - 07:00		25.8	0.4	ESE	27.7	0.4	S	27.9	0.4	SSE	27.1	0.9	SSE
07:00 - 08:00		26.1	1.3	ESE	28.4	0.9	SSE	28.4	0.4	SE	27.4	1.3	SSE
08:00 - 09:00		27.6	1.8	ESE	30.7	0.9	SSE	29.7	0.9	SSE	28.6	0.9	S
09:00 - 10:00		30.8	2.2	ESE	32.1	1.8	S	31.1	1.8	S	29.9	1.8	S

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksei, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Point : Learning and Recreation Center of Rangsit City Municipality (located in Rattanakosin Song Roi Pi Housing Estate)
GPS, Coordinate : UTM (WGS84) 47P 0673852 E, 1547477 N
Measured Date : May 18-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Reported Number : WDC156/2565

Time	Date	May 22-23, 22			May 23-24, 22			May 24-25, 22		
		Temp.	WS	WD	Temp.	WS	WD	Temp.	WS	WD
10:00 - 11:00		31.9	1.8	SW	33.2	2.2	SW	33.3	2.7	SW
11:00 - 12:00		31.7	1.8	SW	33.9	2.7	SW	34.8	2.7	SSW
12:00 - 13:00		30.1	2.2	SSW	35.9	2.2	SW	32.6	2.7	S
13:00 - 14:00		30.5	2.2	SSW	36.1	2.7	SW	33.6	2.7	SSW
14:00 - 15:00		31.6	2.7	SW	36.6	2.7	SW	34.0	2.7	SSW
15:00 - 16:00		32.3	2.7	SW	36.4	2.7	WNV	34.0	2.2	SSW
16:00 - 17:00		31.8	1.8	SW	35.8	2.7	WNV	34.6	1.8	SW
17:00 - 18:00		30.6	2.7	SW	34.9	2.7	WNV	34.6	1.3	SW
18:00 - 19:00		29.6	2.2	SSW	33.9	1.8	WNV	30.4	2.2	NW
19:00 - 20:00		28.6	1.8	SSW	32.1	1.8	SSW	28.9	0.9	SE
20:00 - 21:00		28.1	1.3	SSW	31.2	1.8	S	29.8	0.9	W
21:00 - 22:00		27.9	1.3	SSW	30.8	1.3	SSW	29.7	1.8	SW
22:00 - 23:00		27.9	0.9	S	30.4	0.9	SSW	29.4	1.3	SW
23:00 - 00:00		27.9	0.4	S	30.2	0.4	SW	29.2	1.3	SW
00:00 - 01:00		27.9	0.9	SSW	29.8	0.4	WNV	28.9	1.3	SW
01:00 - 02:00		27.7	0.9	SW	29.4	0.9	WNV	28.7	0.4	WSW
02:00 - 03:00		27.7	1.3	WSW	28.9	0.4	WNV	28.5	0.4	WSW
03:00 - 04:00		27.4	1.3	SSW	28.8	0.4	WNV	28.4	0.4	SW
04:00 - 05:00		27.1	0.9	SSW	28.7	0.4	S	28.1	0.9	SW
05:00 - 06:00		26.9	0.9	SSW	28.7	0.4	SSW	28.0	0.9	SW
06:00 - 07:00		26.8	0.9	SSW	28.6	0.4	S	27.5	1.3	WSW
07:00 - 08:00		27.4	0.9	SSW	29.1	0.4	S	28.0	1.3	SW
08:00 - 09:00		29.9	0.9	SSW	30.3	0.9	SSE	29.1	1.3	WSW
09:00 - 10:00		32.4	2.2	SW	31.7	2.2	SSW	32.2	0.9	W

Remark : 1. WS = Wind Speed (m/s)
2. WD = Wind Direction
3. Height of wind vane and anemometer above ground 10 meters.

Laboratory Reviewer

Laboratory Supervisor

ANALYSIS REPORT

Customer Name
Address
Project Name
Project Location
Measured Point

: Klong Luang Utilities Company Limited

: 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210

: Electricity and Steam Generating Cogeneration, Pathumthani Province Project

: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province

: Learning and Recreation Center of Rangsit City Municipality (located in Rattanakosin Song Roi PI Housing Estate)

GPS. Coordinate
Measured Date
Measured By
Analyzed By
Reported Number

: UTM (WGS84) 47P 0673852 E, 1547477 N

: May 18-25, 2022

: Mr.Nitad Sirichad

: Environment Research & Technology Co., Ltd.

: WDC156/2565

Wind Direction	Percentage frequency of wind in each speed and direction				
	0.4-1.1	1.1-2.1	2.1-3.1	3.1-4.1	>4.1
N	0.00000	0.00000	0.00000	0.00000	0.00000
NNE	0.00000	0.00000	0.00000	0.00000	0.00000
NE	0.00000	0.00000	0.00000	0.00000	0.00000
ENE	0.59524	0.00000	0.00000	0.00000	0.00000
E	2.38095	0.00000	0.00000	0.00000	0.00000
ESE	2.38095	1.78571	1.19048	0.00000	0.00000
SE	4.16667	1.19048	0.00000	0.00000	0.00000
SSE	5.95238	4.16667	2.97619	0.00000	0.00000
S	8.33333	3.57143	7.73810	0.59524	0.00000
SSW	6.54762	5.95238	6.54762	0.00000	0.00000
SW	3.57143	8.33333	7.14286	0.00000	0.00000
WSW	3.57143	1.78571	0.59524	0.00000	0.00000
W	1.19048	0.59524	0.00000	0.00000	0.00000
WNW	0.00000	0.59524	1.19048	0.00000	0.00000
NW	0.59524	0.00000	0.59524	0.00000	0.00000
NNW	0.00000	0.00000	0.00000	0.00000	0.00000
Calm	4.16667				

ภาคผนวก 3ช

ผลการตรวจวัดระดับเสียง

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 18-19, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC280/2585

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
08:00 - 09:00	56.4	72.6	58.4	57.5	55.1
09:00 - 10:00	58.1	81.6	62.4	60.9	54.9
10:00 - 11:00	55.2	72.7	56.5	55.8	54.4
11:00 - 12:00	56.2	75.4	59.8	57.9	54.1
12:00 - 13:00	55.9	68.8	58.6	57.3	54.2
13:00 - 14:00	56.0	74.7	58.3	57.4	54.5
14:00 - 15:00	56.7	74.4	58.1	57.6	55.6
15:00 - 16:00	55.5	74.4	57.1	56.2	54.4
16:00 - 17:00	56.5	79.8	58.7	57.7	54.7
17:00 - 18:00	58.7	84.6	61.2	60.5	56.4
18:00 - 19:00	57.5	72.9	59.8	58.9	56.9
19:00 - 20:00	55.8	77.3	56.9	56.4	55.0
20:00 - 21:00	55.5	71.7	56.9	56.3	54.7
21:00 - 22:00	55.2	65.2	55.9	55.7	55.1
22:00 - 23:00	56.8	67.7	57.9	57.4	56.1
23:00 - 00:00	56.3	68.7	57.4	56.8	55.6
00:00 - 01:00	55.8	69.7	57.4	56.6	55.4
01:00 - 02:00	55.2	65.9	55.8	55.6	55.0
02:00 - 03:00	55.3	64.6	56.0	55.7	55.1
03:00 - 04:00	54.4	64.8	55.2	54.9	53.8
04:00 - 05:00	56.9	72.2	62.2	59.8	54.8
05:00 - 06:00	58.1	75.3	62.7	60.3	55.1
06:00 - 07:00	56.8	73.5	58.8	57.6	55.3
07:00 - 08:00	57.6	73.2	61.0	58.7	56.5
24 Hours Measurement	56.5	84.6	59.0	57.8	55.0
Standard ^{1/}	70	115	-	-	-
Ldn	62.8	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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F-RP-008 Rev. 03, January 18, 2021

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 19-20, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC280/2585

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
08:00 - 09:00	57.2	75.6	60.7	58.2	55.2
09:00 - 10:00	56.1	72.0	57.4	56.9	55.8
10:00 - 11:00	57.6	81.6	59.9	59.3	55.1
11:00 - 12:00	59.1	80.9	64.3	62.9	56.4
12:00 - 13:00	57.4	76.1	61.0	58.2	55.5
13:00 - 14:00	56.0	75.6	58.0	56.7	55.1
14:00 - 15:00	55.4	71.0	57.0	56.1	54.5
15:00 - 16:00	56.0	73.9	57.6	56.9	54.4
16:00 - 17:00	57.8	76.5	60.6	58.9	54.9
17:00 - 18:00	57.3	75.9	59.3	58.2	55.1
18:00 - 19:00	58.4	81.0	60.0	59.2	56.7
19:00 - 20:00	57.2	73.4	58.3	57.9	56.8
20:00 - 21:00	56.3	73.9	57.6	57.2	56.1
21:00 - 22:00	55.9	62.3	56.7	56.5	55.8
22:00 - 23:00	55.8	67.4	57.0	56.6	55.0
23:00 - 00:00	56.4	66.7	57.9	57.2	55.7
00:00 - 01:00	55.8	65.7	56.8	56.4	55.1
01:00 - 02:00	54.9	61.6	56.0	55.5	54.3
02:00 - 03:00	55.1	61.6	56.2	55.8	54.6
03:00 - 04:00	54.6	71.2	57.1	55.4	53.5
04:00 - 05:00	57.5	72.8	62.6	59.7	54.7
05:00 - 06:00	57.4	74.6	61.7	59.2	55.4
06:00 - 07:00	56.6	72.9	59.7	57.9	54.7
07:00 - 08:00	56.2	71.0	58.3	57.2	55.6
24 Hours Measurement	56.7	81.6	59.4	58.0	55.1
Standard ^{1/}	70	115	-	-	-
Ldn	62.7	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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F-RP-008 Rev. 03, January 18, 2021

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 20-21, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC280/2585

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
08:00 - 09:00	57.6	81.2	59.7	59.4	56.6	54.9
09:00 - 10:00	56.8	71.9	59.5	58.5	56.2	54.8
10:00 - 11:00	55.8	73.4	57.0	56.5	55.5	54.9
11:00 - 12:00	57.3	72.6	60.8	60.0	56.0	55.2
12:00 - 13:00	56.1	69.0	57.2	56.8	55.9	55.2
13:00 - 14:00	56.4	73.8	57.5	57.0	56.1	55.4
14:00 - 15:00	56.7	71.8	59.4	58.3	56.1	55.3
15:00 - 16:00	56.5	72.0	57.9	57.3	56.2	55.5
16:00 - 17:00	57.4	75.8	61.0	58.3	56.0	55.3
17:00 - 18:00	56.8	77.7	58.5	57.9	56.0	55.2
18:00 - 19:00	57.0	77.0	58.5	57.9	56.5	55.7
19:00 - 20:00	56.9	69.7	58.7	56.4	56.4	55.8
20:00 - 21:00	55.7	68.9	56.8	56.3	55.5	55.1
21:00 - 22:00	55.4	60.8	56.3	56.0	55.3	54.9
22:00 - 23:00	55.0	64.1	56.1	55.5	54.8	54.4
23:00 - 00:00	54.7	64.1	55.6	55.3	54.6	54.1
00:00 - 01:00	55.2	68.1	56.2	55.7	55.1	54.7
01:00 - 02:00	55.7	64.2	57.0	56.4	55.4	55.1
02:00 - 03:00	54.7	61.4	55.4	55.1	54.5	54.2
03:00 - 04:00	54.8	72.9	56.1	55.2	54.5	54.1
04:00 - 05:00	57.0	71.6	62.0	59.1	55.2	54.5
05:00 - 06:00	56.1	71.1	59.0	57.4	55.3	54.6
06:00 - 07:00	55.9	74.1	58.3	57.7	55.1	54.3
07:00 - 08:00	56.1	73.4	58.2	57.1	55.5	54.9
24 Hours Measurement	56.2	81.2	58.4	57.4	55.6	54.9
Standard ^{1/}	70	115	-	-	-	-
Ldn	62.1	-	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 21-22, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC280/2585

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
08:00 - 09:00	58.4	76.5	62.8	59.8	56.2	55.4
09:00 - 10:00	56.6	81.9	58.7	57.7	56.0	55.2
10:00 - 11:00	56.8	80.1	58.6	58.4	56.5	55.0
11:00 - 12:00	56.0	69.2	57.3	56.7	55.8	55.2
12:00 - 13:00	57.2	74.0	60.5	58.3	56.0	55.3
13:00 - 14:00	56.6	73.8	58.1	57.5	56.4	55.5
14:00 - 15:00	56.6	73.1	58.0	57.3	56.2	55.2
15:00 - 16:00	58.0	77.5	62.2	60.0	56.4	55.3
16:00 - 17:00	59.8	78.8	64.2	61.0	56.7	55.6
17:00 - 18:00	59.4	75.1	59.4	58.1	55.8	55.0
18:00 - 19:00	60.1	78.6	65.6	62.4	57.4	56.4
19:00 - 20:00	55.9	75.4	56.8	56.4	55.4	55.0
20:00 - 21:00	55.8	75.7	56.7	56.4	55.6	55.0
21:00 - 22:00	55.1	61.9	55.9	55.6	55.0	54.6
22:00 - 23:00	54.5	63.8	55.2	54.9	54.3	54.0
23:00 - 00:00	54.6	67.4	55.5	55.1	54.0	54.0
00:00 - 01:00	56.5	79.5	58.5	58.1	55.7	54.9
01:00 - 02:00	54.9	60.2	55.7	55.4	54.7	54.3
02:00 - 03:00	54.5	59.4	55.1	54.9	54.3	54.0
03:00 - 04:00	54.3	59.2	54.9	54.7	54.2	53.9
04:00 - 05:00	57.8	73.9	63.2	60.5	55.3	54.7
05:00 - 06:00	58.7	76.5	63.4	60.8	56.6	55.2
06:00 - 07:00	57.0	76.7	61.0	58.4	55.3	54.5
07:00 - 08:00	55.9	76.1	58.0	56.6	55.2	54.7
24 Hours Measurement	56.9	81.9	60.2	58.2	55.7	54.9
Standard ^{1/}	70	115	-	-	-	-
Ldn	62.8	-	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 22-23, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC280/2585

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
08:00 - 09:00	56.2	77.9	58.5	57.0	55.0
09:00 - 10:00	57.9	82.3	59.9	58.4	55.0
10:00 - 11:00	55.0	66.8	56.0	55.6	54.2
11:00 - 12:00	57.6	76.0	61.6	59.1	54.9
12:00 - 13:00	56.9	77.5	58.8	57.4	54.9
13:00 - 14:00	55.9	70.9	57.3	56.7	54.9
14:00 - 15:00	55.0	68.5	57.4	56.9	54.9
15:00 - 16:00	55.6	81.4	56.6	56.1	54.5
16:00 - 17:00	56.0	71.0	58.3	57.1	54.9
17:00 - 18:00	56.5	73.5	59.1	57.7	55.3
18:00 - 19:00	57.8	76.2	61.1	59.3	55.9
19:00 - 20:00	57.3	75.3	59.4	58.3	56.8
20:00 - 21:00	56.2	61.8	56.8	56.7	55.7
21:00 - 22:00	54.3	70.1	55.4	54.9	53.7
22:00 - 23:00	54.1	60.7	54.8	54.5	53.6
23:00 - 00:00	54.0	70.4	54.6	54.4	53.4
00:00 - 01:00	53.9	65.9	54.7	53.9	53.8
01:00 - 02:00	54.7	56.9	55.3	55.1	54.6
02:00 - 03:00	55.1	58.1	55.5	55.4	54.3
03:00 - 04:00	55.2	62.1	55.9	55.7	54.7
04:00 - 05:00	56.8	72.4	61.8	58.7	54.0
05:00 - 06:00	57.5	75.4	62.4	59.9	55.3
06:00 - 07:00	56.9	74.6	60.7	58.6	54.4
07:00 - 08:00	55.7	69.0	57.7	57.0	55.2
24 Hours Measurement	56.1	82.3	58.6	57.2	54.7
Standard ^{1/}	70	115	-	-	-
Ldn	62.1	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 23-24, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC280/2585

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
08:00 - 09:00	55.8	73.0	57.8	56.8	55.3
09:00 - 10:00	55.8	67.9	57.5	56.7	55.5
10:00 - 11:00	55.9	69.6	57.4	56.8	55.6
11:00 - 12:00	55.7	71.4	57.3	56.5	54.6
12:00 - 13:00	56.3	75.2	60.0	57.5	54.3
13:00 - 14:00	55.9	73.0	57.1	56.6	54.7
14:00 - 15:00	55.1	66.8	56.2	55.9	54.9
15:00 - 16:00	55.8	70.2	57.7	56.8	54.3
16:00 - 17:00	56.4	72.7	59.1	58.4	54.6
17:00 - 18:00	56.4	72.0	58.9	57.6	54.7
18:00 - 19:00	57.9	75.2	61.1	59.1	55.9
19:00 - 20:00	56.9	74.3	58.8	58.2	56.5
20:00 - 21:00	55.2	70.7	57.1	56.3	54.5
21:00 - 22:00	54.6	66.9	55.3	55.1	54.5
22:00 - 23:00	55.7	64.0	54.5	54.1	53.2
23:00 - 00:00	53.9	65.3	54.9	54.4	53.3
00:00 - 01:00	53.7	65.9	54.3	54.1	53.3
01:00 - 02:00	53.5	58.5	54.1	54.0	53.1
02:00 - 03:00	53.6	58.5	54.3	54.1	53.5
03:00 - 04:00	54.9	71.3	58.0	55.7	53.9
04:00 - 05:00	56.5	73.8	60.8	58.5	54.8
05:00 - 06:00	56.2	70.8	58.9	57.8	54.5
06:00 - 07:00	58.0	77.3	63.7	60.7	54.4
07:00 - 08:00	56.8	71.5	58.7	57.8	55.4
24 Hours Measurement	55.8	77.3	58.3	57.0	54.4
Standard ^{1/}	70	115	-	-	-
Ldn	61.7	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGOO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674293 E. 1550822 N
Measured Date : May 24-25, 2022
Measured By : Mr.Nilad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC280/2585

Interval Time	Noise Level, dB(A)			
	Leq	Lmax	L5	L10
08:00 - 09:00	58.4	84.3	60.5	56.5
09:00 - 10:00	56.5	74.9	59.5	55.3
10:00 - 11:00	55.4	69.0	56.8	55.2
11:00 - 12:00	56.0	72.4	57.4	56.8
12:00 - 13:00	55.5	63.9	56.6	56.2
13:00 - 14:00	55.5	67.1	56.7	55.3
14:00 - 15:00	55.0	68.7	56.6	54.6
15:00 - 16:00	55.2	72.5	57.1	56.3
16:00 - 17:00	55.3	75.9	58.5	54.6
17:00 - 18:00	55.9	72.7	58.4	57.3
18:00 - 19:00	58.7	78.6	62.7	60.3
19:00 - 20:00	56.8	76.1	60.5	57.1
20:00 - 21:00	54.6	71.8	55.5	55.2
21:00 - 22:00	54.3	61.8	55.0	54.7
22:00 - 23:00	54.2	64.8	55.0	54.6
23:00 - 00:00	53.9	65.0	54.8	54.0
00:00 - 01:00	53.7	68.9	55.0	53.7
01:00 - 02:00	53.6	57.7	54.4	53.5
02:00 - 03:00	54.3	73.6	55.1	54.1
03:00 - 04:00	54.7	72.7	56.0	55.2
04:00 - 05:00	56.0	71.3	59.4	57.9
05:00 - 06:00	59.2	88.5	62.9	61.7
06:00 - 07:00	56.1	73.5	58.9	57.4
07:00 - 08:00	56.4	75.7	60.3	54.9
24 Hours Measurement	56.0	88.5	58.6	57.3
Standard ^{1/}	70	115	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Pactory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25; B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGOO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674293 E. 1550822 N
Measured Date : May 18, 2022
Measured By : Mr.Nilad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995
Reported Number : NCC279/2585

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	56.7	55.0	11:00-11:05	55.1	53.7	14:00-14:05	57.6	56.8	17:00-17:05	56.3	54.9
08:05-08:10	56.9	55.3	11:05-11:10	54.4	53.8	14:05-14:10	56.1	55.0	17:05-17:10	56.3	54.9
08:10-08:15	56.0	55.2	11:10-11:15	54.3	53.7	14:10-14:15	57.0	56.3	17:10-17:15	55.7	54.8
08:15-08:20	56.0	55.3	11:15-11:20	56.4	54.1	14:15-14:20	59.4	58.1	17:15-17:20	57.3	55.3
08:20-08:25	55.8	55.0	11:20-11:25	55.5	54.1	14:20-14:25	58.8	57.2	17:20-17:25	59.7	56.6
08:25-08:30	57.5	55.5	11:25-11:30	55.7	54.0	14:25-14:30	56.5	55.4	17:25-17:30	59.1	56.4
08:30-08:35	57.2	55.3	11:30-11:35	55.9	54.3	14:30-14:35	55.4	54.8	17:30-17:35	57.0	55.6
08:35-08:40	56.1	54.9	11:35-11:40	55.4	54.3	14:35-14:40	55.9	54.7	17:35-17:40	57.1	55.7
08:40-08:45	56.1	54.9	11:40-11:45	55.9	54.5	14:40-14:45	55.0	54.2	17:40-17:45	61.6	59.3
08:45-08:50	56.0	55.1	11:45-11:50	55.1	54.1	14:45-14:50	54.5	53.9	17:45-17:50	59.3	56.9
08:50-08:55	55.9	54.8	11:50-11:55	55.0	54.2	14:50-14:55	56.3	54.3	17:50-17:55	59.8	56.3
08:55-09:00	56.2	54.9	11:55-12:00	60.7	54.6	14:55-15:00	54.9	54.4	17:55-18:00	60.4	57.9
09:00-09:05	55.5	54.9	12:00-12:05	56.4	54.7	15:00-15:05	54.7	54.1	18:00-18:05	56.5	55.6
09:05-09:10	56.0	54.8	12:05-12:10	55.5	54.3	15:05-15:10	55.3	54.2	18:05-18:10	55.3	54.6
09:10-09:15	58.6	54.9	12:10-12:15	55.6	54.1	15:10-15:15	54.7	54.1	18:10-18:15	57.9	56.1
09:15-09:20	59.2	54.8	12:15-12:20	55.5	54.0	15:15-15:20	55.3	54.3	18:15-18:20	59.4	55.8
09:20-09:25	62.0	55.5	12:20-12:25	57.6	54.9	15:20-15:25	56.2	54.5	18:20-18:25	57.2	55.4
09:25-09:30	55.9	54.8	12:25-12:30	55.5	54.1	15:25-15:30	55.1	54.3	18:25-18:30	56.6	55.2
09:30-09:35	55.3	54.6	12:30-12:35	54.4	53.7	15:30-15:35	54.9	54.3	18:30-18:35	57.0	55.7
09:35-09:40	55.2	54.3	12:35-12:40	54.9	54.0	15:35-15:40	55.7	54.5	18:35-18:40	57.4	56.2
09:40-09:45	55.9	54.3	12:40-12:45	55.9	54.3	15:40-15:45	57.5	54.6	18:40-18:45	58.2	56.3
09:45-09:50	60.6	55.4	12:45-12:50	55.3	54.3	15:45-15:50	55.8	54.5	18:45-18:50	58.9	57.5
09:50-09:55	57.8	55.0	12:50-12:55	56.6	54.2	15:50-15:55	55.2	54.4	18:50-18:55	57.5	56.5
09:55-10:00	57.7	55.3	12:55-13:00	56.2	54.0	15:55-16:00	55.8	54.4	18:55-19:00	56.7	56.0
10:00-10:05	55.5	54.9	13:00-13:05	54.8	53.8	16:00-16:05	55.3	54.3	19:00-19:05	56.7	55.3
10:05-10:10	55.4	54.9	13:05-13:10	56.0	54.1	16:05-16:10	54.5	54.1	19:05-19:10	56.0	55.2
10:10-10:15	55.6	54.8	13:10-13:15	55.2	54.2	16:10-16:15	54.8	54.2	19:10-19:15	55.6	55.0
10:15-10:20	55.4	54.3	13:15-13:20	56.1	53.9	16:15-16:20	55.0	54.2	19:15-19:20	55.3	54.7
10:20-10:25	55.5	54.3	13:20-13:25	56.3	54.3	16:20-16:25	58.1	54.7	19:20-19:25	55.3	54.8
10:25-10:30	54.8	54.3	13:25-13:30	56.3	54.3	16:25-16:30	55.7	54.7	19:25-19:30	55.3	54.7
10:30-10:35	55.2	54.3	13:30-13:35	56.1	54.0	16:30-16:35	57.1	54.7	19:30-19:35	55.3	54.8
10:35-10:40	55.0	54.3	13:35-13:40	56.0	54.2	16:35-16:40	59.9	55.3	19:35-19:40	55.3	54.9
10:40-10:45	54.6	54.1	13:40-13:45	55.2	54.4	16:40-16:45	56.1	54.7	19:40-19:45	55.4	55.0
10:45-10:50	54.9	53.9	13:45-13:50	55.5	54.5	16:45-16:50	55.4	54.8	19:45-19:50	55.5	55.1
10:50-10:55	54.8	53.9	13:50-13:55	56.5	55.0	16:50-16:55	56.0	55.2	19:50-19:55	55.5	55.1
10:55-11:00	55.7	54.0	13:55-14:00	57.8	56.7	16:55-17:00	56.2	55.0	19:55-20:00	57.4	55.2

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District,

Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 18-19, 2022
Measured By : Mr.Nilad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165695
Reported Number : NCC279/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	56.4	55.5	23:00-23:05	56.7	55.9	02:00-02:05	55.4	55.0	05:00-05:05	58.5	54.7
20:05-20:10	56.3	54.9	23:05-23:10	56.6	56.2	02:05-02:10	55.2	54.7	05:05-05:10	61.4	54.7
20:10-20:15	55.4	54.7	23:10-23:15	56.2	55.8	02:10-02:15	55.2	54.8	05:10-05:15	56.1	54.3
20:15-20:20	55.8	54.4	23:15-23:20	56.3	55.8	02:15-02:20	55.5	55.0	05:15-05:20	56.9	54.5
20:20-20:25	55.2	54.5	23:20-23:25	56.2	55.8	02:20-02:25	55.3	54.9	05:20-05:25	58.3	54.8
20:25-20:30	55.6	54.6	23:25-23:30	57.0	55.8	02:25-02:30	55.5	54.8	05:25-05:30	58.6	54.6
20:30-20:35	55.6	54.4	23:30-23:35	56.2	55.7	02:30-02:35	55.1	54.7	05:30-05:35	57.4	54.7
20:35-20:40	55.0	54.5	23:35-23:40	56.0	55.3	02:35-02:40	55.0	54.7	05:35-05:40	58.9	54.9
20:40-20:45	55.1	54.5	23:40-23:45	56.1	55.3	02:40-02:45	55.1	54.6	05:40-05:45	58.1	55.8
20:45-20:50	55.1	54.5	23:45-23:50	55.9	55.3	02:45-02:50	55.0	54.7	05:45-05:50	57.0	55.8
20:50-20:55	55.2	54.7	23:50-23:55	55.8	55.2	02:50-02:55	55.4	54.9	05:50-05:55	57.0	55.8
20:55-21:00	55.1	54.6	23:55-00:00	56.0	55.5	02:55-03:00	55.5	55.0	05:55-06:00	56.7	55.6
21:00-21:05	55.1	54.6	00:00-00:05	55.8	55.3	03:00-03:05	55.2	54.8	06:00-06:05	56.6	55.5
21:05-21:10	55.0	54.5	00:05-00:10	55.8	55.3	03:05-03:10	55.3	54.8	06:05-06:10	57.3	54.7
21:10-21:15	55.2	54.7	00:10-00:15	55.7	55.3	03:10-03:15	55.1	54.6	06:10-06:15	56.6	54.9
21:15-21:20	55.3	54.7	00:15-00:20	55.9	55.2	03:15-03:20	54.4	53.4	06:15-06:20	56.6	54.8
21:20-21:25	55.2	54.7	00:20-00:25	56.9	55.2	03:20-03:25	53.8	53.3	06:20-06:25	57.3	55.0
21:25-21:30	55.1	54.6	00:25-00:30	57.7	55.3	03:25-03:30	53.8	53.4	06:25-06:30	56.5	55.3
21:30-21:35	55.0	54.5	00:30-00:35	55.9	55.1	03:30-03:35	54.0	53.4	06:30-06:35	57.3	55.3
21:35-21:40	55.1	54.5	00:35-00:40	55.5	55.1	03:35-03:40	54.0	53.4	06:35-06:40	56.5	55.4
21:40-21:45	55.4	55.0	00:40-00:45	54.8	53.5	03:40-03:45	54.0	53.4	06:40-06:45	56.6	55.7
21:45-21:50	55.3	54.8	00:45-00:50	54.1	53.5	03:45-03:50	54.1	53.5	06:45-06:50	56.6	55.8
21:50-21:55	55.1	54.7	00:50-00:55	54.8	53.7	03:50-03:55	54.0	53.4	06:50-06:55	56.9	55.4
21:55-22:00	55.3	54.7	00:55-01:00	56.0	55.3	03:55-04:00	54.4	53.6	06:55-07:00	56.4	55.3
22:00-22:05	55.9	54.7	01:00-01:05	55.7	55.3	04:00-04:05	60.1	53.9	07:00-07:05	57.1	55.5
22:05-22:10	57.1	56.6	01:05-01:10	55.6	55.1	04:05-04:10	55.0	53.8	07:05-07:10	56.8	55.7
22:10-22:15	57.7	56.6	01:10-01:15	55.6	55.2	04:10-04:15	54.5	53.8	07:10-07:15	57.5	55.9
22:15-22:20	57.0	56.6	01:15-01:20	55.4	55.0	04:15-04:20	54.7	54.0	07:15-07:20	57.2	55.6
22:20-22:25	57.4	56.6	01:20-01:25	55.3	54.9	04:20-04:25	54.6	53.8	07:20-07:25	56.8	55.8
22:25-22:30	57.1	56.5	01:25-01:30	55.2	54.8	04:25-04:30	54.8	54.1	07:25-07:30	56.9	55.8
22:30-22:35	56.9	56.4	01:30-01:35	55.2	54.7	04:30-04:35	55.1	53.9	07:30-07:35	57.7	56.5
22:35-22:40	56.5	56.1	01:35-01:40	55.2	54.8	04:35-04:40	57.4	53.9	07:35-07:40	57.3	56.2
22:40-22:45	56.5	56.1	01:40-01:45	55.0	54.3	04:40-04:45	55.1	54.2	07:40-07:45	59.7	55.9
22:45-22:50	56.5	56.0	01:45-01:50	53.3	52.9	04:45-04:50	55.7	54.1	07:45-07:50	59.4	55.4
22:50-22:55	56.4	55.9	01:50-01:55	54.4	53.0	04:50-04:55	61.1	54.5	07:50-07:55	56.6	55.2
22:55-23:00	56.3	54.4	01:55-02:00	55.4	54.9	04:55-05:00	56.9	54.3	07:55-08:00	57.4	55.7

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District,

Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674293 E, 1550822 N
Measured Date : May 19, 2022
Measured By : Mr.Nilad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165695
Reported Number : NCC279/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	59.6	55.6	11:00-11:05	56.5	55.3	14:00-14:05	55.5	54.7	17:00-17:05	56.7	55.3
08:05-08:10	57.0	55.6	11:05-11:10	56.4	55.4	14:05-14:10	54.8	54.1	17:05-17:10	57.9	55.6
08:10-08:15	59.5	55.4	11:10-11:15	56.3	55.4	14:10-14:15	54.7	54.1	17:10-17:15	56.8	55.4
08:15-08:20	57.4	55.4	11:15-11:20	55.7	54.9	14:15-14:20	55.1	54.5	17:15-17:20	55.8	55.0
08:20-08:25	56.4	55.1	11:20-11:25	60.6	55.4	14:20-14:25	54.5	53.7	17:20-17:25	56.4	55.1
08:25-08:30	56.2	55.1	11:25-11:30	64.4	55.8	14:25-14:30	55.4	54.0	17:25-17:30	55.9	55.1
08:30-08:35	56.7	54.9	11:30-11:35	59.1	54.9	14:30-14:35	55.5	54.4	17:30-17:35	56.0	55.1
08:35-08:40	56.9	54.8	11:35-11:40	55.2	54.4	14:35-14:40	55.1	54.2	17:35-17:40	55.9	55.0
08:40-08:45	55.5	54.8	11:40-11:45	57.8	54.6	14:40-14:45	55.9	54.7	17:40-17:45	55.7	55.0
08:45-08:50	56.3	55.4	11:45-11:50	61.1	54.9	14:45-14:50	56.0	54.2	17:45-17:50	56.2	55.0
08:50-08:55	56.1	54.8	11:50-11:55	59.0	54.7	14:50-14:55	55.4	54.6	17:50-17:55	59.5	56.9
08:55-09:00	56.4	55.0	11:55-12:00	55.4	54.7	14:55-15:00	56.9	55.1	17:55-18:00	60.6	56.5
09:00-09:05	56.7	55.7	12:00-12:05	56.5	55.5	15:00-15:05	56.4	55.7	18:00-18:05	56.2	55.5
09:05-09:10	56.1	55.3	12:05-12:10	55.5	54.9	15:05-15:10	56.1	55.3	18:05-18:10	56.9	55.7
09:10-09:15	56.2	55.0	12:10-12:15	55.3	54.8	15:10-15:15	58.6	55.1	18:10-18:15	56.8	55.1
09:15-09:20	55.7	55.0	12:15-12:20	56.2	55.6	15:15-15:20	55.8	55.1	18:15-18:20	57.2	55.4
09:20-09:25	56.0	55.0	12:20-12:25	58.5	55.3	15:20-15:25	55.6	54.8	18:20-18:25	57.4	55.7
09:25-09:30	56.2	55.1	12:25-12:30	57.4	55.2	15:25-15:30	56.2	55.0	18:25-18:30	60.1	55.9
09:30-09:35	56.4	55.3	12:30-12:35	58.6	55.5	15:30-15:35	56.2	54.1	18:30-18:35	57.3	55.9
09:35-09:40	55.7	54.9	12:35-12:40	60.0	55.0	15:35-15:40	55.0	54.1	18:35-18:40	59.1	56.2
09:40-09:45	56.1	55.4	12:40-12:45	59.5	54.7	15:40-15:45	57.4	55.2	18:40-18:45	58.8	57.3
09:45-09:50	55.5	54.8	12:45-12:50	56.0	55.4	15:45-15:50	55.7	54.6	18:45-18:50	59.9	58.4
09:50-09:55	55.9	54.8	12:50-12:55	55.6	54.7	15:50-15:55	55.3	54.4	18:50-18:55	59.4	58.6
09:55-10:00	56.6	55.3	12:55-13:00	55.5	54.5	15:55-16:00	55.7	54.7	18:55-19:00	59.0	58.3
10:00-10:05	56.0	55.1	13:00-13:05	59.2	54.5	16:00-16:05	55.5	54.8	19:00-19:05	58.9	57.4
10:05-10:10	60.4	55.3	13:05-13:10	56.0	55.1	16:05-16:10	55.9	54.4	19:05-19:10	58.3	57.2
10:10-10:15	60.3	55.2	13:10-13:15	56.4	54.5	16:10-16:15	55.6	54.6	19:10-19:15	57.5	56.5
10:15-10:20	55.6	54.7	13:15-13:20	55.2	54.3	16:15-16:20	56.6	54.7	19:15-19:20	57.0	56.2
10:20-10:25	59.5	58.4	13:20-13:25	55.5	54.6	16:20-16:25	56.2	54.8	19:20-19:25	57.0	56.2
10:25-10:30	57.8	55.1	13:25-13:30	56.0	54.7	16:25-16:30	59.3	55.1	19:25-19:30	57.9	55.6
10:30-10:35	56.8	55.1	13:30-13:35	55.9	54.7	16:30-16:35	58.6	55.9	19:30-19:35	57.0	55.7
10:35-10:40	56.4	55.0	13:35-13:40	54.8	54.3	16:35-16:40	57.7	55.2	19:35-19:40	56.3	55.6
10:40-10:45	56.8	55.1	13:40-13:45	54.9	54.1	16:40-16:45	57.1	55.1	19:40-19:45	56.4	55.6
10:45-10:50	55.9	55.0	13:45-13:50	56.1	55.0	16:45-16:50	59.7	55.5	19:45-19:50	55.9	55.2
10:50-10:55	55.7	54.9	13:50-13:55	54.9	54.1	16:50-16:55	58.9	55.4	19:50-19:55	56.4	55.8
10:55-11:00	56.4	55.7	13:55-14:00	55.5	54.3	16:55-17:00	59.1	55.7	19:55-20:00	56.1	55.4

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- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- Klong Luang Utilities Company Limited

222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

Electricity and Steam Generating Cogeneration, Pathumthani Province Project

1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province

Ambient Noise

Staff Dormitory of Teljin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
- GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- UTM (WGS84) 47P 0674293 E, 1550822 N

May 19-20, 2022

Mr Nilad Sirichad

Environment Research & Technology Co., Ltd.

Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165695

NCC279/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	55.4	55.4	23:00-23:05	55.1	54.7	02:00-02:05	55.7	54.2	05:00-05:05	57.2	54.6
20:05-20:10	56.1	55.9	23:05-23:10	55.7	55.0	02:05-02:10	56.2	55.2	05:05-05:10	59.1	54.4
20:10-20:15	57.1	55.7	23:10-23:15	55.4	54.8	02:10-02:15	55.4	55.2	05:10-05:15	55.4	54.4
20:15-20:20	56.6	55.6	23:15-23:20	56.8	55.4	02:15-02:20	55.5	55.1	05:15-05:20	56.0	54.5
20:20-20:25	56.1	55.4	23:20-23:25	57.5	56.2	02:20-02:25	55.2	54.9	05:20-05:25	60.3	54.5
20:25-20:30	56.2	55.4	23:25-23:30	57.3	56.3	02:25-02:30	55.0	54.7	05:25-05:30	59.3	54.6
20:30-20:35	56.7	55.3	23:30-23:35	56.6	56.1	02:30-02:35	55.3	54.6	05:30-05:35	55.8	54.8
20:35-20:40	56.5	55.8	23:35-23:40	56.5	56.0	02:35-02:40	55.1	54.7	05:35-05:40	56.1	54.8
20:40-20:45	56.0	55.4	23:40-23:45	56.6	56.0	02:40-02:45	55.1	54.5	05:40-05:45	56.0	54.8
20:45-20:50	55.8	55.2	23:45-23:50	56.6	56.1	02:45-02:50	54.2	53.8	05:45-05:50	57.4	54.6
20:50-20:55	55.9	55.3	23:50-23:55	56.3	55.9	02:50-02:55	54.1	53.8	05:50-05:55	55.7	54.6
20:55-21:00	56.1	55.4	23:55-00:00	56.0	55.6	02:55-03:00	54.0	53.6	05:55-06:00	56.2	54.8
21:00-21:05	56.0	55.5	00:00-00:05	56.2	55.7	03:00-03:05	54.1	53.5	06:00-06:05	55.4	54.5
21:05-21:10	55.9	55.2	00:05-00:10	56.1	55.6	03:05-03:10	53.9	53.4	06:05-06:10	56.0	54.8
21:10-21:15	56.0	55.3	00:10-00:15	56.0	55.6	03:10-03:15	53.8	53.4	06:10-06:15	56.3	54.7
21:15-21:20	55.6	55.2	00:15-00:20	56.7	55.7	03:15-03:20	53.9	53.5	06:15-06:20	56.1	54.5
21:20-21:25	56.0	55.3	00:20-00:25	55.7	55.2	03:20-03:25	53.9	53.3	06:20-06:25	56.7	54.8
21:25-21:30	55.8	55.2	00:25-00:30	56.1	55.2	03:25-03:30	53.6	53.1	06:25-06:30	56.7	54.8
21:30-21:35	55.9	55.3	00:30-00:35	55.6	55.1	03:30-03:35	53.6	53.2	06:30-06:35	55.8	54.8
21:35-21:40	55.9	55.3	00:35-00:40	55.6	55.1	03:35-03:40	53.6	53.0	06:35-06:40	57.1	54.7
21:40-21:45	56.0	55.3	00:40-00:45	55.3	53.9	03:40-03:45	53.8	53.2	06:40-06:45	55.5	54.5
21:45-21:50	55.9	55.2	00:45-00:50	54.3	53.8	03:45-03:50	54.5	53.9	06:45-06:50	59.1	54.9
21:50-21:55	55.7	54.9	00:50-00:55	55.1	54.2	03:50-03:55	58.2	54.1	06:50-06:55	57.2	54.8
21:55-22:00	55.9	55.4	00:55-01:00	55.8	55.3	03:55-04:00	55.6	54.4	06:55-07:00	56.2	54.5
22:00-22:05	55.8	55.2	01:00-01:05	55.8	55.4	04:00-04:05	55.3	54.7	07:00-07:05	55.5	54.6
22:05-22:10	55.9	55.2	01:05-01:10	55.9	55.3	04:05-04:10	55.6	55.0	07:05-07:10	55.9	54.9
22:10-22:15	56.0	55.0	01:10-01:15	55.6	55.2	04:10-04:15	55.3	54.8	07:10-07:15	56.1	54.7
22:15-22:20	57.0	55.4	01:15-01:20	55.3	54.8	04:15-04:20	55.5	54.8	07:15-07:20	56.2	54.9
22:20-22:25	55.9	55.0	01:20-01:25	55.3	54.4	04:20-04:25	56.9	55.2	07:20-07:25	56.0	55.0
22:25-22:30	55.6	55.1	01:25-01:30	54.5	53.5	04:25-04:30	57.0	54.8	07:25-07:30	56.3	55.0
22:30-22:35	56.1	55.4	01:30-01:35	54.2	53.7	04:30-04:35	58.9	54.5	07:30-07:35	56.0	54.8
22:35-22:40	55.7	54.9	01:35-01:40	54.4	53.7	04:35-04:40	56.0	54.7	07:35-07:40	56.3	55.4
22:40-22:45	55.5	54.8	01:40-01:45	54.3	53.8	04:40-04:45	54.8	54.3	07:40-07:45	57.3	55.0
22:45-22:50	55.3	54.8	01:45-01:50	54.0	53.3	04:45-04:50	58.1	54.5	07:45-07:50	55.8	54.9
22:50-22:55	55.2	54.6	01:50-01:55	54.6	53.6	04:50-04:55	61.1	54.7	07:50-07:55	56.4	55.0
22:55-23:00	55.1	54.6	01:55-02:00	54.4	53.6	04:55-05:00	59.7	54.9	07:55-08:00	55.9	54.8

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Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	59.0	55.8	11:00-11:05	56.4	55.4	14:00-14:05	56.4	55.2	17:00-17:05	55.5	54.8
08:05-08:10	58.3	54.9	11:05-11:10	56.2	55.1	14:05-14:10	56.0	55.1	17:05-17:10	56.9	55.5
08:10-08:15	55.7	54.9	11:10-11:15	56.0	55.2	14:10-14:15	56.4	54.9	17:10-17:15	58.0	55.6
08:15-08:20	55.3	54.7	11:15-11:20	56.0	55.3	14:15-14:20	59.4	55.6	17:15-17:20	56.1	54.7
08:20-08:25	56.5	55.3	11:20-11:25	56.1	55.4	14:20-14:25	56.4	55.4	17:20-17:25	55.9	55.0
08:25-08:30	55.5	54.9	11:25-11:30	56.5	55.0	14:25-14:30	56.6	55.3	17:25-17:30	55.6	55.1
08:30-08:35	55.3	54.7	11:30-11:35	56.1	55.1	14:30-14:35	57.0	55.7	17:30-17:35	55.7	54.9
08:35-08:40	55.6	54.8	11:35-11:40	56.0	55.1	14:35-14:40	55.9	55.2	17:35-17:40	56.0	54.9
08:40-08:45	55.2	54.4	11:40-11:45	55.9	55.0	14:40-14:45	56.5	55.6	17:40-17:45	58.6	55.5
08:45-08:50	55.3	54.7	11:45-11:50	63.0	55.8	14:45-14:50	56.4	55.3	17:45-17:50	58.6	55.6
08:50-08:55	60.8	54.6	11:50-11:55	55.7	55.1	14:50-14:55	55.4	54.7	17:50-17:55	56.4	55.4
08:55-09:00	61.2	54.6	11:55-12:00	55.6	54.7	14:55-15:00	57.1	55.3	17:55-18:00	56.3	55.4
09:00-09:05	55.5	54.8	12:00-12:05	55.8	55.1	15:00-15:05	56.0	55.2	18:00-18:05	56.0	54.9
09:05-09:10	55.7	54.9	12:05-12:10	55.6	54.8	15:05-15:10	56.1	55.4	18:05-18:10	56.3	55.4
09:10-09:15	56.9	55.5	12:10-12:15	56.1	55.3	15:10-15:15	56.5	55.4	18:10-18:15	58.7	54.8
09:15-09:20	56.0	55.3	12:15-12:20	56.1	55.4	15:15-15:20	57.4	56.1	18:15-18:20	55.9	55.3
09:20-09:25	56.7	54.8	12:20-12:25	55.6	54.7	15:20-15:25	57.1	56.1	18:20-18:25	57.7	55.3
09:25-09:30	55.7	54.9	12:25-12:30	56.2	55.0	15:25-15:30	57.0	56.0	18:25-18:30	55.8	54.8
09:30-09:35	55.1	54.3	12:30-12:35	56.2	55.3	15:30-15:35	56.7	56.0	18:30-18:35	56.6	55.6
09:35-09:40	55.9	54.4	12:35-12:40	56.2	55.5	15:35-15:40	57.5	55.7	18:35-18:40	57.4	55.9
09:40-09:45	56.0	54.5	12:40-12:45	56.0	55.3	15:40-15:45	56.0	55.3	18:40-18:45	57.7	56.2
09:45-09:50	55.3	54.5	12:45-12:50	56.8	55.7	15:45-15:50	55.3	54.6	18:45-18:50	57.7	56.3
09:50-09:55	60.4	54.7	12:50-12:55	55.1	54.6	15:50-15:55	55.8	55.1	18:50-18:55	58.7	57.2
09:55-10:00	59.0	54.7	12:55-13:00	56.6	55.3	15:55-16:00	55.7	54.8	18:55-19:00	57.4	56.2
10:00-10:05	55.3	54.7	13:00-13:05	57.2	55.3	16:00-16:05	55.8	55.0	19:00-19:05	57.6	56.9
10:05-10:10	55.3	54.5	13:05-13:10	56.2	55.5	16:05-16:10	55.8	55.1	19:05-19:10	58.9	56.9
10:10-10:15	56.2	55.4	13:10-13:15	56.3	55.2	16:10-16:15	56.4	55.4	19:10-19:15	57.1	56.1
10:15-10:20	55.3	54.6	13:15-13:20	56.2	55.5	16:15-16:20	57.6	55.4	19:15-19:20	59.4	56.3
10:20-10:25	55.6	54.8	13:20-13:25	56.4	55.7	16:20-16:25	57.4	55.3	19:20-19:25	56.8	56.1
10:25-10:30	55.9	54.7	13:25-13:30	55.8	55.1	16:25-16:30	57.0	55.9	19:25-19:30	55.8	55.1
10:30-10:35	56.4	55.6	13:30-13:35	56.1	55.3	16:30-16:35	56.3	55.4	19:30-19:35	55.6	54.9
10:35-10:40	56.7	54.9	13:35-13:40	56.7	55.7	16:35-16:40	56.0	55.1	19:35-19:40	56.0	55.5
10:40-10:45	55.8	55.1	13:40-13:45	56.5	55.7	16:40-16:45	60.0	54.8	19:40-19:45	55.5	55.0
10:45-10:50	55.4	54.5	13:45-13:50	56.5	55.3	16:45-16:50	55.9	54.8	19:45-19:50	56.0	55.2
10:50-10:55	56.2	54.4	13:50-13:55	56.1	55.4	16:50-16:55	60.6	55.9	19:50-19:55	55.6	55.1
10:55-11:00	55.4	55.4	13:55-14:00	56.1	55.2	16:55-17:00	56.7	55.4	19:55-20:00	55.8	55.2

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY
Page 5/14

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Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	56.0	54.9	23:00-23:05	54.2	53.8	02:00-02:05	54.5	54.1	05:00-05:05	59.3	55.2
20:05-20:10	55.9	55.1	23:05-23:10	54.1	53.7	02:05-02:10	54.1	53.6	05:05-05:10	58.5	55.7
20:10-20:15	56.2	55.2	23:10-23:15	54.3	53.9	02:10-02:15	54.3	53.8	05:10-05:15	59.0	55.3
20:15-20:20	55.9	55.1	23:15-23:20	54.8	54.2	02:15-02:20	54.6	54.2	05:15-05:20	59.7	55.3
20:20-20:25	56.0	55.1	23:20-23:25	54.7	54.1	02:20-02:25	54.5	54.2	05:20-05:25	60.7	55.5
20:25-20:30	56.2	55.3	23:25-23:30	54.7	54.1	02:25-02:30	54.4	54.0	05:25-05:30	60.0	55.1
20:30-20:35	55.5	54.9	23:30-23:35	54.6	54.0	02:30-02:35	54.4	54.0	05:30-05:35	60.9	55.5
20:35-20:40	55.3	54.8	23:35-23:40	54.8	54.3	02:35-02:40	54.4	54.1	05:35-05:40	57.8	55.3
20:40-20:45	55.6	55.1	23:40-23:45	54.4	53.8	02:40-02:45	54.7	54.2	05:40-05:45	55.9	55.1
20:45-20:50	55.6	54.9	23:45-23:50	54.9	54.2	02:45-02:50	54.6	54.0	05:45-05:50	56.1	55.0
20:50-20:55	55.5	54.9	23:50-23:55	54.7	54.1	02:50-02:55	54.4	54.1	05:50-05:55	56.1	55.1
20:55-21:00	55.3	54.7	23:55-00:00	54.5	54.0	02:55-03:00	54.7	54.2	05:55-06:00	55.9	54.8
21:00-21:05	55.5	55.0	00:00-00:05	54.5	54.0	03:00-03:05	54.6	54.1	06:00-06:05	57.2	54.7
21:05-21:10	55.2	54.8	00:05-00:10	55.0	54.2	03:05-03:10	54.3	54.1	06:05-06:10	58.0	54.4
21:10-21:15	55.1	54.7	00:10-00:15	56.1	55.5	03:10-03:15	54.5	54.2	06:10-06:15	56.9	54.4
21:15-21:20	55.4	55.0	00:15-00:20	56.8	56.4	03:15-03:20	54.5	54.1	06:15-06:20	57.5	54.3
21:20-21:25	55.8	55.1	00:20-00:25	58.0	54.1	03:20-03:25	54.4	54.0	06:20-06:25	57.2	54.5
21:25-21:30	55.3	54.8	00:25-00:30	57.0	54.6	03:25-03:30	54.5	54.1	06:25-06:30	56.9	54.5
21:30-21:35	55.2	54.6	00:30-00:35	54.9	54.4	03:30-03:35	54.4	53.9	06:30-06:35	60.4	54.7
21:35-21:40	55.0	54.5	00:35-00:40	56.2	54.3	03:35-03:40	54.1	53.6	06:35-06:40	55.6	54.5
21:40-21:45	54.7	54.2	00:40-00:45	59.1	57.3	03:40-03:45	54.1	53.7	06:40-06:45	55.6	54.5
21:45-21:50	54.5	54.0	00:45-00:50	57.9	55.3	03:45-03:50	54.0	53.5	06:45-06:50	55.3	54.6
21:50-21:55	54.9	54.2	00:50-00:55	54.7	54.1	03:50-03:55	54.1	53.7	06:50-06:55	55.3	54.7
21:55-22:00	54.7	54.2	00:55-01:00	54.2	53.8	03:55-04:00	54.0	53.6	06:55-07:00	55.1	54.6
22:00-22:05	54.5	54.1	01:00-01:05	54.5	53.9	04:00-04:05	54.4	53.8	07:00-07:05	56.6	54.7
22:05-22:10	54.3	53.9	01:05-01:10	54.6	54.1	04:05-04:10	59.4	54.5	07:05-07:10	55.5	54.7
22:10-22:15	54.4	54.0	01:10-01:15	55.0	54.4	04:10-04:15	55.0	54.4	07:10-07:15	57.1	54.6
22:15-22:20	54.5	54.0	01:15-01:20	54.7	54.2	04:15-04:20	55.3	54.9	07:15-07:20	55.4	54.6
22:20-22:25	54.6	54.2	01:20-01:25	54.7	54.0	04:20-04:25	55.6	54.9	07:20-07:25	55.9	54.8
22:25-22:30	54.4	54.0	01:25-01:30	55.4	54.6	04:25-04:30	59.8	54.8	07:25-07:30	55.4	54.6
22:30-22:35	54.6	54.0	01:30-01:35	55.1	54.6	04:30-04:35	55.3	54.8	07:30-07:35	55.6	54.7
22:35-22:40	54.6	54.0	01:35-01:40	55.2	54.6	04:35-04:40	55.5	55.0	07:35-07:40	55.5	54.8
22:40-22:45	54.5	53.9	01:40-01:45	54.8	54.2	04:40-04:45	60.2	55.3	07:40-07:45	55.5	54.8
22:45-22:50	54.6	53.8	01:45-01:50	54.8	54.4	04:45-04:50	60.1	54.8	07:45-07:50	57.4	54.7
22:50-22:55	54.2	53.8	01:50-01:55	54.8	54.4	04:50-04:55	58.9	54.7	07:50-07:55	55.2	54.5
22:55-23:00	54.4	53.7	01:55-02:00	54.7	54.3	04:55-05:00	57.3	54.9	07:55-08:00	55.0	54.5

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Address

Project Name

Project Location

Measured Source

Measured Point
- Khlong Luang Utilities Company Limited

222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

Electricity and Steam Generating Cogeneration, Pathumthani Province Project

1/9 Moo 3, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

Ambient Noise

Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
- GPS, Coordinate

Measured Date

Measured By

Analzyed By

Measured Instrument

Reported Number
- UTM (WGS84) 47P 0674293 E, 1550822 N

May 21-22, 2022

Mr.Nilad Sirichad

Environment Research & Technology Co., Ltd.

Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165695

NCC279/2565

ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- Khlong Luang Utilities Company Limited

222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

Electricity and Steam Generating Cogeneration, Pathumthani Province Project

1/9 Moo 3, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

Ambient Noise

Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
- GPS, Coordinate

Measured Date

Measured By

Analzyed By

Measured Instrument

Reported Number
- UTM (WGS84) 47P 0674293 E, 1550822 N

May 22, 2022

Mr.Nilad Sirichad

Environment Research & Technology Co., Ltd.

Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165695

NCC279/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	54.8	54.2	11:00-11:05	55.0	54.4	14:00-14:05	56.0	54.9	17:00-17:05	56.2	55.2
08:05-08:10	54.8	54.3	11:05-11:10	55.9	55.0	14:05-14:10	55.3	54.7	17:05-17:10	57.0	55.4
08:10-08:15	55.3	54.7	11:10-11:15	56.5	55.6	14:10-14:15	55.4	54.7	17:10-17:15	56.3	55.4
08:15-08:20	55.8	54.8	11:15-11:20	61.0	55.7	14:15-14:20	55.6	54.9	17:15-17:20	58.9	55.2
08:20-08:25	55.3	54.6	11:20-11:25	59.7	55.4	14:20-14:25	55.7	54.7	17:20-17:25	56.3	55.3
08:25-08:30	58.9	54.9	11:25-11:30	55.2	54.6	14:25-14:30	56.4	55.4	17:25-17:30	55.7	55.0
08:30-08:35	57.0	55.2	11:30-11:35	60.0	54.8	14:30-14:35	55.8	55.1	17:30-17:35	56.2	55.5
08:35-08:40	55.9	55.3	11:35-11:40	55.6	54.7	14:35-14:40	56.4	55.3	17:35-17:40	56.2	55.4
08:40-08:45	55.8	55.2	11:40-11:45	58.0	54.6	14:40-14:45	56.6	55.3	17:40-17:45	56.7	55.3
08:45-08:50	56.6	55.5	11:45-11:50	57.9	54.6	14:45-14:50	55.9	54.9	17:45-17:50	56.7	56.0
08:50-08:55	56.2	55.4	11:50-11:55	55.2	54.7	14:50-14:55	55.1	54.4	17:50-17:55	55.3	54.6
08:55-09:00	56.3	55.5	11:55-12:00	55.0	54.6	14:55-15:00	56.1	54.3	17:55-18:00	56.4	54.7
09:00-09:05	55.9	55.3	12:00-12:05	59.4	54.7	15:00-15:05	55.0	54.2	18:00-18:05	55.5	54.6
09:05-09:10	65.2	57.3	12:05-12:10	58.7	55.1	15:05-15:10	55.3	54.4	18:05-18:10	58.3	54.4
09:10-09:15	57.1	55.8	12:10-12:15	57.1	55.0	15:10-15:15	55.3	54.5	18:10-18:15	58.4	54.8
09:15-09:20	56.2	54.9	12:15-12:20	56.0	54.9	15:15-15:20	54.8	54.0	18:15-18:20	55.6	54.7
09:20-09:25	55.7	54.9	12:20-12:25	56.0	55.0	15:20-15:25	55.1	54.4	18:20-18:25	55.4	54.6
09:25-09:30	56.2	55.3	12:25-12:30	58.7	55.1	15:25-15:30	55.0	54.4	18:25-18:30	56.3	55.2
09:30-09:35	55.0	54.2	12:30-12:35	55.2	54.6	15:30-15:35	54.8	54.3	18:30-18:35	57.3	55.7
09:35-09:40	56.2	54.9	12:35-12:40	56.0	55.1	15:35-15:40	55.8	54.7	18:35-18:40	57.7	55.8
09:40-09:45	54.9	54.2	12:40-12:45	55.5	54.9	15:40-15:45	57.8	54.9	18:40-18:45	57.5	56.0
09:45-09:50	55.1	54.2	12:45-12:50	55.5	54.6	15:45-15:50	56.7	54.8	18:45-18:50	60.3	56.4
09:50-09:55	54.5	54.0	12:50-12:55	56.1	55.1	15:50-15:55	55.1	54.5	18:50-18:55	61.5	57.7
09:55-10:00	55.2	54.3	12:55-13:00	56.2	54.7	15:55-16:00	55.2	54.5	18:55-19:00	59.6	58.2
10:00-10:05	55.4	54.3	13:00-13:05	55.2	54.5	16:00-16:05	55.5	54.7	19:00-19:05	60.5	57.4
10:05-10:10	55.1	54.3	13:05-13:10	55.5	54.8	16:05-16:10	55.1	54.4	19:05-19:10	58.5	57.6
10:10-10:15	54.8	54.0	13:10-13:15	56.2	55.0	16:10-16:15	55.7	54.5	19:10-19:15	57.7	57.0
10:15-10:20	54.4	53.7	13:15-13:20	55.4	54.7	16:15-16:20	55.9	55.1	19:15-19:20	56.8	56.4
10:20-10:25	55.3	53.9	13:20-13:25	56.0	55.2	16:20-16:25	55.4	54.5	19:20-19:25	56.9	56.2
10:25-10:30	54.9	54.1	13:25-13:30	55.4	54.9	16:25-16:30	55.4	54.6	19:25-19:30	56.8	56.1
10:30-10:35	54.4	53.7	13:30-13:35	55.6	54.8	16:30-16:35	55.3	54.7	19:30-19:35	56.4	56.0
10:35-10:40	54.5	54.0	13:35-13:40	55.8	55.0	16:35-16:40	56.8	55.2	19:35-19:40	56.4	55.9
10:40-10:45	54.8	54.2	13:40-13:45	56.3	55.4	16:40-16:45	56.6	55.2	19:40-19:45	56.3	56.0
10:45-10:50	55.1	54.6	13:45-13:50	55.9	54.9	16:45-16:50	55.7	55.0	19:45-19:50	56.2	55.9
10:50-10:55	55.9	54.9	13:50-13:55	55.8	55.1	16:50-16:55	57.3	55.5	19:50-19:55	56.3	56.0
10:55-11:00	54.8	54.2	13:55-14:00	57.3	54.9	16:55-17:00	56.6	55.4	19:55-20:00	56.3	55.9

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- Khlong Luang Utilities Company Limited

222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

Electricity and Steam Generating Cogeneration, Pathumthani Province Project

1/9 Moo 3, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

Ambient Noise

Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
- GPS, Coordinate

Measured Date

Measured By

Analzyed By

Measured Instrument

Reported Number
- UTM (WGS84) 47P 0674293 E, 1550822 N

May 22, 2022

Mr.Nilad Sirichad

Environment Research & Technology Co., Ltd.

Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 011656

ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- Khong Luang Utilities Company Limited

222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

Electricity and Steam Generating Cogeneration, Pathumthani Province Project

1/9 Moo 3, Khong Nueng Sub-District, Khong Luang District, Pathum Thani Province

Ambient Noise

Staff Dormitory of Teljin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

UTM (WGS84) 47P 0674293 E, 1550822 N

May 22-23, 2022

Mr Nilad Sirichad

Environment Research & Technology Co., Ltd.

Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165695

NCC279/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	56.2	55.9	23:00-23:05	54.1	53.6	02:00-02:05	54.9	54.6	05:00-05:05	56.9	54.5
20:05-20:10	56.3	56.0	23:05-23:10	54.0	53.6	02:05-02:10	54.9	54.5	05:05-05:10	55.8	54.5
20:10-20:15	56.2	55.8	23:10-23:15	54.0	53.5	02:10-02:15	54.9	54.6	05:10-05:15	55.7	54.2
20:15-20:20	56.1	55.8	23:15-23:20	54.8	53.4	02:15-02:20	55.0	54.6	05:15-05:20	60.1	54.5
20:20-20:25	55.9	54.2	23:20-23:25	53.8	53.3	02:20-02:25	55.1	54.8	05:20-05:25	59.6	54.8
20:25-20:30	55.7	53.9	23:25-23:30	53.7	53.3	02:25-02:30	55.2	54.9	05:25-05:30	58.8	54.8
20:30-20:35	56.3	55.9	23:30-23:35	53.8	53.4	02:30-02:35	55.3	54.8	05:30-05:35	56.3	54.2
20:35-20:40	56.5	56.0	23:35-23:40	53.8	53.3	02:35-02:40	55.2	54.8	05:35-05:40	54.8	54.2
20:40-20:45	56.6	56.2	23:40-23:45	53.6	53.2	02:40-02:45	55.1	54.7	05:40-05:45	55.9	54.4
20:45-20:50	56.5	56.1	23:45-23:50	53.5	53.1	02:45-02:50	55.0	54.6	05:45-05:50	57.4	54.3
20:50-20:55	56.1	55.8	23:50-23:55	54.1	53.5	02:50-02:55	55.2	54.8	05:50-05:55	57.5	54.3
20:55-21:00	56.1	55.7	23:55-00:00	54.1	53.7	02:55-03:00	55.2	54.8	05:55-06:00	57.9	54.7
21:00-21:05	54.0	53.6	00:00-00:05	54.0	53.5	03:00-03:05	55.2	54.9	06:00-06:05	58.8	54.4
21:05-21:10	54.1	53.6	00:05-00:10	53.7	53.3	03:05-03:10	55.2	54.8	06:05-06:10	59.7	54.4
21:10-21:15	54.1	53.6	00:10-00:15	53.9	53.5	03:10-03:15	55.2	54.8	06:10-06:15	58.5	54.6
21:15-21:20	54.6	53.7	00:15-00:20	54.1	53.6	03:15-03:20	55.2	54.8	06:15-06:20	55.5	54.3
21:20-21:25	54.5	54.0	00:20-00:25	54.1	53.5	03:20-03:25	55.3	54.9	06:20-06:25	59.2	54.4
21:25-21:30	54.3	53.8	00:25-00:30	53.7	53.3	03:25-03:30	55.7	55.2	06:25-06:30	55.6	54.3
21:30-21:35	54.1	53.7	00:30-00:35	54.0	53.4	03:30-03:35	55.9	55.1	06:30-06:35	55.7	54.3
21:35-21:40	55.7	53.7	00:35-00:40	53.9	53.4	03:35-03:40	55.5	55.1	06:35-06:40	56.5	54.4
21:40-21:45	54.2	53.7	00:40-00:45	53.8	53.4	03:40-03:45	55.0	54.4	06:40-06:45	55.6	54.2
21:45-21:50	54.1	53.7	00:45-00:50	53.7	53.3	03:45-03:50	54.5	54.1	06:45-06:50	55.0	54.2
21:50-21:55	53.9	53.6	00:50-00:55	54.0	53.3	03:50-03:55	54.8	54.0	06:50-06:55	55.2	54.1
21:55-22:00	54.1	53.7	00:55-01:00	54.2	53.6	03:55-04:00	54.6	54.1	06:55-07:00	56.5	54.6
22:00-22:05	54.0	53.6	01:00-01:05	53.7	53.3	04:00-04:05	54.4	53.9	07:00-07:05	56.1	54.4
22:05-22:10	53.9	53.5	01:05-01:10	54.0	53.5	04:05-04:10	54.4	53.9	07:05-07:10	55.6	54.4
22:10-22:15	54.1	53.7	01:10-01:15	53.9	53.4	04:10-04:15	54.2	53.8	07:10-07:15	55.6	54.2
22:15-22:20	54.3	53.9	01:15-01:20	54.4	53.7	04:15-04:20	54.8	53.9	07:15-07:20	55.8	54.6
22:20-22:25	54.0	53.6	01:20-01:25	55.1	54.7	04:20-04:25	55.5	54.0	07:20-07:25	55.4	54.4
22:25-22:30	54.1	53.7	01:25-01:30	55.1	54.8	04:25-04:30	58.3	54.1	07:25-07:30	55.0	54.3
22:30-22:35	54.3	53.6	01:30-01:35	55.2	54.7	04:30-04:35	58.5	54.1	07:30-07:35	55.5	54.1
22:35-22:40	54.1	53.6	01:35-01:40	55.1	54.7	04:35-04:40	54.6	54.1	07:35-07:40	55.9	54.4
22:40-22:45	53.9	53.4	01:40-01:45	55.1	54.7	04:40-04:45	58.6	54.2	07:40-07:45	55.1	54.2
22:45-22:50	53.9	53.5	01:45-01:50	54.9	54.5	04:45-04:50	57.2	53.9	07:45-07:50	57.4	54.9
22:50-22:55	54.1	53.6	01:50-01:55	54.9	54.5	04:50-04:55	54.4	54.4	07:50-07:55	55.1	54.0
22:55-23:00	54.2	53.5	01:55-02:00	54.9	54.6	04:55-05:00	60.3	54.2	07:55-08:00	55.3	54.0

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL
REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- Khong Luang Utilities Company Limited

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Electricity and Steam Generating Cogeneration, Pathumthani Province Project

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Ambient Noise

Staff Dormitory of Teljin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

UTM (WGS84) 47P 0674293 E, 1550822 N

May 23, 2022

Mr Nilad Sirichad

Environment Research & Technology Co., Ltd.

Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165695

NCC279/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	55.0	54.2	11:00-11:05	55.4	54.9	14:00-14:05	54.9	54.2	17:00-17:05	56.0	54.5
08:05-08:10	54.7	54.1	11:05-11:10	56.0	55.0	14:05-14:10	55.2	54.4	17:05-17:10	57.2	54.7
08:10-08:15	55.4	54.1	11:10-11:15	56.0	55.2	14:10-14:15	54.6	54.0	17:10-17:15	56.5	54.4
08:15-08:20	56.1	54.7	11:15-11:20	55.6	54.5	14:15-14:20	54.8	54.2	17:15-17:20	55.8	54.5
08:20-08:25	55.8	54.6	11:20-11:25	55.5	54.7	14:20-14:25	54.7	54.2	17:20-17:25	56.6	54.9
08:25-08:30	55.6	54.7	11:25-11:30	55.6	54.8	14:25-14:30	54.7	53.7	17:25-17:30	55.9	55.1
08:30-08:35	55.4	54.6	11:30-11:35	56.0	55.1	14:30-14:35	55.7	54.6	17:30-17:35	57.0	54.7
08:35-08:40	55.5	54.4	11:35-11:40	55.3	54.6	14:35-14:40	55.3	54.4	17:35-17:40	55.5	54.6
08:40-08:45	55.4	54.6	11:40-11:45	54.8	54.2	14:40-14:45	55.2	54.5	17:40-17:45	56.1	54.6
08:45-08:50	55.9	54.9	11:45-11:50	56.6	54.6	14:45-14:50	55.7	54.5	17:45-17:50	55.6	54.5
08:50-08:55	58.2	54.9	11:50-11:55	55.9	54.4	14:50-14:55	55.0	54.4	17:50-17:55	57.3	54.8
08:55-09:00	56.1	54.7	11:55-12:00	54.9	53.9	14:55-15:00	55.0	54.0	17:55-18:00	56.6	54.6
09:00-09:05	55.2	54.6	12:00-12:05	54.5	54.0	15:00-15:05	57.0	54.8	18:00-18:05	56.4	55.1
09:05-09:10	55.5	54.4	12:05-12:10	55.1	54.4	15:05-15:10	55.9	54.6	18:05-18:10	56.2	54.7
09:10-09:15	55.4	54.6	12:10-12:15	55.0	54.2	15:10-15:15	58.3	54.6	18:10-18:15	56.4	54.7
09:15-09:20	55.6	54.7	12:15-12:20	55.0	54.3	15:15-15:20	55.3	54.5	18:15-18:20	55.9	54.7
09:20-09:25	56.8	54.9	12:20-12:25	55.0	54.1	15:20-15:25	54.8	54.0	18:20-18:25	54.5	54.8
09:25-09:30	55.6	54.7	12:25-12:30	55.3	54.1	15:25-15:30	55.8	54.4	18:25-18:30	56.0	54.8
09:30-09:35	56.3	55.3	12:30-12:35	54.5	53.8	15:30-15:35	55.8	54.6	18:30-18:35	56.4	55.2
09:35-09:40	56.0	55.1	12:35-12:40	54.8	54.0	15:35-15:40	55.7	54.8	18:35-18:40	58.1	55.8
09:40-09:45	55.8	54.8	12:40-12:45	55.9	54.6	15:40-15:45	55.9	54.9	18:40-18:45	58.0	56.0
09:45-09:50	55.4	54.6	12:45-12:50	61.1	54.6	15:45-15:50	55.8	54.5	18:45-18:50	61.3	57.5
09:50-09:55	55.6	54.6	12:50-12:55	55.7	54.2	15:50-15:55	56.0	54.9	18:50-18:55	59.5	57.9
09:55-10:00	56.2	54.6	12:55-13:00	57.8	54.8	15:55-16:00	55.5	54.8	18:55-19:00	60.4	57.6
10:00-10:05	55.4	54.7	13:00-13:05	54.8	54.1	16:00-16:05	55.6	54.8	19:00-19:05	58.3	57.2
10:05-10:10	55.4	54.6	13:05-13:10	57.2	54.9	16:05-16:10	55.4	54.7	19:05-19:10	57.0	56.2
10:10-10:15	55.2	54.2	13:10-13:15	56.5	55.6	16:10-16:15	55.5	54.5	19:10-19:15	56.4	55.5
10:15-10:20	55.1	54.1	13:15-13:20	56.0	54.9	16:15-16:20	56.8	55.2	19:15-19:20	59.2	56.5
10:20-10:25	55.4	54.2	13:20-13:25	55.3	54.4	16:20-16:25	58.4	55.0	19:20-19:25	58.1	55.3
10:25-10:30	59.9	54.7	13:25-13:30	55.4	54.6	16:25-16:30	57.5	55.0	19:25-19:30	55.4	54.8
10:30-10:35	55.3	54.5	13:30-13:35	55.1	54.5	16:30-16:35	55.9	54.7	19:30-19:35	55.6	54.8
10:35-10:40	55.3	54.5	13:35-13:40	55.8	54.5	16:35-16:40	56.2	54.8	19:35-19:40	56.1	54.8
10:40-10:45	55.0	54.3	13:40-13:45	55.5	54.4	16:40-16:45	56.3	54.7	19:40-19:45	57.0	54.7
10:45-10:50	54.6	53.9	13:45-13:50	56.3	54.9	16:45-16:50	56.2	54.8	19:45-19:50	55.6	54.7
10:50-10:55	55.8	54.5	13:50-13:55	56.4	55.1	16:50-16:55	56.1	54.8	19:50-19:55	56.1	54.6
10:55-11:00	54.5	53.9	13:55-14:00	55.4	54.6	16:55-17:00	56.1	54.7	19:55-20:00	56.0	54.4

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ANALYSIS REPORT

- Klong Luang Utilities Company Limited
- 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksa, Bangkok 10210
- Electricity and Steam Generating Cogeneration, Pathumthani Province Project
- 1/9 Moo 3, Klong Nueang Sub-District, Klong Luang District, Pathum Thani Province
- Ambient Noise
- Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nuea Sub-District.

Khlong Luang District, Pathum Thani Province

: UTM (WGS84) 47P 0674293 E. 1550822 N

: May 23-24, 2022

: Mr. Nitad Sirichad

: Environment Research & Technology Co., Ltd.

: Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995

: NCC279/2565

Interval Time		Noise Level For 5 minutes, dB(A)		Interval Time		Noise Level For 5 minutes, dB(A)		Interval Time		Noise Level For 5 minutes, dB(A)		Interval Time		Noise Level For 5 minutes, dB(A)	
Leq	L90	Leq	L90	Leq	L90	Leq	L90	Leq	L90	Leq	L90	Leq	L90	Leq	L90
20:00-20:05	58.2	53.8	53.8	23:00-23:05	53.8	53.4	53.8	02:00-02:05	53.5	53.0	53.0	05:00-05:05	55.6	54.3	54.3
20:05-20:10	54.6	53.8	23:05-23:10	53.9	53.4	02:05-02:10	53.6	05:05-05:10	56.2	54.7	54.7	05:10-05:15	55.9	54.5	54.5
20:10-20:15	54.5	53.9	23:10-23:15	53.8	53.4	02:10-02:15	53.9	05:15-05:20	56.5	54.7	54.7	05:20-05:25	56.4	54.7	54.7
20:15-20:20	54.6	54.1	23:15-23:20	54.7	53.8	02:15-02:20	53.8	05:25-05:30	56.6	54.7	54.7	05:30-05:35	56.2	54.5	54.5
20:20-20:25	54.6	54.1	23:20-23:25	53.8	53.2	02:20-02:25	53.6	05:35-05:40	56.4	54.7	54.7	05:40-05:45	56.6	54.5	54.5
20:25-20:30	54.7	54.3	23:25-23:30	53.7	53.3	02:25-02:30	53.9	05:45-05:50	56.2	54.5	54.5	05:50-05:55	56.2	54.5	54.5
20:30-20:35	54.5	54.1	23:30-23:35	54.1	53.1	02:30-02:35	53.7	05:55-06:00	56.6	54.5	54.5	06:00-06:05	56.6	54.5	54.5
20:35-20:40	54.6	54.1	23:35-23:40	53.6	53.2	02:35-02:40	53.5	06:05-06:10	56.6	54.5	54.5	06:10-06:15	56.6	54.5	54.5
20:40-20:45	56.0	54.0	23:40-23:45	53.4	53.0	02:40-02:45	53.4	06:15-06:20	56.6	54.5	54.5	06:20-06:25	56.6	54.5	54.5
20:45-20:50	54.5	54.0	23:45-23:50	53.5	53.1	02:45-02:50	53.5	06:25-06:30	56.6	54.5	54.5	06:30-06:35	56.6	54.5	54.5
20:50-20:55	54.6	54.1	23:50-23:55	53.8	53.2	02:50-02:55	53.4	06:35-06:40	56.6	54.5	54.5	06:40-06:45	56.6	54.5	54.5
20:55-21:00	54.8	54.2	23:55-00:00	54.0	53.5	02:55-03:00	53.3	06:45-06:50	56.6	54.5	54.5	06:50-06:55	56.6	54.5	54.5
21:00-21:05	54.6	54.2	00:00-00:05	53.8	53.4	03:00-03:05	53.4	06:55-07:00	56.6	54.5	54.5	07:00-07:05	56.6	54.5	54.5
21:05-21:10	54.7	54.2	00:05-00:10	53.9	53.4	03:05-03:10	53.4	07:05-07:10	56.6	54.5	54.5	07:10-07:15	56.6	54.5	54.5
21:10-21:15	55.1	54.2	00:10-00:15	53.8	53.4	03:10-03:15	53.6	07:15-07:20	56.6	54.5	54.5	07:20-07:25	56.6	54.5	54.5
21:15-21:20	55.0	54.6	00:15-00:20	53.6	53.1	03:15-03:20	53.7	07:25-07:30	56.6	54.5	54.5	07:30-07:35	56.6	54.5	54.5
21:20-21:25	55.1	54.7	00:20-00:25	53.7	53.2	03:20-03:25	53.7	07:35-07:40	56.6	54.5	54.5	07:40-07:45	56.6	54.5	54.5
21:25-21:30	54.9	54.3	00:25-00:30	53.7	53.3	03:25-03:30	55.1	07:45-07:50	56.6	54.5	54.5	07:50-07:55	56.6	54.5	54.5
21:30-21:35	54.4	53.9	00:30-00:35	53.8	53.3	03:30-03:35	56.3	07:55-08:00	56.6	54.5	54.5	08:00-08:05	56.6	54.5	54.5
21:35-21:40	54.4	54.0	00:35-00:40	53.7	53.3	03:35-03:40	54.3	08:05-08:10	56.6	54.5	54.5	08:10-08:15	56.6	54.5	54.5
21:40-21:45	54.6	54.1	00:40-00:45	53.7	53.3	03:40-03:45	56.9	08:15-08:20	56.6	54.5	54.5	08:20-08:25	56.6	54.5	54.5
21:45-21:50	54.3	53.9	00:45-00:50	53.5	53.2	03:45-03:50	56.6	08:25-08:30	56.6	54.5	54.5	08:30-08:35	56.6	54.5	54.5
21:50-21:55	54.1	53.7	00:50-00:55	53.7	53.3	03:50-03:55	54.2	08:35-08:40	56.6	54.5	54.5	08:40-08:45	56.6	54.5	54.5
21:55-22:00	54.2	53.7	00:55-01:00	53.8	53.3	03:55-04:00	54.8	08:45-08:50	56.6	54.5	54.5	08:50-08:55	56.6	54.5	54.5
22:00-22:05	54.1	53.6	01:00-01:05	53.6	53.1	04:00-04:05	55.1	08:55-09:00	56.6	54.5	54.5	09:00-09:05	56.6	54.5	54.5
22:05-22:10	54.9	54.5	01:05-01:10	53.4	53.0	04:05-04:10	56.0	09:05-09:10	56.6	54.5	54.5	09:10-09:15	56.6	54.5	54.5
22:10-22:15	54.4	53.3	01:10-01:15	53.6	53.2	04:10-04:15	56.1	09:15-09:20	56.6	54.5	54.5	09:20-09:25	56.6	54.5	54.5
22:15-22:20	53.4	53.1	01:15-01:20	53.5	53.0	04:15-04:20	54.7	09:25-09:30	56.6	54.5	54.5	09:30-09:35	56.6	54.5	54.5
22:20-22:25	53.4	53.0	01:20-01:25	53.7	53.2	04:20-04:25	54.8	09:35-09:40	56.6	54.5	54.5	09:40-09:45	56.6	54.5	54.5
22:25-22:30	53.4	53.1	01:25-01:30	53.4	53.0	04:25-04:30	55.0	09:45-09:50	56.6	54.5	54.5	09:50-09:55	56.6	54.5	54.5
22:30-22:35	53.6	53.0	01:30-01:35	53.3	53.0	04:30-04:35	56.6	09:55-10:00	56.6	54.5	54.5	10:00-10:05	56.6	54.5	54.5
22:35-22:40	53.5	53.0	01:35-01:40	53.6	53.2	04:35-04:40	60.9	10:05-10:10	56.6	54.5	54.5	10:10-10:15	56.6	54.5	54.5
22:40-22:45	53.5	53.1	01:40-01:45	53.6	53.1	04:40-04:45	55.7	10:15-10:20	56.6	54.5	54.5	10:20-10:25	56.6	54.5	54.5
22:45-22:50	53.6	53.2	01:45-01:50	53.6	53.1	04:45-04:50	58.2	10:25-10:30	56.6	54.5	54.5	10:30-10:35	56.6	54.5	54.5
22:50-22:55	53.6	53.3	01:50-01:55	53.6	53.1	04:50-04:55	55.3	10:35-10:40	56.6	54.5	54.5	10:40-10:45	56.6	54.5	54.5
22:55-23:00	53.6	53.3	01:55-02:00	53.6	53.2	04:55-05:00	55.4	10:45-10:50	56.6	54.5	54.5	10:50-10:55	56.6	54.5	54.5

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ANALYSIS REPORT

- Klong Luang Utilities Company Limited
- 222 ECO Tower, Vibhavadi Rangsit Road, Tungsoinghong, Laksi, Bangkok 10210
- Electricity and Steam Generating Cooperation, Pathumthani Province Project
- 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
- Ambient Noise
- Staff Dormitory of Teijin Polyester (Thailand) Co. Ltd., Khlong Nueng Sub-District,

Khlong Luang District, Pathum Thani Province

: UTM (WGS84) 47P 0674293 E 1550822 N

: May 24, 2022

: Mr. Nitad Sirichad

: Environment Research & Technology Co., Ltd.

: Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 01165995

: NCC279/2565

Interval Time		Noise Level For 5 minutes, dB(A) Leq	Noise Level For 10(A) dB(A)	Interval Time		Noise Level For 5 minutes, dB(A) Leq	Noise Level For 10(A) dB(A)	Interval Time		Noise Level For 5 minutes, dB(A) Leq	Noise Level For 10(A) dB(A)
08:00-08:05	55.1	54.3	11:00-11:05	55.0	54.4	14:00-14:05	54.8	54.0	17:00-17:05	57.1	54.7
08:05-08:10	55.3	54.4	11:05-11:10	55.4	54.1	14:05-14:10	54.5	54.1	17:05-17:10	57.0	54.8
08:10-08:15	55.5	54.2	11:10-11:15	57.1	55.7	14:10-14:15	55.0	54.4	17:10-17:15	55.8	54.5
08:15-08:20	56.4	54.8	11:15-11:20	57.1	55.7	14:15-14:20	54.9	54.3	17:15-17:20	55.8	54.5
08:20-08:25	55.9	54.9	11:20-11:25	56.8	55.6	14:20-14:25	55.3	54.1	17:20-17:25	55.2	54.2
08:25-08:30	58.9	54.9	11:25-11:30	56.9	55.9	14:25-14:30	55.4	53.9	17:25-17:30	55.3	54.0
08:30-08:35	56.6	55.3	11:30-11:35	56.1	55.0	14:30-14:35	54.8	54.0	17:30-17:35	56.6	54.1
08:35-08:40	64.4	55.9	11:35-11:40	55.8	54.7	14:35-14:40	55.1	54.2	17:35-17:40	55.5	54.5
08:40-08:45	59.1	58.1	11:40-11:45	55.5	54.7	14:40-14:45	54.6	53.3	17:40-17:45	55.2	54.2
08:45-08:50	58.5	57.6	11:45-11:50	55.2	54.4	14:45-14:50	54.7	53.8	17:45-17:50	55.0	54.0
08:50-08:55	57.6	55.0	11:50-11:55	55.0	54.0	14:50-14:55	54.4	53.7	17:50-17:55	56.6	53.9
08:55-09:00	55.5	54.8	11:55-12:00	54.6	54.1	14:55-15:00	55.8	54.5	17:55-18:00	58.3	54.1
09:00-09:05	55.4	54.4	12:00-12:05	54.6	54.4	15:00-15:05	55.1	54.5	18:00-18:05	59.1	54.3
09:05-09:10	55.5	54.6	12:05-12:10	55.5	54.6	15:05-15:10	55.9	54.8	18:05-18:10	56.2	54.0
09:10-09:15	55.3	54.5	12:10-12:15	55.2	54.4	15:10-15:15	56.6	53.7	18:10-18:15	55.6	54.1
09:15-09:20	57.2	54.6	12:15-12:20	55.0	54.4	15:15-15:20	54.9	54.1	18:15-18:20	55.7	54.1
09:20-09:25	55.4	54.2	12:20-12:25	55.6	54.5	15:20-15:25	55.1	54.0	18:20-18:25	62.4	54.2
09:25-09:30	61.2	55.0	12:25-12:30	55.6	54.1	15:25-15:30	54.4	53.6	18:25-18:30	58.1	54.7
09:30-09:35	56.0	55.1	12:30-12:35	55.4	54.9	15:30-15:35	54.7	53.9	18:30-18:35	58.6	56.4
09:35-09:40	55.4	54.7	12:35-12:40	56.2	55.2	15:35-15:40	55.2	54.2	18:35-18:40	59.9	57.0
09:40-09:45	54.8	54.1	12:40-12:45	56.4	55.5	15:40-15:45	54.7	54.0	18:40-18:45	59.1	57.2
09:45-09:50	55.1	54.6	12:45-12:50	55.5	55.0	15:45-15:50	55.1	54.1	18:45-18:50	58.9	57.2
09:50-09:55	55.8	54.6	12:50-12:55	55.5	54.8	15:50-15:55	55.3	54.1	18:50-18:55	58.6	57.0
09:55-10:00	55.4	54.6	12:55-13:00	55.2	54.5	15:55-16:00	55.2	54.3	18:55-19:00	56.7	55.6
10:00-10:05	55.0	54.4	13:00-13:05	55.4	54.8	16:00-16:05	55.4	54.2	19:00-19:05	56.1	55.0
10:05-10:10	55.1	54.2	13:05-13:10	55.6	55.0	16:05-16:10	60.4	54.1	19:05-19:10	58.0	54.5
10:10-10:15	55.5	54.0	13:10-13:15	56.0	55.1	16:10-16:15	59.7	54.1	19:10-19:15	58.5	54.9
10:15-10:20	56.1	54.6	13:15-13:20	56.1	55.1	16:15-16:20	55.7	54.7	19:15-19:20	54.5	53.2
10:20-10:25	55.5	54.8	13:20-13:25	54.8	54.3	16:20-16:25	60.4	54.6	19:20-19:25	55.1	54.2
10:25-10:30	55.7	55.0	13:25-13:30	55.2	54.3	16:25-16:30	55.2	54.4	19:25-19:30	54.4	53.9
10:30-10:35	55.3	54.5	13:30-13:35	54.8	54.2	16:30-16:35	57.4	54.6	19:30-19:35	54.5	53.9
10:35-10:40	56.0	54.8	13:35-13:40	55.0	54.3	16:35-16:40	57.3	56.0	19:35-19:40	54.6	54.0
10:40-10:45	54.6	53.9	13:40-13:45	54.8	54.3	16:40-16:45	56.4	54.8	19:40-19:45	55.1	54.1
10:45-10:50	55.5	54.6	13:45-13:50	55.9	54.6	16:45-16:50	55.4	54.6	19:45-19:50	54.6	54.0
10:50-10:55	54.9	54.2	13:50-13:55	56.5	54.9	16:50-16:55	55.0	54.4	19:50-19:55	54.8	53.9
10:55-11:00	55.8	54.7	13:55-14:00	55.4	54.7	16:55-17:00	56.1	54.8	19:55-20:00	63.7	53.9

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ANALYSIS REPORT

Customer Name	: Klong Luang Utilities Company Limited
Address	: 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsohongro, Lakai, Bangkok 10210
Project Name	: Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location	: 119 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source	: Ambient Noise
Measured Point	: Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS, Coordinate	: UTM (WGS84) 47P 0874293 E, 1550822 N
Measured Date	: May 24-25, 2022
Measured By	: Mr.Nitad Sirichad
Analyzed By	: Environment Research & Technology Co., Ltd.
Measured Instrument	: Integrating Sound Level Meter Type II, RION Model NL-21
Reported Number	: NCC2792565
	: Serial Number 01165995

Interval Time	Noise Level For 5 minutes, dBA		Interval Time	Noise Level For 5 minutes, dBA		Interval Time	Noise Level For 5 minutes, dBA		Interval Time	Noise Level For 5 minutes, dBA	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	54.0	53.6	23:00-23:05	54.3	53.5	02:00-02:05	54.0	53.7	05:00-05:05	56.0	54.1
20:05-20:10	54.3	53.6	23:05-23:10	54.2	53.5	02:05-02:10	54.6	54.0	05:05-05:10	55.6	54.0
20:10-20:15	54.2	53.8	23:10-23:15	53.9	53.5	02:10-02:15	54.2	53.9	05:10-05:15	54.6	54.0
20:15-20:20	54.8	54.0	23:15-23:20	53.9	53.5	02:15-02:20	54.2	53.9	05:15-05:20	54.7	54.0
20:20-20:25	54.4	53.9	23:20-23:25	53.9	53.4	02:20-02:25	54.3	53.9	05:20-05:25	61.5	54.3
20:25-20:30	54.5	54.0	23:25-23:30	54.1	53.6	02:25-02:30	53.9	53.3	05:25-05:30	57.6	54.3
20:30-20:35	54.9	54.3	23:30-23:35	54.6	53.7	02:30-02:35	53.5	53.1	05:30-05:35	62.9	54.2
20:35-20:40	55.1	54.5	23:35-23:40	53.7	53.3	02:35-02:40	54.0	53.3	05:35-05:40	56.7	54.2
20:40-20:45	55.1	54.4	23:40-23:45	53.4	53.0	02:40-02:45	54.4	53.4	05:40-05:45	55.5	54.3
20:45-20:50	54.8	54.2	23:45-23:50	53.5	53.0	02:45-02:50	54.5	53.8	05:45-05:50	56.1	54.2
20:50-20:55	54.7	54.1	23:50-23:55	53.4	53.0	02:50-02:55	55.1	54.2	05:50-05:55	57.0	54.7
20:55-21:00	54.5	53.7	23:55-00:00	53.5	53.1	02:55-03:00	54.5	54.2	05:55-06:00	55.7	54.5
21:00-21:05	54.3	53.8	00:00-00:05	53.5	53.1	03:00-03:05	54.6	54.3	06:00-06:05	56.0	54.8
21:05-21:10	54.1	53.6	00:05-00:10	53.5	53.1	03:05-03:10	54.6	54.3	06:05-06:10	56.6	54.7
21:10-21:15	54.0	53.5	00:10-00:15	53.3	53.0	03:10-03:15	54.5	53.9	06:10-06:15	57.0	54.3
21:15-21:20	54.2	53.7	00:15-00:20	54.5	53.3	03:15-03:20	53.9	53.5	06:15-06:20	55.7	54.3
21:20-21:25	54.0	53.6	00:20-00:25	54.5	53.2	03:20-03:25	54.5	53.8	06:20-06:25	55.0	54.2
21:25-21:30	54.3	53.8	00:25-00:30	54.4	53.0	03:25-03:30	54.9	54.3	06:25-06:30	55.0	54.0
21:30-21:35	54.4	53.8	00:30-00:35	53.4	52.9	03:30-03:35	54.7	54.3	06:30-06:35	55.3	54.1
21:35-21:40	54.7	54.1	00:35-00:40	53.2	52.8	03:35-03:40	54.6	54.2	06:35-06:40	56.1	54.1
21:40-21:45	54.3	53.9	00:40-00:45	53.3	52.9	03:40-03:45	54.4	53.7	06:40-06:45	58.4	54.2
21:45-21:50	54.4	53.8	00:45-00:50	53.3	52.8	03:45-03:50	54.5	53.5	06:45-06:50	55.9	54.3
21:50-21:55	54.2	53.8	00:50-00:55	53.5	53.0	03:50-03:55	55.8	53.6	06:50-06:55	55.4	54.4
21:55-22:00	54.2	53.8	00:55-01:00	53.8	53.3	03:55-04:00	54.7	53.5	06:55-07:00	54.9	54.3
22:00-22:05	54.7	53.8	01:00-01:05	53.9	53.2	04:00-04:05	54.8	53.7	07:00-07:05	55.2	54.2
22:05-22:10	54.4	53.7	01:05-01:10	53.6	53.1	04:05-04:10	54.4	53.7	07:05-07:10	56.5	54.7
22:10-22:15	54.6	53.7	01:10-01:15	53.5	53.0	04:10-04:15	54.8	54.3	07:10-07:15	55.9	54.6
22:15-22:20	54.2	53.8	01:15-01:20	53.6	53.1	04:15-04:20	54.8	54.4	07:15-07:20	58.6	54.5
22:20-22:25	54.0	53.6	01:20-01:25	53.5	53.1	04:20-04:25	55.1	54.6	07:20-07:25	55.6	54.7
22:25-22:30	53.9	53.5	01:25-01:30	53.5	53.0	04:25-04:30	55.0	54.5	07:25-07:30	55.3	54.1
22:30-22:35	54.0	53.6	01:30-01:35	53.5	52.9	04:30-04:35	54.9	54.5	07:30-07:35	55.4	54.3
22:35-22:40	54.3	53.7	01:35-01:40	53.5	53.1	04:35-04:40	56.2	54.7	07:35-07:40	55.9	53.8
22:40-22:45	54.1	53.7	01:40-01:45	53.7	53.2	04:40-04:45	60.5	54.1	07:40-07:45	54.9	53.6
22:45-22:50	54.1	53.7	01:45-01:50	53.7	53.0	04:45-04:50	56.3	53.8	07:45-07:50	60.4	53.7
22:50-22:55	53.9	53.5	01:50-01:55	53.4	53.0	04:50-04:55	55.5	54.3	07:50-07:55	57.5	53.7
22:55-23:00	53.8	53.3	01:55-02:00	54.1	53.8	04:55-05:00	55.2	54.1	07:55-08:00	54.7	53.8

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F-RP-011 Rev. 03 January 18, 2021

ANALYSIS REPORT

Customer Name	: Klong Luang Utilities Company Limited
Address	: 222 ESCO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name	: Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location	: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source	: Ambient Noise
Measured Point	: Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS, Coordinate	: UTM (WGS84) 47P 0673742 E, 1550457 N
Measured Date	: May 18-19, 2022
Measured By	: Mr Nitad Sirichad
Analyzed By	: Environment Research & Technology Co., Ltd.
Measured Instrument	: Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number	: NCC276/2565

Interval Time	Noise Level, dBA					L90
	L _{eq}	L _{max}	L ₅	L10	L50	
08:00 - 09:00	62.3	83.4	66.8	64.7	58.9	54.3
09:00 - 10:00	60.2	80.3	63.3	57.3	52.9	52.5
10:00 - 11:00	60.1	84.2	64.4	62.6	56.9	56.3
11:00 - 12:00	60.8	90.5	65.5	63.1	56.8	52.7
12:00 - 13:00	60.1	81.7	64.8	63.0	57.1	53.0
13:00 - 14:00	60.8	88.7	65.5	63.3	57.2	52.4
14:00 - 15:00	62.8	85.2	66.5	65.2	61.4	57.8
15:00 - 16:00	61.5	88.4	65.9	64.3	59.5	53.6
16:00 - 17:00	62.6	86.0	68.1	65.3	59.5	54.2
17:00 - 18:00	66.8	89.5	70.5	69.2	65.1	60.7
18:00 - 19:00	63.0	84.5	67.1	65.6	61.5	57.8
19:00 - 20:00	62.5	82.9	66.8	65.1	60.5	56.6
20:00 - 21:00	61.7	80.6	66.7	64.5	58.9	55.5
21:00 - 22:00	60.3	65.5	63.0	63.0	56.5	53.9
22:00 - 23:00	58.7	77.0	63.4	61.2	56.3	54.7
23:00 - 00:00	58.6	81.2	63.6	61.1	54.9	53.4
00:00 - 01:00	56.7	79.9	62.0	58.9	52.7	51.7
01:00 - 02:00	54.9	80.8	59.1	56.0	52.1	51.3
02:00 - 03:00	54.9	75.0	59.0	56.6	52.3	51.4
03:00 - 04:00	54.2	77.2	58.1	55.5	52.2	51.3
04:00 - 05:00	57.9	82.7	62.8	60.2	54.2	52.8
05:00 - 06:00	59.8	81.9	65.3	63.0	56.6	53.1
06:00 - 07:00	62.2	85.0	66.6	64.8	59.9	55.8
07:00 - 08:00	62.8	84.5	67.2	65.6	60.9	56.6
24 Hours Measurement	61.2	90.5	65.7	63.7	58.7	54.9
Standard/	70	115	-	-	-	55

Remark : 1/ Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25, B.E.2549 (2006).

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F-RP-008 Rev. 03, January 18, 2021

ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0673742 E, 1550457 N
Measured Date : May 19-20, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC276/2585

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
08:00 - 09:00	61.9	86.6	66.7	64.6	58.8	53.9
09:00 - 10:00	60.3	85.2	64.9	62.9	57.5	52.9
10:00 - 11:00	60.7	86.9	65.2	62.8	56.7	52.4
11:00 - 12:00	60.2	80.2	65.9	63.3	56.6	51.5
12:00 - 13:00	58.8	80.8	63.9	61.9	55.8	50.9
13:00 - 14:00	61.4	92.2	66.0	63.4	57.2	52.0
14:00 - 15:00	60.4	83.9	65.1	62.8	56.5	51.5
15:00 - 16:00	61.2	82.7	66.5	64.0	57.3	51.9
16:00 - 17:00	62.6	87.5	67.6	65.3	58.9	53.4
17:00 - 18:00	63.4	83.9	68.3	66.0	60.7	55.7
18:00 - 19:00	62.5	86.3	67.3	65.3	60.2	55.2
19:00 - 20:00	61.4	78.4	66.5	64.4	58.9	54.2
20:00 - 21:00	62.7	82.1	68.3	65.8	58.8	53.5
21:00 - 22:00	60.9	88.0	65.4	63.2	55.5	51.1
22:00 - 23:00	58.8	80.9	64.0	61.2	53.9	50.7
23:00 - 00:00	58.9	83.8	64.8	61.7	53.3	50.5
00:00 - 01:00	56.4	85.2	61.3	58.1	51.9	50.5
01:00 - 02:00	53.7	75.7	57.8	55.0	51.4	50.5
02:00 - 03:00	54.4	79.1	58.3	55.7	51.5	50.3
03:00 - 04:00	55.6	80.7	61.1	57.7	51.5	50.6
04:00 - 05:00	57.4	74.7	63.8	61.1	53.0	50.7
05:00 - 06:00	59.4	75.5	64.9	62.7	56.6	52.5
06:00 - 07:00	64.5	78.6	71.7	68.5	60.7	57.0
07:00 - 08:00	63.1	81.3	68.4	66.3	60.8	56.5
24 Hours Measurement	60.8	92.2	66.1	63.7	57.4	53.0
Standard ^{1/}	70	115	-	-	-	-
Ldn	65.9	-	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0673742 E, 1550457 N
Measured Date : May 20-21, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC276/2585

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
08:00 - 09:00	62.1	81.2	67.7	65.2	58.8	53.7
09:00 - 10:00	62.0	87.9	67.4	64.8	56.5	51.5
10:00 - 11:00	59.4	81.9	64.3	62.1	56.2	51.3
11:00 - 12:00	59.1	83.6	64.0	61.9	56.0	50.7
12:00 - 13:00	60.1	83.2	65.9	63.2	55.6	51.0
13:00 - 14:00	59.9	80.3	65.2	63.1	56.3	51.3
14:00 - 15:00	61.0	85.3	65.9	63.8	56.7	51.1
15:00 - 16:00	61.5	86.6	66.6	64.6	57.8	52.6
16:00 - 17:00	62.3	85.0	67.3	65.1	58.9	53.4
17:00 - 18:00	71.6	95.8	77.8	74.5	63.3	57.3
18:00 - 19:00	63.6	93.6	68.5	66.4	60.3	55.7
19:00 - 20:00	62.4	80.9	20:00	65.3	58.8	54.0
20:00 - 21:00	62.1	85.4	67.7	64.7	58.4	53.3
21:00 - 22:00	61.4	82.8	66.9	64.2	57.2	52.5
22:00 - 23:00	61.2	86.6	66.1	63.3	55.2	52.1
23:00 - 00:00	58.2	80.7	63.7	60.7	53.4	50.9
00:00 - 01:00	56.4	76.8	61.3	58.4	52.3	50.5
01:00 - 02:00	54.8	77.7	59.5	56.8	51.7	50.5
02:00 - 03:00	55.3	77.8	59.9	57.2	51.5	50.5
03:00 - 04:00	56.5	78.2	62.1	59.2	52.2	51.2
04:00 - 05:00	58.0	75.9	63.6	61.2	54.1	51.8
05:00 - 06:00	59.1	75.2	64.6	62.5	56.1	52.6
06:00 - 07:00	61.3	81.4	66.1	64.3	59.1	55.0
07:00 - 08:00	63.1	82.4	67.7	65.9	61.0	57.0
24 Hours Measurement	62.3	95.8	67.9	65.2	57.6	53.1
Standard ^{1/}	70	115	-	-	-	-
Ldn	66.1	-	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0673742 E, 1550457 N
Measured Date : May 21-22, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC276/2585

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
08:00 - 09:00	62.6	86.7	67.7	65.2	58.7	53.6
09:00 - 10:00	58.8	75.9	63.8	61.9	56.5	51.8
10:00 - 11:00	60.7	80.7	65.1	63.1	57.9	53.9
11:00 - 12:00	60.3	81.2	64.6	62.9	58.2	54.2
12:00 - 13:00	59.7	81.8	64.5	62.6	57.1	52.4
13:00 - 14:00	58.7	77.2	63.6	61.7	55.9	50.9
14:00 - 15:00	60.0	84.3	65.0	62.8	56.5	51.8
15:00 - 16:00	60.6	84.1	64.7	62.9	56.9	52.4
16:00 - 17:00	65.4	96.2	70.3	67.9	60.1	55.5
17:00 - 18:00	64.1	89.9	68.3	66.4	60.2	56.0
18:00 - 19:00	62.4	82.3	66.8	64.9	59.7	55.0
19:00 - 20:00	62.6	79.6	66.2	65.8	59.2	54.0
20:00 - 21:00	61.0	79.4	66.2	63.0	57.1	51.8
21:00 - 22:00	59.0	77.8	64.3	61.9	55.3	51.6
22:00 - 23:00	58.3	81.0	63.4	60.4	53.9	51.5
23:00 - 00:00	59.2	89.9	64.4	61.3	53.3	51.0
00:00 - 01:00	57.0	80.9	61.9	58.6	52.5	50.5
01:00 - 02:00	54.0	78.9	58.1	55.7	50.9	49.7
02:00 - 03:00	54.7	74.2	60.2	57.7	51.2	49.8
03:00 - 04:00	54.5	73.2	60.0	57.5	51.3	49.8
04:00 - 05:00	56.2	73.5	62.1	59.6	52.3	49.8
05:00 - 06:00	59.5	83.9	65.0	62.3	54.9	51.4
06:00 - 07:00	59.8	79.2	64.2	62.6	57.2	52.9
07:00 - 08:00	62.0	87.3	66.1	64.3	58.5	54.0
24 Hours Measurement	60.5	96.2	65.3	63.1	56.9	52.7
Standard ^{1/}	70	115	-	-	-	-
Ldn	64.8	-	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0673742 E, 1550457 N
Measured Date : May 22-23, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC276/2585

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
08:00 - 09:00	60.2	79.9	65.1	63.0	57.6	53.1
09:00 - 10:00	61.0	87.5	65.5	63.5	58.2	54.5
10:00 - 11:00	63.5	83.5	65.2	63.3	57.8	53.9
11:00 - 12:00	61.7	82.9	66.3	63.7	57.9	53.4
12:00 - 13:00	62.1	85.1	67.4	64.3	57.6	52.9
13:00 - 14:00	60.7	81.9	65.6	63.1	57.3	52.5
14:00 - 15:00	61.3	81.0	65.3	63.6	58.8	54.8
15:00 - 16:00	62.0	86.5	66.1	64.1	59.1	54.9
16:00 - 17:00	61.8	86.1	66.2	64.4	58.4	53.5
17:00 - 18:00	62.2	91.2	68.9	66.1	59.8	55.0
18:00 - 19:00	62.8	82.2	68.3	65.8	59.3	54.3
19:00 - 20:00	62.5	85.5	68.0	65.2	58.3	53.2
20:00 - 21:00	61.6	87.0	66.3	63.5	56.9	52.2
21:00 - 22:00	61.2	91.6	66.4	63.3	55.1	51.8
22:00 - 23:00	58.7	78.7	64.5	60.9	53.9	51.0
23:00 - 00:00	56.0	77.9	60.9	58.5	52.6	50.8
00:00 - 01:00	56.3	80.1	61.2	58.2	52.0	50.4
01:00 - 02:00	53.3	72.7	57.7	55.0	51.1	49.8
02:00 - 03:00	54.4	75.6	59.5	56.8	50.7	49.2
03:00 - 04:00	56.0	76.0	61.8	59.4	51.3	49.1
04:00 - 05:00	55.8	73.1	61.2	59.0	52.7	50.4
05:00 - 06:00	59.3	79.8	64.4	62.6	56.8	53.0
06:00 - 07:00	62.4	77.9	67.1	65.5	60.5	56.4
07:00 - 08:00	62.3	81.7	66.8	64.9	60.3	55.7
24 Hours Measurement	60.7	91.6	65.6	63.2	57.3	53.2
Standard ^{1/}	70	115	-	-	-	-
Ldn	65.1	-	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0673742 E, 1550457 N
Measured Date : May 23-24, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC276/2585

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
08:00 - 09:00	68.8	99.3	73.7	70.4	55.2
09:00 - 10:00	68.7	86.8	75.7	73.5	60.3
10:00 - 11:00	60.0	79.5	64.8	62.6	51.6
11:00 - 12:00	61.9	94.9	66.7	64.4	51.1
12:00 - 13:00	59.8	82.1	64.7	62.4	49.2
13:00 - 14:00	61.0	82.2	65.8	63.9	53.0
14:00 - 15:00	60.5	80.5	65.2	63.5	52.6
15:00 - 16:00	59.4	80.3	64.7	62.7	49.8
16:00 - 17:00	62.4	82.4	67.6	65.4	53.8
17:00 - 18:00	65.5	90.7	70.5	67.9	57.3
18:00 - 19:00	63.6	82.7	68.5	66.7	55.7
19:00 - 20:00	68.5	97.2	76.6	69.3	53.0
20:00 - 21:00	60.4	81.2	65.7	63.4	51.1
21:00 - 22:00	60.6	83.4	66.0	63.4	50.9
22:00 - 23:00	59.3	81.1	65.5	62.3	48.4
23:00 - 00:00	57.8	83.9	63.4	60.9	45.4
00:00 - 01:00	54.9	77.1	61.5	57.7	47.9
01:00 - 02:00	51.7	76.2	56.8	53.9	44.7
02:00 - 03:00	51.7	74.9	58.0	54.4	44.2
03:00 - 04:00	52.7	74.4	59.2	55.8	43.5
04:00 - 05:00	56.8	75.4	63.7	60.6	44.4
05:00 - 06:00	58.5	76.1	63.9	61.9	49.9
06:00 - 07:00	62.4	82.0	67.8	65.7	55.1
07:00 - 08:00	62.1	80.9	66.8	62.1	50.8
24 Hours Measurement	62.8	99.3	68.8	65.6	53.1
Standard ^{1/}	70	115	-	-	-
Ldn	65.8	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

Laboratory Reviewer

Laboratory Supervisor

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0673742 E, 1550457 N
Measured Date : May 24-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC276/2585

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
08:00 - 09:00	61.3	83.8	66.3	64.1	52.1
09:00 - 10:00	59.3	80.4	64.1	61.9	50.6
10:00 - 11:00	59.6	82.1	64.9	62.3	50.6
11:00 - 12:00	58.5	85.1	63.2	61.3	50.6
12:00 - 13:00	63.0	96.2	67.0	64.7	52.0
13:00 - 14:00	60.2	79.2	64.6	63.1	53.5
14:00 - 15:00	58.7	84.5	63.5	61.7	49.9
15:00 - 16:00	61.3	82.0	65.6	63.5	55.2
16:00 - 17:00	61.7	78.7	66.2	64.4	55.1
17:00 - 18:00	63.8	85.3	68.1	66.3	61.4
18:00 - 19:00	66.5	90.9	71.6	68.8	56.0
19:00 - 20:00	63.1	87.7	68.2	65.1	58.3
20:00 - 21:00	62.2	85.4	67.6	65.2	51.7
21:00 - 22:00	60.2	81.9	65.6	62.8	55.0
22:00 - 23:00	58.1	79.5	64.2	61.3	46.7
23:00 - 00:00	56.4	77.8	62.0	58.7	49.2
00:00 - 01:00	54.7	80.7	61.0	57.4	45.0
01:00 - 02:00	53.0	73.3	59.1	55.7	44.5
02:00 - 03:00	49.7	70.3	54.9	51.0	43.9
03:00 - 04:00	55.0	74.6	62.0	58.7	43.1
04:00 - 05:00	59.6	78.4	68.2	65.5	48.8
05:00 - 06:00	63.0	79.1	69.8	69.0	52.5
06:00 - 07:00	62.0	81.3	66.8	64.5	54.8
07:00 - 08:00	62.8	98.6	67.2	65.1	55.7
24 Hours Measurement	61.0	98.6	66.3	64.0	52.2
Standard ^{1/}	70	115	-	-	-
Ldn	65.7	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 251 B.E.2549 (2006).

Laboratory Reviewer

Laboratory Supervisor

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 18, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	64.6	55.0	11:00-11:05	60.1	52.9	14:00-14:05	64.0	59.4	17:00-17:05	61.0	55.1
08:05-08:10	62.5	53.4	11:05-11:10	62.2	53.4	14:05-14:10	61.2	58.4	17:05-17:10	63.1	55.8
08:10-08:15	62.1	56.3	11:10-11:15	60.4	53.6	14:10-14:15	62.6	60.6	17:10-17:15	67.1	55.9
08:15-08:20	60.3	53.6	11:15-11:20	58.6	52.8	14:15-14:20	67.0	61.3	17:15-17:20	64.6	56.2
08:20-08:25	63.0	55.2	11:20-11:25	59.7	51.8	14:20-14:25	64.3	60.3	17:20-17:25	66.0	59.3
08:25-08:30	65.1	54.4	11:25-11:30	57.1	51.4	14:25-14:30	62.2	57.1	17:25-17:30	69.2	59.3
08:30-08:35	60.9	54.0	11:30-11:35	63.7	51.7	14:30-14:35	60.1	55.0	17:30-17:35	63.1	56.5
08:35-08:40	59.9	54.4	11:35-11:40	61.7	54.5	14:35-14:40	64.3	53.0	17:35-17:40	64.8	59.0
08:40-08:45	62.2	54.4	11:40-11:45	63.7	52.6	14:40-14:45	61.3	54.5	17:40-17:45	71.1	65.5
08:45-08:50	60.8	53.7	11:45-11:50	58.4	51.9	14:45-14:50	60.2	54.5	17:45-17:50	66.4	62.9
08:50-08:55	60.7	52.7	11:50-11:55	59.7	52.3	14:50-14:55	60.8	55.3	17:50-17:55	68.7	63.7
08:55-09:00	62.0	53.4	11:55-12:00	58.9	52.9	14:55-15:00	59.0	52.8	17:55-18:00	66.6	62.5
09:00-09:05	60.0	53.5	12:00-12:05	57.6	52.3	15:00-15:05	61.5	52.5	18:00-18:05	63.6	59.7
09:05-09:10	61.9	55.4	12:05-12:10	59.8	53.1	15:05-15:10	59.3	53.5	18:05-18:10	61.2	57.0
09:10-09:15	62.1	52.3	12:10-12:15	62.0	53.5	15:10-15:15	60.9	55.6	18:10-18:15	64.5	58.4
09:15-09:20	61.9	53.7	12:15-12:20	60.5	51.0	15:15-15:20	59.9	54.0	18:15-18:20	63.3	58.6
09:20-09:25	59.2	52.9	12:20-12:25	59.9	52.6	15:20-15:25	60.6	52.4	18:20-18:25	63.8	58.2
09:25-09:30	60.3	52.4	12:25-12:30	58.9	52.8	15:25-15:30	61.9	54.0	18:25-18:30	62.4	58.4
09:30-09:35	58.5	51.7	12:30-12:35	58.3	52.3	15:30-15:35	61.7	54.0	18:30-18:35	63.8	58.3
09:35-09:40	59.2	53.0	12:35-12:40	59.1	52.2	15:35-15:40	64.3	54.2	18:35-18:40	62.6	57.9
09:40-09:45	59.9	52.0	12:40-12:45	59.5	53.2	15:40-15:45	61.2	53.4	18:40-18:45	62.0	57.0
09:45-09:50	57.5	52.6	12:45-12:50	61.6	55.9	15:45-15:50	60.8	53.5	18:45-18:50	62.6	56.0
09:50-09:55	59.8	52.8	12:50-12:55	61.1	53.1	15:50-15:55	61.2	53.2	18:50-18:55	62.2	56.7
09:55-10:00	59.6	51.5	12:55-13:00	60.5	52.5	15:55-16:00	62.1	51.9	18:55-19:00	63.1	55.9
10:00-10:05	60.4	53.4	13:00-13:05	64.4	51.9	16:00-16:05	62.3	52.4	19:00-19:05	62.9	56.0
10:05-10:10	59.7	51.6	13:05-13:10	62.4	53.2	16:05-16:10	64.5	54.3	19:05-19:10	62.1	56.1
10:10-10:15	58.5	51.1	13:10-13:15	58.4	53.3	16:10-16:15	63.7	53.6	19:10-19:15	63.2	57.5
10:15-10:20	59.3	52.4	13:15-13:20	58.1	52.9	16:15-16:20	61.5	52.5	19:15-19:20	63.0	56.5
10:20-10:25	60.5	52.9	13:20-13:25	58.3	50.7	16:20-16:25	61.3	55.5	19:20-19:25	64.5	59.1
10:25-10:30	63.6	51.1	13:25-13:30	62.7	53.1	16:25-16:30	59.9	51.2	19:25-19:30	62.9	56.4
10:30-10:35	58.7	52.8	13:30-13:35	58.7	52.8	16:30-16:35	62.4	53.7	19:30-19:35	63.4	57.7
10:35-10:40	59.6	52.3	13:35-13:40	58.6	52.5	16:35-16:40	62.8	55.0	19:35-19:40	61.5	56.0
10:40-10:45	58.7	52.3	13:40-13:45	60.4	51.4	16:40-16:45	61.8	54.2	19:40-19:45	60.0	55.7
10:45-10:50	59.1	52.4	13:45-13:50	61.0	52.1	16:45-16:50	61.3	54.0	19:45-19:50	61.5	55.4
10:50-10:55	59.8	53.2	13:50-13:55	59.1	50.3	16:50-16:55	63.2	55.0	19:50-19:55	60.6	54.9
10:55-11:00	60.3	53.6	13:55-14:00	62.0	52.9	16:55-17:00	64.3	56.2	19:55-20:00	61.8	55.5

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 18-19, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	60.7	56.9	23:00-23:05	58.6	54.0	02:00-02:05	54.1	51.3	05:00-05:05	59.4	52.8
20:05-20:10	62.4	56.9	23:05-23:10	59.9	54.3	02:05-02:10	53.9	51.6	05:05-05:10	60.3	53.6
20:10-20:15	63.9	57.2	23:10-23:15	58.8	53.8	02:10-02:15	55.1	51.6	05:10-05:15	60.3	53.6
20:15-20:20	60.9	55.6	23:15-23:20	59.0	54.1	02:15-02:20	53.0	51.6	05:15-05:20	60.2	52.9
20:20-20:25	62.8	55.1	23:20-23:25	60.7	53.6	02:20-02:25	53.2	51.5	05:20-05:25	60.6	52.7
20:25-20:30	62.9	55.4	23:25-23:30	58.3	53.4	02:25-02:30	57.0	51.1	05:25-05:30	57.0	52.4
20:30-20:35	60.6	55.5	23:30-23:35	59.7	53.4	02:30-02:35	55.6	51.6	05:30-05:35	56.9	52.0
20:35-20:40	62.2	54.4	23:35-23:40	56.8	53.1	02:35-02:40	56.8	51.4	05:35-05:40	58.2	52.5
20:40-20:45	60.3	55.1	23:40-23:45	57.9	53.2	02:40-02:45	52.4	51.3	05:40-05:45	61.5	54.2
20:45-20:50	59.7	55.0	23:45-23:50	56.2	52.7	02:45-02:50	52.6	51.3	05:45-05:50	59.4	53.6
20:50-20:55	60.5	53.9	23:50-23:55	54.6	52.6	02:50-02:55	55.7	51.2	05:50-05:55	61.7	54.2
20:55-21:00	60.9	53.6	23:55-00:00	59.0	52.2	02:55-03:00	56.0	51.4	05:55-06:00	59.1	53.7
21:00-21:05	59.2	52.9	00:00-00:05	55.7	52.0	03:00-03:05	55.3	51.5	06:00-06:05	60.2	54.2
21:05-21:10	61.1	53.3	00:05-00:10	59.1	51.9	03:05-03:10	53.0	51.5	06:05-06:10	60.0	53.3
21:10-21:15	62.4	53.9	00:10-00:15	59.6	52.2	03:10-03:15	53.5	51.1	06:10-06:15	61.0	54.3
21:15-21:20	60.4	53.5	00:15-00:20	55.0	51.7	03:15-03:20	55.2	51.0	06:15-06:20	61.3	56.2
21:20-21:25	60.9	53.7	00:20-00:25	55.1	51.8	03:20-03:25	56.1	51.4	06:20-06:25	61.3	56.6
21:25-21:30	59.3	53.6	00:25-00:30	54.3	51.9	03:25-03:30	52.7	50.9	06:25-06:30	63.0	56.6
21:30-21:35	59.5	53.6	00:30-00:35	58.5	51.7	03:30-03:35	53.0	51.0	06:30-06:35	61.9	55.9
21:35-21:40	60.5	53.5	00:35-00:40	59.3	52.0	03:35-03:40	53.0	51.5	06:35-06:40	62.3	56.1
21:40-21:45	57.4	54.2	00:40-00:45	54.8	51.9	03:40-03:45	53.0	51.5	06:40-06:45	62.3	56.8
21:45-21:50	61.7	54.5	00:45-00:50	54.8	51.5	03:45-03:50	55.3	51.5	06:45-06:50	64.0	57.5
21:50-21:55	59.6	54.5	00:50-00:55	54.5	51.3	03:50-03:55	53.3	51.2	06:50-06:55	64.1	54.7
21:55-22:00	59.9	54.7	00:55-01:00	51.7	50.5	03:55-04:00	54.7	51.7	06:55-07:00	62.9	56.7
22:00-22:05	59.1	54.5	01:00-01:05	57.5	51.2	04:00-04:05	53.3	51.9	07:00-07:05	62.7	56.5
22:05-22:10	59.6	54.5	01:05-01:10	52.9	50.8	04:05-04:10	55.6	52.5	07:05-07:10	62.2	56.9
22:10-22:15	57.8	54.6	01:10-01:15	55.0	51.2	04:10-04:15	59.9	53.1	07:10-07:15	62.9	57.3
22:15-22:20	59.4	54.6	01:15-01:20	53.6	51.1	04:15-04:20	55.1	52.5	07:15-07:20	62.9	57.4
22:20-22:25	59.7	55.4	01:20-01:25	55.2	51.6	04:20-04:25	56.9	52.8	07:20-07:25	62.7	58.1
22:25-22:30	58.6	55.0	01:25-01:30	56.5	51.6	04:25-04:30	59.2	53.1	07:25-07:30	63.5	57.2
22:30-22:35	58.3	54.4	01:30-01:35	56.8	51.7	04:30-04:35	59.9	53.2	07:30-07:35	62.6	55.4
22:35-22:40	57.7	54.6	01:35-01:40	52.3	51.1	04:35-04:40	57.8	52.9	07:35-07:40	64.3	57.8
22:40-22:45	59.6	55.0	01:40-01:45	55.0	51.2	04:40-04:45	56.4	52.8	07:40-07:45	61.8	53.8
22:45-22:50	59.6	54.8	01:45-01:50	53.7	51.3	04:45-04:50	55.2	52.5	07:45-07:50	63.1	54.3
22:50-22:55	57.0	54.4	01:50-01:55	53.1	51.0	04:50-04:55	59.4	52.7	07:50-07:55	62.0	57.0
22:55-23:00	57.3	54.6	01:55-02:00	53.8	51.3	04:55-05:00	59.6	52.9	07:55-08:00	62.9	55.8

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 19, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	64.2	54.1	11:00-11:05	59.6	52.7	14:00-14:05	61.2	50.6	17:00-17:05	63.6	55.9
08:05-08:10	60.8	55.6	11:05-11:10	62.0	50.5	14:05-14:10	60.4	51.7	17:05-17:10	66.6	56.5
08:10-08:15	62.7	55.0	11:10-11:15	59.2	51.8	14:10-14:15	60.4	50.7	17:10-17:15	62.7	54.9
08:15-08:20	62.7	55.8	11:15-11:20	60.0	53.2	14:15-14:20	59.2	51.6	17:15-17:20	64.7	56.8
08:20-08:25	60.9	51.8	11:20-11:25	60.4	52.0	14:20-14:25	59.3	51.8	17:20-17:25	63.8	56.9
08:25-08:30	62.2	53.4	11:25-11:30	55.3	49.6	14:25-14:30	61.9	52.1	17:25-17:30	62.8	54.8
08:30-08:35	60.0	52.1	11:30-11:35	59.0	52.0	14:30-14:35	58.8	51.3	17:30-17:35	62.0	54.9
08:35-08:40	62.6	55.7	11:35-11:40	62.3	50.8	14:35-14:40	61.8	50.6	17:35-17:40	61.9	55.5
08:40-08:45	58.9	52.5	11:40-11:45	60.4	50.3	14:40-14:45	58.6	52.6	17:40-17:45	62.6	55.1
08:45-08:50	58.1	52.2	11:45-11:50	59.4	52.8	14:45-14:50	58.4	51.5	17:45-17:50	63.3	55.2
08:50-08:55	59.3	52.0	11:50-11:55	59.6	51.0	14:50-14:55	63.4	51.6	17:50-17:55	63.1	54.9
08:55-09:00	64.6	52.9	11:55-12:00	61.8	49.3	14:55-15:00	57.7	51.3	18:00-18:05	61.3	56.1
09:00-09:05	64.2	53.5	12:00-12:05	58.9	51.8	15:00-15:05	59.2	52.0	18:05-18:10	62.6	56.2
09:05-09:10	58.2	52.6	12:05-12:10	59.2	51.7	15:05-15:10	58.6	51.6	18:10-18:15	61.0	54.9
09:10-09:15	60.4	53.5	12:10-12:15	59.1	49.7	15:10-15:15	58.6	51.1	18:15-18:20	61.9	53.5
09:15-09:20	60.4	52.4	12:15-12:20	58.6	51.2	15:15-15:20	59.6	51.0	18:20-18:25	62.4	56.3
09:20-09:25	58.4	52.1	12:20-12:25	59.5	51.4	15:20-15:25	61.6	51.8	18:25-18:30	61.9	54.6
09:25-09:30	58.6	51.6	12:25-12:30	60.9	52.1	15:25-15:30	64.2	51.9	18:30-18:35	62.8	55.2
09:30-09:35	58.8	53.9	12:30-12:35	57.2	49.8	15:30-15:35	61.8	52.5	18:35-18:40	60.5	54.8
09:35-09:40	60.4	53.3	12:35-12:40	58.4	50.8	15:35-15:40	60.6	51.4	18:40-18:45	60.5	53.3
09:40-09:45	61.4	53.4	12:40-12:45	57.6	50.4	15:40-15:45	60.8	52.7	18:45-18:50	62.2	55.3
09:45-09:50	58.9	52.1	12:45-12:50	58.2	50.7	15:45-15:50	60.3	53.1	18:50-18:55	62.1	56.3
09:50-09:55	59.2	53.1	12:50-12:55	57.0	49.4	15:50-15:55	60.9	50.8	18:55-19:00	64.5	55.3
09:55-10:00	61.4	52.8	12:55-13:00	59.5	51.4	15:55-16:00	63.7	52.4	18:55-19:00	63.9	55.7
10:00-10:05	62.4	52.6	13:00-13:05	57.9	50.7	16:00-16:05	64.8	52.4	19:00-19:05	61.4	55.3
10:05-10:10	57.8	52.9	13:05-13:10	59.5	49.7	16:05-16:10	61.5	51.3	19:05-19:10	60.3	54.7
10:10-10:15	60.7	53.7	13:10-13:15	58.7	51.1	16:10-16:15	60.6	52.2	19:10-19:15	61.1	54.4
10:15-10:20	58.7	51.8	13:15-13:20	60.2	52.8	16:15-16:20	64.0	55.1	19:15-19:20	61.6	54.6
10:20-10:25	64.6	52.0	13:20-13:25	64.2	51.3	16:20-16:25	61.2	53.3	19:20-19:25	62.1	54.6
10:25-10:30	58.4	50.6	13:25-13:30	59.5	51.6	16:25-16:30	63.4	53.1	19:25-19:30	60.2	53.5
10:30-10:35	59.7	52.2	13:30-13:35	58.9	50.4	16:30-16:35	60.3	53.4	19:30-19:35	61.3	53.9
10:35-10:40	60.4	52.8	13:35-13:40	60.2	50.7	16:35-16:40	61.0	53.1	19:35-19:40	62.1	54.3
10:40-10:45	58.5	51.5	13:40-13:45	58.7	51.8	16:40-16:45	60.2	52.7	19:40-19:45	60.8	53.3
10:45-10:50	60.2	51.9	13:45-13:50	66.7	54.8	16:45-16:50	61.4	53.3	19:45-19:50	63.8	54.6
10:50-10:55	61.9	53.2	13:50-13:55	61.8	53.3	16:50-16:55	62.3	53.7	19:50-19:55	60.5	53.5
10:55-11:00	60.1	52.3	13:55-14:00	59.5	52.6	16:55-17:00	65.7	55.1	19:55-20:00	60.8	53.6

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 19-20, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	60.5	52.6	23:00-23:05	56.7	50.0	02:00-02:05	54.2	50.7	05:00-05:05	58.6	51.1
20:05-20:10	65.9	53.3	23:05-23:10	61.6	51.2	02:05-02:10	55.2	50.6	05:05-05:10	55.4	50.8
20:10-20:15	61.8	55.0	23:10-23:15	62.2	50.7	02:10-02:15	52.3	50.5	05:10-05:15	58.1	51.5
20:15-20:20	66.2	56.6	23:15-23:20	59.0	50.4	02:15-02:20	52.5	50.0	05:15-05:20	60.3	52.1
20:20-20:25	60.1	54.1	23:20-23:25	61.9	51.9	02:20-02:25	51.6	50.0	05:20-05:25	58.9	51.3
20:25-20:30	60.8	52.3	23:25-23:30	56.2	50.3	02:25-02:30	51.8	49.6	05:25-05:30	59.9	51.9
20:30-20:35	61.3	53.6	23:30-23:35	56.6	50.1	02:30-02:35	54.9	50.2	05:30-05:35	60.1	53.3
20:35-20:40	63.9	53.1	23:35-23:40	59.8	50.6	02:35-02:40	54.4	49.8	05:35-05:40	60.6	52.7
20:40-20:45	62.6	52.3	23:40-23:45	57.9	50.7	02:40-02:45	55.6	50.3	05:40-05:45	60.2	52.4
20:45-20:50	59.2	53.1	23:45-23:50	54.8	50.2	02:45-02:50	55.3	51.8	05:45-05:50	59.7	54.0
20:50-20:55	62.4	51.9	23:50-23:55	56.1	50.2	02:50-02:55	58.5	49.9	05:50-05:55	60.9	54.4
20:55-21:00	61.0	51.7	23:55-00:00	54.8	49.6	02:55-03:00	50.1	49.7	05:55-06:00	58.1	52.3
21:00-21:05	59.9	50.9	00:00-00:05	59.3	50.0	03:00-03:05	51.7	49.0	06:00-06:05	59.7	53.7
21:05-21:10	63.3	51.3	00:05-00:10	58.2	51.1	03:05-03:10	52.6	50.6	06:05-06:10	59.7	54.7
21:10-21:15	61.8	51.4	00:10-00:15	55.2	50.3	03:10-03:15	51.6	50.4	06:10-06:15	60.3	54.9
21:15-21:20	59.9	52.9	00:15-00:20	62.0	50.5	03:15-03:20	52.4	50.6	06:15-06:20	62.0	57.0
21:20-21:25	59.0	51.3	00:20-00:25	56.2	50.6	03:20-03:25	58.3	50.6	06:20-06:25	63.2	58.1
21:25-21:30	59.0	51.1	00:25-00:30	52.4	50.0	03:25-03:30	55.7	50.9	06:25-06:30	66.8	56.9
21:30-21:35	58.4	50.8	00:30-00:35	53.3	50.4	03:30-03:35	56.1	51.0	06:30-06:35	62.7	58.4
21:35-21:40	58.7	50.7	00:35-00:40	53.4	50.6	03:35-03:40	56.5	51.1	06:35-06:40	66.2	58.2
21:40-21:45	59.1	50.7	00:40-00:45	53.6	50.8	03:40-03:45	54.7	50.9	06:40-06:45	66.7	57.6
21:45-21:50	66.1	50.3	00:45-00:50	52.6	50.3	03:45-03:50	56.8	50.8	06:45-06:50	66.1	57.3
21:50-21:55	57.0	50.3	00:50-00:55	51.7	50.3	03:50-03:55	57.6	50.4	06:50-06:55	66.0	57.6
21:55-22:00	59.3	51.1	00:55-01:00	54.5	50.5	03:55-04:00	56.8	50.4	06:55-07:00	65.3	57.1
22:00-22:05	59.2	50.1	01:00-01:05	55.7	50.2	04:00-04:05	58.3	50.6	07:00-07:05	66.4	58.3
22:05-22:10	57.4	50.4	01:05-01:10	54.9	50.4	04:05-04:10	57.8	50.6	07:05-07:10	62.5	57.3
22:10-22:15	57.1	51.2	01:10-01:15	53.5	50.4	04:10-04:15	55.6	50.7	07:10-07:15	63.8	56.9
22:15-22:20	57.7	50.7	01:15-01:20	52.8	50.3	04:15-04:20	57.2	50.5	07:15-07:20	62.8	57.2
22:20-22:25	59.3	51.2	01:20-01:25	52.8	50.6	04:20-04:25	57.2	50.3	07:20-07:25	63.1	57.2
22:25-22:30	61.3	50.6	01:25-01:30	53.2	50.3	04:25-04:30	57.7	50.4	07:25-07:30	61.8	56.6
22:30-22:35	61.5	50.6	01:30-01:35	53.9	50.5	04:30-04:35	55.2	50.8	07:30-07:35	62.5	56.3
22:35-22:40	56.8	50.6	01:35-01:40	52.0	50.7	04:35-04:40	55.7	51.4	07:35-07:40	63.0	56.1
22:40-22:45	59.4	51.5	01:40-01:45	53.1	50.8	04:40-04:45	54.8	50.8	07:40-07:45	62.6	55.4
22:45-22:50	56.6	50.6	01:45-01:50	54.9	50.7	04:45-04:50	58.9	51.2	07:45-07:50	63.8	56.8
22:50-22:55	53.8	50.2	01:50-01:55	53.5	50.8	04:50-04:55	59.1	50.8	07:50-07:55	61.0	54.5
22:55-23:00	59.5	50.1	01:55-02:00	52.5	50.7	04:55-05:00	58.8	50.6	07:55-08:00	60.7	53.1

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ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- : Klong Luang Utilities Company Limited

: 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

: Electricity and Steam Generating Cogeneration, Pathumthani Province Project

: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province

: Ambient Noise

: Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
- GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- : UTM (WGS84) 47P 0673742 E. 1550457 N

: May 20, 2022

: Mr.Nilad Sirchad

: Environment Research & Technology Co., Ltd.

: Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664

: NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	61.8	54.5	11:00-11:05	58.9	51.7	14:00-14:05	60.9	50.3	17:00-17:05	63.1	54.4
08:05-08:10	60.5	53.3	11:05-11:10	58.4	50.6	14:05-14:10	60.9	50.6	17:05-17:10	70.1	57.5
08:10-08:15	61.1	54.3	11:10-11:15	60.1	50.6	14:10-14:15	63.8	50.7	17:10-17:15	70.6	57.7
08:15-08:20	61.6	54.9	11:15-11:20	57.8	50.7	14:15-14:20	60.7	51.1	17:15-17:20	72.4	58.6
08:20-08:25	66.4	55.0	11:20-11:25	59.4	50.5	14:20-14:25	60.4	51.6	17:20-17:25	77.2	58.6
08:25-08:30	62.9	54.1	11:25-11:30	60.6	50.3	14:25-14:30	60.8	50.6	17:25-17:30	72.6	55.1
08:30-08:35	61.4	53.9	11:35-11:40	57.9	50.4	14:30-14:35	61.7	50.8	17:30-17:35	64.2	56.0
08:35-08:40	62.5	53.6	11:45-11:50	59.7	50.5	14:35-14:40	58.4	50.9	17:35-17:40	65.1	58.8
08:40-08:45	59.5	52.0	11:40-11:45	58.2	51.1	14:40-14:45	61.4	52.1	17:40-17:45	65.9	57.0
08:45-08:50	58.8	52.8	11:45-11:50	57.6	50.3	14:45-14:50	62.0	52.7	17:45-17:50	72.0	57.9
08:50-08:55	63.2	52.8	11:50-11:55	59.7	50.0	14:50-14:55	59.6	50.8	17:50-17:55	73.2	58.1
08:55-09:00	59.1	51.2	11:55-12:00	59.1	51.7	14:55-15:00	58.8	50.9	17:55-18:00	71.6	56.0
09:00-09:05	69.4	51.5	12:00-12:05	60.1	49.8	15:00-15:05	61.4	53.4	18:00-18:05	66.1	55.8
09:05-09:10	63.6	52.9	12:05-12:10	57.6	50.3	15:05-15:10	62.3	52.6	18:05-18:10	61.2	55.0
09:10-09:15	58.4	51.4	12:10-12:15	60.4	50.9	15:10-15:15	59.1	53.3	18:10-18:15	63.7	56.1
09:15-09:20	57.8	50.4	12:15-12:20	59.3	50.8	15:15-15:20	59.0	50.3	18:15-18:20	63.0	55.7
09:20-09:25	57.4	50.0	12:20-12:25	56.8	50.4	15:20-15:25	59.2	51.3	18:20-18:25	61.6	55.0
09:25-09:30	60.0	49.4	12:25-12:30	64.1	51.1	15:25-15:30	62.2	52.4	18:25-18:30	63.8	54.4
09:30-09:35	58.2	51.5	12:30-12:35	57.4	50.2	15:30-15:35	60.4	52.6	18:30-18:35	61.7	54.6
09:35-09:40	57.8	51.2	12:35-12:40	57.5	50.7	15:35-15:40	63.1	53.7	18:35-18:40	64.9	56.4
09:40-09:45	63.0	54.7	12:40-12:45	59.1	50.9	15:40-15:45	62.8	53.6	18:40-18:45	64.5	56.4
09:45-09:50	57.1	50.5	12:45-12:50	62.9	52.8	15:45-15:50	58.9	51.2	18:45-18:50	61.2	56.1
09:50-09:55	58.0	51.1	12:50-12:55	59.7	52.2	15:50-15:55	63.0	51.0	18:50-18:55	63.3	56.3
09:55-10:00	58.0	51.0	12:55-13:00	59.7	51.5	15:55-16:00	62.5	53.1	18:55-19:00	65.2	55.7
10:00-10:05	63.4	52.1	13:00-13:05	58.2	52.0	16:00-16:05	63.0	51.8	19:00-19:05	62.9	54.8
10:05-10:10	59.7	51.6	13:05-13:10	59.8	51.1	16:05-16:10	64.2	51.6	19:05-19:10	62.9	55.6
10:10-10:15	57.4	50.4	13:10-13:15	58.4	49.7	16:10-16:15	60.6	52.0	19:10-19:15	63.1	56.2
10:15-10:20	60.3	51.7	13:15-13:20	59.7	50.6	16:15-16:20	59.6	52.2	19:15-19:20	61.7	53.9
10:20-10:25	57.1	50.3	13:20-13:25	59.2	51.0	16:20-16:25	61.6	53.7	19:20-19:25	61.5	54.5
10:25-10:30	59.6	51.0	13:25-13:30	62.2	53.0	16:25-16:30	62.1	51.5	19:25-19:30	60.0	52.2
10:30-10:35	56.3	50.2	13:30-13:35	60.5	51.3	16:30-16:35	62.8	54.6	19:30-19:35	61.7	53.5
10:35-10:40	59.6	52.0	13:35-13:40	58.4	51.4	16:35-16:40	59.7	53.5	19:35-19:40	63.5	52.2
10:40-10:45	56.6	49.8	13:40-13:45	58.1	50.6	16:40-16:45	60.7	54.0	19:40-19:45	62.6	52.9
10:45-10:50	57.5	50.6	13:45-13:50	61.6	51.7	16:45-16:50	63.7	55.6	19:45-19:50	63.3	52.4
10:50-10:55	59.0	50.9	13:50-13:55	57.1	51.0	16:50-16:55	60.9	53.4	19:50-19:55	61.8	51.5
10:55-11:00	60.9	53.3	13:55-14:00	61.9	51.2	16:55-17:00	65.1	54.4	19:55-20:00	63.0	55.2

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ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- : Klong Luang Utilities Company Limited

: 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

: Electricity and Steam Generating Cogeneration, Pathumthani Province Project

: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province

: Ambient Noise

: Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
- GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- : UTM (WGS84) 47P 0673742 E. 1550457 N

: May 20-21, 2022

: Mr.Nilad Sirchad

: Environment Research & Technology Co., Ltd.

: Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664

: NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	61.5	53.9	23:00-23:05	61.1	51.6	02:00-02:05	52.5	51.1	05:00-05:05	58.6	52.2
20:05-20:10	62.5	53.2	23:05-23:10	58.4	51.8	02:05-02:10	55.1	50.6	05:05-05:10	59.1	52.6
20:10-20:15	62.4	54.0	23:10-23:15	59.2	51.1	02:10-02:15	57.8	50.9	05:10-05:15	58.0	52.0
20:15-20:20	61.9	53.7	23:15-23:20	58.6	51.1	02:15-02:20	54.8	50.5	05:15-05:20	61.4	53.1
20:20-20:25	61.6	53.9	23:20-23:25	59.6	50.5	02:20-02:25	54.6	50.8	05:20-05:25	60.6	52.2
20:25-20:30	60.0	52.4	23:25-23:30	60.1	50.6	02:25-02:30	53.3	50.7	05:25-05:30	58.2	51.1
20:30-20:35	59.5	53.2	23:30-23:35	57.6	51.2	02:30-02:35	54.3	50.3	05:30-05:35	59.7	50.9
20:35-20:40	60.0	53.1	23:35-23:40	55.3	50.7	02:35-02:40	54.3	50.6	05:35-05:40	58.3	52.1
20:40-20:45	61.0	53.3	23:40-23:45	57.7	51.2	02:40-02:45	56.2	50.3	05:40-05:45	58.5	53.0
20:45-20:50	64.9	53.3	23:45-23:50	54.9	50.6	02:45-02:50	56.8	50.1	05:45-05:50	58.4	53.5
20:50-20:55	61.4	52.6	23:50-23:55	54.0	50.4	02:50-02:55	54.5	50.4	05:50-05:55	57.4	53.4
20:55-21:00	64.5	52.1	23:55-00:00	55.8	50.1	02:55-03:00	56.8	49.8	05:55-06:00	59.7	54.2
21:00-21:05	61.1	50.7	00:00-00:05	59.3	50.5	03:00-03:05	58.9	50.4	06:00-06:05	62.9	54.8
21:05-21:10	61.5	51.5	00:05-00:10	55.5	50.9	03:05-03:10	53.6	51.3	06:05-06:10	58.9	53.4
21:10-21:15	62.2	51.8	00:10-00:15	56.1	50.6	03:10-03:15	54.2	51.9	06:10-06:15	59.9	54.6
21:15-21:20	62.3	52.0	00:15-00:20	56.3	50.4	03:15-03:20	53.9	52.1	06:15-06:20	60.4	54.1
21:20-21:25	61.9	51.5	00:20-00:25	56.8	51.0	03:20-03:25	54.1	51.7	06:20-06:25	61.0	54.6
21:25-21:30	59.3	51.0	00:25-00:30	55.9	50.5	03:25-03:30	58.7	51.7	06:25-06:30	61.2	55.3
21:30-21:35	58.7	51.7	00:30-00:35	56.0	49.9	03:30-03:35	58.0	51.7	06:30-06:35	62.2	55.6
21:35-21:40	63.2	53.9	00:35-00:40	55.2	50.2	03:35-03:40	57.6	50.7	06:35-06:40	61.9	55.0
21:40-21:45	58.8	51.5	00:40-00:45	54.2	50.2	03:40-03:45	54.0	50.4	06:40-06:45	61.5	56.0
21:45-21:50	58.1	51.3	00:45-00:50	56.0	50.6	03:45-03:50	57.5	50.4	06:45-06:50	59.7	54.0
21:50-21:55	62.3	56.0	00:50-00:55	56.9	51.0	03:50-03:55	57.3	50.4	06:50-06:55	62.9	56.1
21:55-22:00	63.0	53.5	00:55-01:00	56.2	49.7	03:55-04:00	54.1	51.0	06:55-07:00	61.4	55.3
22:00-22:05	59.8	51.9	01:00-01:05	57.3	50.4	04:00-04:05	55.5	51.1	07:00-07:05	61.8	54.1
22:05-22:10	59.9	52.4	01:05-01:10	52.1	49.5	04:05-04:10	55.9	50.5	07:05-07:10	60.6	55.4
22:10-22:15	64.2	51.9	01:10-01:15	55.1	48.9	04:10-04:15	54.9	50.4	07:10-07:15	60.6	56.3
22:15-22:20	58.6	52.1	01:15-01:20	52.6	50.4	04:15-04:20	56.1	51.7	07:15-07:20	64.0	58.0
22:20-22:25	58.5	52.0	01:20-01:25	53.9	50.7	04:20-04:25	58.4	51.4	07:20-07:25	62.4	57.7
22:25-22:30	63.6	51.7	01:25-01:30	53.8	50.3	04:25-04:30	57.8	51.6	07:25-07:30	62.5	57.5
22:30-22:35	58.9	51.8	01:30-01:35	52.9	50.5	04:30-04:35	54.7	51.6	07:30-07:35	63.8	56.7
22:35-22:40	59.6	53.6	01:35-01:40	52.6	50.8	04:35-04:40	55.4	51.2	07:35-07:40	63.8	55.4
22:40-22:45	64.6	52.2	01:40-01:45	51.9	50.9	04:40-04:45	58.6	51.9	07:40-07:45	64.4	56.9
22:45-22:50	62.3	52.0	01:45-01:50	55.9	50.7	04:45-04:50	58.9	52.7	07:45-07:50	62.2	58.0
22:50-22:55	59.8	51.4	01:50-01:55	58.9	51.3	04:50-04:55	60.6	53.3	07:50-07:55	64.8	59.8
22:55-23:00	56.8	51.2	01:55-02:00	53.3	51.1	04:55-05:00	61.7	52.8	07:55-08:00	63.8	55.0

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ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point

GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- : Klong Luang Utilities Company Limited

: 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

: Electricity and Steam Generating Cogeneration, Pathumthani Province Project

: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province

: Ambient Noise

: Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

: UTM (WGS84) 47P 0673742 E. 1550457 N

: May 21, 2022

: Mr.Nilad Sirchad

: Environment Research & Technology Co., Ltd.

: Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664

: NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	60.0	53.3	11:00-11:05	60.4	53.9	14:00-14:05	58.2	50.0	17:00-17:05	62.2	56.6
08:05-08:10	60.9	55.0	11:05-11:10	56.6	52.1	14:05-14:10	58.6	50.9	17:05-17:10	61.6	55.2
08:10-08:15	59.4	53.4	11:10-11:15	59.4	54.3	14:10-14:15	58.8	50.6	17:10-17:15	62.8	55.2
08:15-08:20	60.5	53.4	11:15-11:20	61.9	56.3	14:15-14:20	60.3	51.1	17:15-17:20	62.8	55.8
08:20-08:25	62.7	53.1	11:20-11:25	59.8	53.6	14:20-14:25	59.2	51.9	17:20-17:25	64.6	57.9
08:25-08:30	66.0	54.8	11:25-11:30	59.9	53.3	14:25-14:30	58.8	51.8	17:25-17:30	64.7	56.6
08:30-08:35	61.0	53.5	11:30-11:35	60.6	53.3	14:30-14:35	60.9	54.0	17:30-17:35	63.4	56.2
08:35-08:40	67.5	52.7	11:35-11:40	60.0	54.8	14:35-14:40	58.9	52.0	17:35-17:40	61.1	54.9
08:40-08:45	62.4	55.0	11:40-11:45	61.3	55.4	14:40-14:45	64.4	53.4	17:40-17:45	63.7	56.8
08:45-08:50	60.3	52.2	11:45-11:50	60.9	54.9	14:45-14:50	58.2	51.2	17:45-17:50	62.5	55.8
08:50-08:55	60.8	52.5	11:50-11:55	58.7	52.5	14:50-14:55	58.5	51.5	17:50-17:55	61.7	55.0
08:55-09:00	58.8	52.9	11:55-12:00	61.4	54.3	14:55-15:00	59.8	51.5	17:55-18:00	69.4	54.4
09:00-09:05	59.9	52.1	12:00-12:05	60.8	53.5	15:00-15:05	59.5	53.1	18:00-18:05	62.0	56.5
09:05-09:10	59.5	52.3	12:05-12:10	61.0	51.8	15:05-15:10	58.7	52.1	18:05-18:10	63.9	55.2
09:10-09:15	58.1	52.7	12:10-12:15	59.6	51.7	15:10-15:15	60.2	53.2	18:10-18:15	63.2	55.5
09:15-09:20	58.1	49.9	12:15-12:20	58.8	51.5	15:15-15:20	58.9	51.7	18:15-18:20	64.7	54.8
09:20-09:25	57.1	52.1	12:20-12:25	63.9	56.8	15:20-15:25	62.8	50.6	18:20-18:25	61.2	55.2
09:25-09:30	57.8	52.5	12:25-12:30	58.1	53.4	15:25-15:30	59.2	51.5	18:25-18:30	62.8	53.1
09:30-09:35	58.2	51.8	12:30-12:35	59.7	51.6	15:30-15:35	58.9	52.0	18:30-18:35	62.6	55.3
09:35-09:40	59.5	50.7	12:35-12:40	59.0	51.2	15:35-15:40	58.4	52.2	18:35-18:40	61.3	55.8
09:40-09:45	59.4	50.6	12:40-12:45	57.0	50.3	15:40-15:45	60.5	51.9	18:40-18:45	59.7	53.2
09:45-09:50	60.2	52.9	12:45-12:50	56.2	50.1	15:45-15:50	64.3	53.1	18:45-18:50	61.7	54.5
09:50-09:55	57.4	51.4	12:50-12:55	56.7	50.6	15:50-15:55	60.7	52.4	18:50-18:55	62.2	55.0
09:55-10:00	58.9	51.6	12:55-13:00	59.0	51.1	15:55-16:00	60.8	54.1	18:55-19:00	61.9	54.2
10:00-10:05	60.2	52.6	13:00-13:05	61.1	51.1	16:00-16:05	67.7	53.3	19:00-19:05	62.8	56.1
10:05-10:10	58.8	52.4	13:05-13:10	57.0	50.3	16:05-16:10	61.7	53.2	19:05-19:10	62.4	55.9
10:10-10:15	61.4	53.6	13:10-13:15	57.5	50.6	16:10-16:15	61.6	53.5	19:10-19:15	61.8	53.7
10:15-10:20	59.2	52.6	13:15-13:20	58.5	51.6	16:15-16:20	62.1	53.0	19:15-19:20	62.1	53.5
10:20-10:25	61.4	52.9	13:20-13:25	58.3	50.7	16:20-16:25	63.4	56.4	19:20-19:25	61.8	53.8
10:25-10:30	61.8	53.9	13:25-13:30	59.0	52.0	16:25-16:30	63.1	54.7	19:25-19:30	66.0	54.8
10:30-10:35	62.8	55.3	13:30-13:35	59.1	50.4	16:30-16:35	66.5	53.5	19:30-19:35	64.7	54.2
10:35-10:40	60.8	55.5	13:35-13:40	58.5	51.2	16:35-16:40	71.6	55.5	19:35-19:40	62.7	54.7
10:40-10:45	61.0	54.8	13:40-13:45	58.6	49.9	16:40-16:45	62.8	54.9	19:40-19:45	58.2	51.9
10:45-10:50	59.7	54.5	13:45-13:50	58.9	51.4	16:45-16:50	63.9	55.4	19:45-19:50	59.8	52.2
10:50-10:55	60.4	53.8	13:50-13:55	59.1	50.3	16:50-16:55	61.8	56.0	19:50-19:55	60.3	52.6
10:55-11:00	58.2	52.8	13:55-14:00	57.9	50.5	16:55-17:00	63.8	60.2	19:55-20:00	63.2	52.6

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ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point

GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- : Klong Luang Utilities Company Limited

: 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

: Electricity and Steam Generating Cogeneration, Pathumthani Province Project

: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province

: Ambient Noise

: Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

: UTM (WGS84) 47P 0673742 E. 1550457 N

: May 21-22, 2022

: Mr.Nilad Sirchad

: Environment Research & Technology Co., Ltd.

: Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664

: NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	62.3	51.2	23:00-23:05	58.6	51.5	02:00-02:05	53.2	49.9	05:00-05:05	58.0	50.6
20:05-20:10	63.9	53.6	23:05-23:10	61.0	51.8	02:05-02:10	52.9	50.1	05:05-05:10	55.7	50.5
20:10-20:15	60.0	52.1	23:10-23:15	60.8	51.6	02:10-02:15	52.3	49.8	05:10-05:15	57.3	51.3
20:15-20:20	63.0	51.7	23:15-23:20	56.5	51.8	02:15-02:20	53.5	49.8	05:15-05:20	58.6	50.5
20:20-20:25	61.2	52.9	23:20-23:25	56.3	51.3	02:20-02:25	53.5	49.5	05:20-05:25	58.2	51.1
20:25-20:30	59.5	51.5	23:25-23:30	56.6	51.7	02:25-02:30	53.8	50.3	05:25-05:30	56.8	50.3
20:30-20:35	61.2	51.1	23:30-23:35	56.0	51.2	02:30-02:35	54.1	49.9	05:30-05:35	62.4	50.3
20:35-20:40	59.1	51.1	23:35-23:40	56.3	49.9	02:35-02:40	55.7	49.6	05:35-05:40	59.7	51.6
20:40-20:45	60.0	50.7	23:40-23:45	55.7	49.9	02:40-02:45	53.7	49.3	05:40-05:45	58.8	52.4
20:45-20:50	60.3	52.6	23:45-23:50	60.8	50.6	02:45-02:50	56.9	49.2	05:45-05:50	60.6	52.6
20:50-20:55	58.0	51.1	23:50-23:55	64.6	50.7	02:50-02:55	57.4	49.4	05:50-05:55	62.9	51.8
20:55-21:00	59.3	50.8	23:55-00:00	54.6	49.8	02:55-03:00	55.8	50.1	05:55-06:00	58.7	52.6
21:00-21:05	58.6	51.2	00:00-00:05	55.7	50.0	03:00-03:05	56.0	50.1	06:00-06:05	60.0	52.7
21:05-21:10	59.9	50.8	00:05-00:10	57.9	50.3	03:05-03:10	55.2	49.8	06:05-06:10	58.9	52.3
21:10-21:15	59.4	51.2	00:10-00:15	55.3	49.6	03:10-03:15	52.9	49.7	06:10-06:15	62.7	52.6
21:15-21:20	57.4	52.0	00:15-00:20	61.9	51.0	03:15-03:20	51.4	48.6	06:15-06:20	61.3	54.0
21:20-21:25	58.3	52.1	00:20-00:25	57.4	51.2	03:20-03:25	49.9	48.6	06:20-06:25	59.0	53.8
21:25-21:30	56.4	51.1	00:25-00:30	57.2	51.3	03:25-03:30	54.8	48.8	06:25-06:30	59.4	53.9
21:30-21:35	60.6	51.9	00:30-00:35	51.9	50.0	03:30-03:35	55.7	49.8	06:30-06:35	60.0	52.0
21:35-21:40	57.6	51.6	00:35-00:40	53.0	50.3	03:35-03:40	54.4	49.7	06:35-06:40	59.7	53.5
21:40-21:45	56.7	51.4	00:40-00:45	53.1	50.7	03:40-03:45	54.3	50.2	06:40-06:45	59.5	53.4
21:45-21:50	61.4	52.5	00:45-00:50	53.3	49.8	03:45-03:50	56.0	50.2	06:45-06:50	57.4	52.6
21:50-21:55	58.7	51.9	00:50-00:55	52.4	50.4	03:50-03:55	54.3	50.7	06:50-06:55	59.3	52.3
21:55-22:00	59.9	51.4	00:55-01:00	60.7	50.7	03:55-04:00	55.6	50.7	06:55-07:00	58.2	51.4
22:00-22:05	63.1	52.6	01:00-01:05	53.2	50.2	04:00-04:05	54.7	49.9	07:00-07:05	59.3	52.9
22:05-22:10	55.8	51.4	01:05-01:10	53.4	49.8	04:05-04:10	54.8	49.7	07:05-07:10	60.8	52.9
22:10-22:15	56.6	52.1	01:10-01:15	58.0	49.7	04:10-04:15	57.3	49.8	07:10-07:15	60.7	53.1
22:15-22:20	57.8	51.0	01:15-01:20	56.5	49.6	04:15-04:20	52.8	49.1	07:15-07:20	61.1	54.4
22:20-22:25	56.1	51.2	01:20-01:25	53.6	49.5	04:20-04:25	56.9	49.4	07:20-07:25	63.2	56.2
22:25-22:30	54.9	51.2	01:25-01:30	51.2	49.5	04:25-04:30	56.0	49.5	07:25-07:30	59.5	53.5
22:30-22:35	60.5	51.6	01:30-01:35	54.0	50.1	04:30-04:35	55.3	49.2	07:30-07:35	66.5	53.4
22:35-22:40	55.9	51.4	01:35-01:40	53.2	49.6	04:35-04:40	54.3	50.1	07:35-07:40	60.9	54.9
22:40-22:45	58.9	50.8	01:40-01:45	53.1	49.3	04:40-04:45	56.2	49.9	07:40-07:45	62.0	54.8
22:45-22:50	56.1	50.9	01:45-01:50	52.2	49.7	04:45-04:50	58.0	49.9	07:45-07:50	63.0	54.0
22:50-22:55	58.8	51.6	01:50-01:55	52.1	50.0	04:50-04:55	56.9	49.5	07:50-07:55	60.1	53.5
22:55-23:00	55.8	51.4	01:55-02:00	51.8	49.6	04:55-05:00	58.4	51.0	07:55-08:00	61.4	53.1

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 22, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	60.2	53.5	11:00-11:05	60.4	51.8	14:00-14:05	57.6	51.7	17:00-17:05	60.9	53.5
08:05-08:10	60.2	53.3	11:05-11:10	61.3	52.5	14:05-14:10	62.9	53.6	17:05-17:10	63.1	54.7
08:10-08:15	63.1	53.3	11:10-11:15	61.6	53.1	14:10-14:15	58.1	53.8	17:10-17:15	66.8	55.2
08:15-08:20	58.9	52.1	11:15-11:20	62.1	53.5	14:15-14:20	62.1	55.3	17:15-17:20	61.7	55.3
08:20-08:25	59.6	53.1	11:20-11:25	61.9	55.3	14:20-14:25	60.3	55.0	17:20-17:25	62.1	53.4
08:25-08:30	58.3	52.4	11:25-11:30	60.4	53.0	14:25-14:30	63.6	55.7	17:25-17:30	62.3	55.5
08:30-08:35	59.9	52.8	11:30-11:35	58.8	53.4	14:30-14:35	62.6	55.7	17:30-17:35	64.0	57.1
08:35-08:40	59.7	52.2	11:35-11:40	63.0	53.0	14:35-14:40	58.8	54.2	17:35-17:40	61.4	53.8
08:40-08:45	60.2	52.9	11:40-11:45	60.5	54.5	14:40-14:45	58.9	54.2	17:40-17:45	64.8	56.1
08:45-08:50	61.0	54.4	11:45-11:50	62.4	52.9	14:45-14:50	61.4	56.2	17:45-17:50	61.5	54.0
08:50-08:55	60.8	54.5	11:50-11:55	65.0	53.6	14:50-14:55	63.3	53.4	17:50-17:55	67.0	56.0
08:55-09:00	58.0	52.2	11:55-12:00	59.8	52.8	14:55-15:00	60.6	56.6	17:55-18:00	67.4	53.8
09:00-09:05	61.4	55.1	12:00-12:05	61.7	53.3	15:00-15:05	62.9	55.3	18:00-18:05	61.2	54.9
09:05-09:10	59.1	52.0	12:05-12:10	58.7	52.4	15:05-15:10	61.4	55.0	18:05-18:10	64.7	54.9
09:10-09:15	65.3	53.4	12:10-12:15	60.7	53.5	15:10-15:15	62.3	56.8	18:10-18:15	60.2	53.8
09:15-09:20	61.9	52.9	12:15-12:20	59.8	52.4	15:15-15:20	61.7	54.4	18:15-18:20	64.6	54.9
09:20-09:25	59.4	53.2	12:20-12:25	61.7	52.6	15:20-15:25	62.3	55.1	18:20-18:25	64.4	54.1
09:25-09:30	59.1	52.4	12:25-12:30	67.1	53.5	15:25-15:30	63.1	55.2	18:25-18:30	63.9	54.7
09:30-09:35	59.3	51.4	12:30-12:35	64.5	52.0	15:30-15:35	60.4	54.7	18:30-18:35	59.4	53.9
09:35-09:40	61.2	55.7	12:35-12:40	57.8	51.9	15:35-15:40	60.6	54.3	18:35-18:40	61.6	52.3
09:40-09:45	60.7	57.0	12:40-12:45	63.8	53.1	15:40-15:45	61.9	55.3	18:40-18:45	60.9	54.9
09:45-09:50	59.9	55.5	12:45-12:50	59.7	53.4	15:45-15:50	62.5	55.9	18:45-18:50	61.4	53.8
09:50-09:55	60.5	56.2	12:50-12:55	59.9	52.9	15:50-15:55	59.4	52.5	18:50-18:55	64.8	54.0
09:55-10:00	59.4	54.7	12:55-13:00	58.7	52.9	15:55-16:00	63.4	52.3	18:55-19:00	61.8	54.4
10:00-10:05	59.7	54.1	13:00-13:05	57.9	51.1	16:00-16:05	62.3	53.2	19:00-19:05	59.4	53.9
10:05-10:10	61.1	54.9	13:05-13:10	61.9	52.4	16:05-16:10	62.3	53.8	19:05-19:10	64.1	54.7
10:10-10:15	61.3	54.7	13:10-13:15	61.0	53.1	16:10-16:15	63.7	53.0	19:10-19:15	61.7	52.5
10:15-10:20	62.7	56.1	13:15-13:20	60.5	51.8	16:15-16:20	59.1	53.1	19:15-19:20	61.9	53.0
10:20-10:25	57.7	52.9	13:20-13:25	62.5	52.7	16:20-16:25	61.1	52.8	19:20-19:25	59.1	52.7
10:25-10:30	59.8	53.7	13:25-13:30	60.3	52.3	16:25-16:30	61.5	54.8	19:25-19:30	62.2	52.3
10:30-10:35	59.5	54.1	13:30-13:35	59.7	52.6	16:30-16:35	61.5	55.2	19:30-19:35	63.4	52.4
10:35-10:40	60.7	53.1	13:35-13:40	62.2	52.4	16:35-16:40	61.5	52.9	19:35-19:40	63.5	53.0
10:40-10:45	59.7	52.3	13:40-13:45	57.8	50.7	16:40-16:45	59.1	52.5	19:40-19:45	66.1	53.7
10:45-10:50	60.8	52.1	13:45-13:50	62.0	53.9	16:45-16:50	61.9	52.1	19:45-19:50	61.8	54.8
10:50-10:55	59.3	53.6	13:50-13:55	60.0	53.5	16:50-16:55	62.6	53.3	19:50-19:55	61.7	52.6
10:55-11:00	63.9	52.9	13:55-14:00	59.0	53.0	16:55-17:00	62.8	53.9	19:55-20:00	59.4	51.9

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 22-23, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	58.7	52.0	23:00-23:05	56.1	50.2	02:00-02:05	54.9	49.9	05:00-05:05	56.6	51.0
20:05-20:10	64.5	52.9	23:05-23:10	59.3	50.7	02:05-02:10	55.5	49.8	05:05-05:10	58.6	51.8
20:10-20:15	60.8	52.5	23:10-23:15	55.5	50.6	02:10-02:15	55.8	49.3	05:10-05:15	58.8	51.7
20:15-20:20	65.2	54.6	23:15-23:20	56.4	50.8	02:15-02:20	56.2	49.5	05:15-05:20	59.6	52.5
20:20-20:25	60.9	51.3	23:20-23:25	56.7	51.3	02:20-02:25	56.2	49.6	05:20-05:25	59.8	53.1
20:25-20:30	62.7	53.0	23:25-23:30	55.7	51.2	02:25-02:30	53.9	49.0	05:25-05:30	59.1	52.8
20:30-20:35	58.7	51.5	23:30-23:35	55.1	51.2	02:30-02:35	52.0	49.0	05:30-05:35	56.6	51.6
20:35-20:40	63.5	52.5	23:35-23:40	55.9	51.0	02:35-02:40	51.2	48.7	05:35-05:40	59.5	53.4
20:40-20:45	59.8	51.5	23:40-23:45	53.9	50.9	02:40-02:45	50.7	49.1	05:40-05:45	60.0	54.1
20:45-20:50	56.1	51.0	23:45-23:50	57.7	51.1	02:45-02:50	52.2	49.0	05:45-05:50	58.8	54.6
20:50-20:55	60.7	51.9	23:50-23:55	51.5	49.8	02:50-02:55	56.7	49.4	05:50-05:55	62.3	54.1
20:55-21:00	57.0	50.4	23:55-00:00	53.5	50.3	02:55-03:00	52.2	48.3	05:55-06:00	58.5	53.2
21:00-21:05	62.2	52.9	00:00-00:05	56.1	50.9	03:00-03:05	55.6	48.7	06:00-06:05	60.3	54.3
21:05-21:10	63.3	51.7	00:05-00:10	56.8	50.9	03:05-03:10	56.3	48.6	06:05-06:10	62.4	56.0
21:10-21:15	61.0	51.5	00:10-00:15	52.7	49.5	03:10-03:15	57.3	49.3	06:10-06:15	60.8	56.4
21:15-21:20	58.9	52.3	00:15-00:20	54.2	50.0	03:15-03:20	56.8	49.2	06:15-06:20	61.9	56.0
21:20-21:25	58.2	51.1	00:20-00:25	57.8	51.2	03:20-03:25	54.8	49.2	06:20-06:25	63.2	56.7
21:25-21:30	57.3	51.7	00:25-00:30	56.8	50.6	03:25-03:30	57.8	49.2	06:25-06:30	61.9	56.6
21:30-21:35	59.5	52.0	00:30-00:35	55.8	50.5	03:30-03:35	54.4	48.7	06:30-06:35	62.2	56.0
21:35-21:40	58.7	51.5	00:35-00:40	59.5	50.3	03:35-03:40	55.9	49.8	06:35-06:40	63.3	57.3
21:40-21:45	60.0	51.3	00:40-00:45	55.7	50.4	03:40-03:45	53.3	48.6	06:40-06:45	64.5	58.2
21:45-21:50	57.9	50.7	00:45-00:50	57.2	50.7	03:45-03:50	57.6	49.0	06:45-06:50	63.3	57.0
21:50-21:55	58.5	52.1	00:50-00:55	53.7	50.0	03:50-03:55	52.1	49.4	06:50-06:55	62.5	56.4
21:55-22:00	67.0	51.9	00:55-01:00	54.9	49.5	03:55-04:00	56.0	49.0	06:55-07:00	60.9	54.5
22:00-22:05	57.2	51.1	01:00-01:05	52.7	49.8	04:00-04:05	55.1	50.2	07:00-07:05	61.7	55.4
22:05-22:10	57.9	50.8	01:05-01:10	55.2	49.4	04:05-04:10	57.2	50.2	07:05-07:10	63.3	56.1
22:10-22:15	56.8	51.6	01:10-01:15	54.6	49.6	04:10-04:15	56.8	50.1	07:10-07:15	62.7	55.5
22:15-22:20	63.0	51.6	01:15-01:20	53.6	49.9	04:15-04:20	55.0	50.6	07:15-07:20	64.1	55.2
22:20-22:25	59.5	50.6	01:20-01:25	53.8	49.9	04:20-04:25	52.5	50.3	07:20-07:25	62.3	56.8
22:25-22:30	60.5	50.9	01:25-01:30	54.9	50.1	04:25-04:30	54.0	49.7	07:25-07:30	62.0	55.6
22:30-22:35	56.1	51.1	01:30-01:35	52.2	50.0	04:30-04:35	56.3	50.8	07:30-07:35	63.5	57.3
22:35-22:40	58.0	51.1	01:35-01:40	52.0	50.0	04:35-04:40	55.3	50.2	07:35-07:40	63.2	55.8
22:40-22:45	55.0	50.4	01:40-01:45	51.7	49.9	04:40-04:45	52.7	50.4	07:40-07:45	62.6	56.2
22:45-22:50	57.5	50.5	01:45-01:50	53.0	49.8	04:45-04:50	56.6	50.4	07:45-07:50	62.6	55.4
22:50-22:55	58.8	50.8	01:50-01:55	52.0	49.4	04:50-04:55	55.5	50.5	07:50-07:55	59.9	54.0
22:55-23:00	57.2	51.4	01:55-02:00	51.4	49.7	04:55-05:00	58.9	50.8	07:55-08:00	60.4	53.0

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 23, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	60.6	53.8	11:00-11:05	59.8	51.1	14:00-14:05	60.2	53.3	17:00-17:05	61.3	53.9
08:05-08:10	71.7	55.2	11:05-11:10	59.5	50.6	14:05-14:10	59.5	50.8	17:05-17:10	61.8	54.5
08:10-08:15	68.8	56.8	11:10-11:15	60.8	52.3	14:10-14:15	56.6	47.5	17:10-17:15	63.9	56.0
08:15-08:20	67.6	53.5	11:15-11:20	59.7	51.4	14:15-14:20	57.8	48.4	17:15-17:20	65.4	56.6
08:20-08:25	62.3	53.9	11:20-11:25	65.7	52.2	14:20-14:25	60.4	55.4	17:20-17:25	66.5	55.3
08:25-08:30	63.3	55.1	11:25-11:30	62.5	51.2	14:25-14:30	61.5	55.7	17:25-17:30	62.1	54.7
08:30-08:35	67.2	54.8	11:30-11:35	61.5	50.8	14:30-14:35	62.9	54.6	17:35-17:40	62.5	56.4
08:35-08:40	74.9	56.7	11:35-11:40	63.8	51.5	14:35-14:40	61.1	53.1	17:40-17:45	64.9	54.8
08:40-08:45	68.7	56.6	11:40-11:45	61.2	52.1	14:40-14:45	62.8	53.0	17:45-17:50	68.2	57.6
08:45-08:50	67.0	53.1	11:45-11:50	63.1	48.1	14:45-14:50	60.1	50.3	17:50-17:55	63.9	56.0
08:50-08:55	62.3	55.2	11:50-11:55	58.0	48.9	14:50-14:55	60.3	51.7	17:55-17:59	69.9	62.2
08:55-09:00	68.6	56.1	11:55-12:00	60.7	51.0	14:55-15:00	58.5	49.2	17:59-18:00	65.8	60.4
09:00-09:05	66.5	59.2	12:00-12:05	58.4	49.4	15:00-15:05	59.3	48.9	18:00-18:05	68.1	58.1
09:05-09:10	64.2	58.1	12:05-12:10	56.1	48.9	15:05-15:10	59.0	48.9	18:05-18:10	64.3	55.2
09:10-09:15	68.4	60.4	12:10-12:15	61.5	48.2	15:10-15:15	60.3	50.6	18:10-18:15	62.1	55.0
09:15-09:20	74.9	61.4	12:15-12:20	57.7	48.2	15:15-15:20	58.3	46.9	18:15-18:20	63.9	55.3
09:20-09:25	70.8	61.3	12:20-12:25	58.0	48.7	15:20-15:25	59.3	50.6	18:20-18:25	62.2	56.5
09:25-09:30	68.4	62.9	12:25-12:30	59.4	48.8	15:25-15:30	57.7	46.8	18:25-18:30	63.9	57.1
09:30-09:35	71.2	66.7	12:30-12:35	58.3	49.4	15:30-15:35	58.9	50.1	18:30-18:35	61.7	55.5
09:35-09:40	63.5	53.4	12:35-12:40	58.8	49.4	15:35-15:40	60.3	50.3	18:35-18:40	63.2	56.5
09:40-09:45	61.1	51.9	12:40-12:45	62.7	50.2	15:40-15:45	57.4	50.2	18:40-18:45	63.4	54.4
09:45-09:50	65.0	53.3	12:45-12:50	60.1	50.7	15:45-15:50	58.0	49.9	18:45-18:50	62.7	54.0
09:50-09:55	65.2	53.6	12:50-12:55	58.6	48.2	15:50-15:55	58.6	50.4	18:50-18:55	61.3	53.8
09:55-10:00	63.2	52.0	12:55-13:00	62.3	49.4	15:55-16:00	62.4	50.6	18:55-19:00	60.9	54.2
10:00-10:05	61.6	52.0	13:00-13:05	61.4	49.3	16:00-16:05	61.9	50.6	19:00-19:05	62.0	53.1
10:05-10:10	60.6	52.6	13:05-13:10	60.2	53.6	16:05-16:10	61.4	51.4	19:05-19:10	61.8	49.9
10:10-10:15	59.3	52.1	13:10-13:15	60.5	51.6	16:10-16:15	63.8	54.8	19:10-19:15	62.6	55.5
10:15-10:20	59.9	51.5	13:15-13:20	61.3	53.0	16:15-16:20	66.9	54.9	19:15-19:20	61.7	53.7
10:20-10:25	57.7	50.5	13:20-13:25	63.8	55.2	16:20-16:25	60.2	54.8	19:20-19:25	61.7	55.1
10:25-10:30	60.1	51.3	13:25-13:30	61.2	53.7	16:25-16:30	62.7	56.9	19:25-19:30	60.5	54.2
10:30-10:35	62.1	52.2	13:30-13:35	59.6	53.6	16:30-16:35	60.3	53.3	19:30-19:35	63.4	52.8
10:35-10:40	60.5	52.0	13:35-13:40	60.6	53.4	16:35-16:40	60.9	53.3	19:35-19:40	61.9	51.2
10:40-10:45	57.3	51.8	13:40-13:45	61.3	52.3	16:40-16:45	59.0	51.2	19:40-19:45	78.3	53.6
10:45-10:50	58.7	52.4	13:45-13:50	59.2	52.5	16:45-16:50	61.9	53.3	19:45-19:50	62.7	53.6
10:50-10:55	58.9	51.1	13:50-13:55	60.3	52.6	16:50-16:55	60.4	53.4	19:50-19:55	63.9	51.8
10:55-11:00	60.6	51.4	13:55-14:00	60.8	52.4	16:55-17:00	62.8	53.4	19:55-20:00	57.7	49.4

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 23-24, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	63.6	50.6	23:00-23:05	61.8	45.0	02:00-02:05	53.3	44.4	05:00-05:05	57.7	47.4
20:05-20:10	60.8	52.2	23:05-23:10	63.0	48.6	02:05-02:10	46.7	44.1	05:05-05:10	58.5	47.9
20:10-20:15	59.8	50.9	23:10-23:15	55.3	44.4	02:10-02:15	54.3	44.1	05:10-05:15	57.2	47.2
20:15-20:20	60.2	51.8	23:15-23:20	54.8	44.4	02:15-02:20	51.5	44.1	05:15-05:20	57.4	46.5
20:20-20:25	58.7	52.6	23:20-23:25	57.1	44.7	02:20-02:25	51.6	44.0	05:20-05:25	57.0	49.6
20:25-20:30	61.3	52.9	23:25-23:30	57.8	45.6	02:25-02:30	49.7	44.1	05:25-05:30	58.1	50.5
20:30-20:35	59.9	52.5	23:30-23:35	56.3	45.4	02:30-02:35	50.4	44.4	05:30-05:35	57.6	49.0
20:35-20:40	61.0	51.6	23:35-23:40	55.5	45.3	02:35-02:40	47.5	44.2	05:35-05:40	59.2	50.6
20:40-20:45	57.4	48.4	23:40-23:45	54.7	45.2	02:40-02:45	47.9	44.0	05:40-05:45	58.9	50.9
20:45-20:50	60.3	49.4	23:45-23:50	55.0	45.2	02:45-02:50	48.7	44.5	05:45-05:50	59.6	51.9
20:50-20:55	57.2	47.6	23:50-23:55	55.3	45.4	02:50-02:55	52.0	44.2	05:50-05:55	59.8	50.4
20:55-21:00	60.5	48.2	23:55-00:00	53.2	44.2	02:55-03:00	56.0	44.3	05:55-06:00	60.1	52.5
21:00-21:05	59.9	49.1	00:00-00:05	61.3	44.5	03:00-03:05	53.6	44.3	06:00-06:05	63.2	54.1
21:05-21:10	60.4	50.9	00:05-00:10	55.7	44.1	03:05-03:10	50.5	44.0	06:05-06:10	59.0	53.9
21:10-21:15	62.7	49.2	00:10-00:15	52.3	45.3	03:10-03:15	52.3	44.0	06:10-06:15	61.2	55.9
21:15-21:20	64.1	50.6	00:15-00:20	52.6	46.6	03:15-03:20	47.5	43.8	06:15-06:20	61.5	53.2
21:20-21:25	58.5	53.3	00:20-00:25	52.3	45.5	03:20-03:25	47.4	43.8	06:20-06:25	60.4	55.0
21:25-21:30	60.2	51.9	00:25-00:30	52.9	45.4	03:25-03:30	53.6	43.0	06:25-06:30	63.6	57.0
21:30-21:35	58.6	50.9	00:30-00:35	54.6	45.2	03:30-03:35	48.5	42.4	06:30-06:35	61.8	54.5
21:35-21:40	60.3	51.2	00:35-00:40	54.2	45.3	03:35-03:40	57.3	43.2	06:35-06:40	61.0	54.7
21:40-21:45	59.4	50.4	00:40-00:45	50.9	44.7	03:40-03:45	50.9	43.1	06:40-06:45	61.6	53.3
21:45-21:50	59.1	49.2	00:45-00:50	53.9	45.1	03:45-03:50	49.2	42.9	06:45-06:50	64.1	56.6
21:50-21:55	61.1	48.9	00:50-00:55	51.6	44.9	03:50-03:55	53.8	43.2	06:50-06:55	63.1	54.5
21:55-22:00	58.3	52.7	00:55-01:00	52.4	44.9	03:55-04:00	55.2	43.0	06:55-07:00	64.5	56.0
22:00-22:05	59.4	49.4	01:00-01:05	51.1	44.8	04:00-04:05	55.5	42.9	07:00-07:05	63.1	55.5
22:05-22:10	58.3	48.8	01:05-01:10	50.7	44.8	04:05-04:10	56.0	43.2	07:05-07:10	62.5	56.3
22:10-22:15	56.8	49.7	01:10-01:15	53.2	44.4	04:10-04:15	55.8	43.8	07:10-07:15	60.5	55.6
22:15-22:20	61.7	48.7	01:15-01:20	48.7	44.5	04:15-04:20	55.9	43.3	07:15-07:20	61.8	57.0
22:20-22:25	57.1	49.0	01:20-01:25	49.5	44.8	04:20-04:25	57.0	44.6	07:20-07:25	61.0	54.5
22:25-22:30	60.6	48.6	01:25-01:30	52.7	44.7	04:25-04:30	55.8	43.6	07:25-07:30	64.3	56.9
22:30-22:35	53.1	52.6	01:30-01:35	51.7	44.6	04:30-04:35	59.3	44.0	07:30-07:35	61.3	56.5
22:35-22:40	59.7	45.3	01:35-01:40	50.0	44.9	04:35-04:40	50.3	43.3	07:35-07:40	63.6	57.7
22:40-22:45	57.0	44.9	01:40-01:45	54.3	44.9	04:40-04:45	55.8	43.0	07:40-07:45	62.8	54.4
22:45-22:50	58.1	44.8	01:45-01:50	54.2	44.8	04:45-04:50	55.8	43.3	07:45-07:50	61.4	51.9
22:50-22:55	57.9	46.6	01:50-01:55	51.8	44.5	04:50-04:55	58.8	45.9	07:50-07:55	61.5	53.5
22:55-23:00	54.9	45.1	01:55-02:00	47.0	44.4	04:55-05:00	59.6	47.3	07:55-08:00	59.4	53.5

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 24, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
08:00-08:05	61.3	52.9	11:00-11:05	58.0	49.3	14:00-14:05	59.7	50.3	17:00-17:05	62.2	55.0
08:05-08:10	58.7	50.9	11:05-11:10	58.4	50.1	14:05-14:10	58.5	49.5	17:05-17:10	62.0	55.4
08:10-08:15	60.6	50.9	11:10-11:15	58.0	48.7	14:10-14:15	57.1	46.6	17:10-17:15	63.3	55.8
08:15-08:20	61.4	53.3	11:15-11:20	58.4	52.2	14:15-14:20	58.4	50.4	17:15-17:20	67.1	57.1
08:20-08:25	59.8	52.9	11:20-11:25	62.0	51.1	14:20-14:25	59.1	50.7	17:20-17:25	64.7	56.8
08:25-08:30	60.4	52.5	11:25-11:30	57.4	50.1	14:25-14:30	57.0	48.4	17:25-17:30	64.0	55.8
08:30-08:35	61.0	52.3	11:30-11:35	56.7	50.5	14:30-14:35	59.2	49.6	17:30-17:35	60.8	54.9
08:35-08:40	60.8	51.9	11:35-11:40	59.0	50.2	14:35-14:40	62.0	49.8	17:35-17:40	64.4	57.9
08:40-08:45	64.0	52.3	11:40-11:45	58.4	51.5	14:40-14:45	58.4	52.0	17:40-17:45	63.4	57.3
08:45-08:50	57.4	49.3	11:45-11:50	56.9	49.3	14:45-14:50	55.4	47.8	17:45-17:50	62.2	55.9
08:50-08:55	60.6	51.5	11:50-11:55	57.3	51.9	14:50-14:55	59.0	50.6	17:50-17:55	62.4	56.3
08:55-09:00	64.8	53.3	11:55-12:00	58.2	51.2	14:55-15:00	57.2	50.5	17:55-18:00	64.9	57.2
09:00-09:05	58.6	51.2	12:00-12:05	61.1	50.7	15:00-15:05	61.8	51.0	18:00-18:05	64.7	56.9
09:05-09:10	58.5	50.2	12:05-12:10	57.6	50.9	15:05-15:10	62.4	50.6	18:05-18:10	68.7	56.2
09:10-09:15	58.1	48.8	12:10-12:15	60.3	50.7	15:10-15:15	58.7	51.5	18:10-18:15	69.7	58.5
09:15-09:20	58.1	52.0	12:15-12:20	57.3	49.4	15:15-15:20	60.7	52.3	18:15-18:20	64.9	55.2
09:20-09:25	62.3	51.1	12:20-12:25	61.1	52.5	15:20-15:25	61.4	50.3	18:20-18:25	66.7	55.2
09:25-09:30	60.1	47.8	12:25-12:30	57.9	48.1	15:25-15:30	58.6	46.9	18:25-18:30	66.0	55.7
09:30-09:35	59.3	51.4	12:30-12:35	67.8	49.2	15:30-15:35	60.9	56.4	18:30-18:35	64.8	56.3
09:35-09:40	58.1	49.4	12:35-12:40	68.6	51.6	15:35-15:40	61.5	56.7	18:35-18:40	64.1	55.1
09:40-09:45	59.6	51.5	12:40-12:45	60.2	48.5	15:40-15:45	62.1	58.3	18:40-18:45	69.3	58.8
09:45-09:50	59.6	50.8	12:45-12:50	58.6	52.1	15:45-15:50	61.3	57.7	18:45-18:50	66.5	52.6
09:50-09:55	58.5	50.8	12:50-12:55	62.1	55.2	15:50-15:55	61.4	56.6	18:50-18:55	63.1	53.6
09:55-10:00	58.0	50.5	12:55-13:00	62.5	56.4	15:55-16:00	62.5	57.9	18:55-19:00	61.1	52.4
10:00-10:05	58.6	49.8	13:00-13:05	61.4	56.4	16:00-16:05	60.7	55.7	19:00-19:05	60.6	51.2
10:05-10:10	59.0	48.7	13:05-13:10	64.4	59.2	16:05-16:10	62.6	58.6	19:05-19:10	63.3	54.1
10:10-10:15	58.1	48.4	13:10-13:15	62.3	57.9	16:10-16:15	63.6	57.0	19:10-19:15	60.7	54.5
10:15-10:20	61.1	47.2	13:15-13:20	60.3	51.9	16:15-16:20	62.6	56.7	19:15-19:20	63.2	53.7
10:20-10:25	57.2	47.7	13:20-13:25	55.6	46.9	16:20-16:25	62.2	53.9	19:20-19:25	67.2	55.1
10:25-10:30	57.7	47.8	13:25-13:30	59.7	48.2	16:25-16:30	59.1	53.3	19:25-19:30	61.3	52.8
10:30-10:35	56.7	50.0	13:30-13:35	57.0	49.3	16:30-16:35	60.0	51.8	19:30-19:35	62.2	49.6
10:35-10:40	58.6	50.8	13:35-13:40	59.1	51.5	16:35-16:40	60.9	54.2	19:35-19:40	59.2	53.7
10:40-10:45	59.8	51.6	13:40-13:45	59.6	49.7	16:40-16:45	61.5	53.2	19:40-19:45	63.5	49.5
10:45-10:50	62.5	50.5	13:45-13:50	59.1	47.7	16:45-16:50	62.5	55.8	19:45-19:50	59.5	53.1
10:50-10:55	62.2	52.4	13:50-13:55	57.5	48.4	16:50-16:55	61.8	53.4	19:50-19:55	66.4	49.9
10:55-11:00	59.0	50.6	13:55-14:00	59.4	49.7	16:55-17:00	60.6	52.1	19:55-20:00	60.7	49.7

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0673742 E. 1550457 N
Measured Date : May 24-25, 2022
Measured By : Mr.Nilad Sirchad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-42 Serial Number 00484664
Reported Number : NCC275/2565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
20:00-20:05	63.5	49.0	23:00-23:05	57.9	44.8	02:00-02:05	50.1	44.2	05:00-05:05	65.1	53.1
20:05-20:10	64.4	55.2	23:05-23:10	57.9	48.2	02:05-02:10	53.9	44.0	05:05-05:10	65.3	53.5
20:10-20:15	62.0	52.2	23:10-23:15	56.4	45.6	02:10-02:15	49.7	43.8	05:10-05:15	66.6	53.3
20:15-20:20	62.8	52.7	23:15-23:20	54.7	44.8	02:15-02:20	46.7	44.0	05:15-05:20	67.1	53.5
20:20-20:25	60.7	51.5	23:20-23:25	59.8	44.5	02:20-02:25	49.6	44.0	05:20-05:25	62.5	54.6
20:25-20:30	59.8	51.8	23:25-23:30	53.1	44.8	02:25-02:30	46.0	43.8	05:25-05:30	60.0	53.4
20:30-20:35	58.9	48.7	23:30-23:35	57.4	44.9	02:30-02:35	47.1	43.6	05:30-05:35	60.0	49.6
20:35-20:40	63.1	49.9	23:35-23:40	54.3	44.6	02:35-02:40	48.1	43.8	05:35-05:40	58.9	49.7
20:40-20:45	64.1	52.7	23:40-23:45	57.2	45.1	02:40-02:45	50.5	43.9	05:40-05:45	59.3	52.9
20:45-20:50	61.3	52.4	23:45-23:50	56.4	44.6	02:45-02:50	50.6	44.1	05:45-05:50	59.0	51.1
20:50-20:55	59.1	48.8	23:50-23:55	54.1	44.1	02:50-02:55	48.9	44.1	05:50-05:55	60.9	52.1
20:55-21:00	61.9	49.7	23:55-00:00	51.0	44.4	02:55-03:00	48.8	43.7	05:55-06:00	56.1	49.8
21:00-21:05	59.2	48.5	00:00-00:05	61.6	44.7	03:00-03:05	52.0	42.7	06:00-06:05	60.7	52.3
21:05-21:10	60.5	49.5	00:05-00:10	53.0	44.2	03:05-03:10	54.6	43.0	06:05-06:10	59.1	51.4
21:10-21:15	57.3	46.5	00:10-00:15	51.9	44.4	03:10-03:15	56.1	43.0	06:10-06:15	60.2	53.6
21:15-21:20	62.1	49.8	00:15-00:20	56.4	44.2	03:15-03:20	58.9	43.1	06:15-06:20	64.6	56.6
21:20-21:25	63.0	47.8	00:20-00:25	53.3	44.3	03:20-03:25	57.1	42.8	06:20-06:25	61.8	55.2
21:25-21:30	61.3	48.8	00:25-00:30	53.8	44.7	03:25-03:30	52.9	43.2	06:25-06:30	62.9	56.8
21:30-21:35	58.6	46.9	00:30-00:35	53.4	45.8	03:30-03:35	53.6	43.3	06:30-06:35	61.1	53.1
21:35-21:40	61.8	47.6	00:35-00:40	53.7	45.6	03:35-03:40	51.6	42.9	06:35-06:40	61.9	54.4
21:40-21:45	57.3	48.2	00:40-00:45	50.8	45.3	03:40-03:45	56.4	43.5	06:40-06:45	61.5	52.7
21:45-21:50	60.6	50.0	00:45-00:50	48.7	45.7	03:45-03:50	56.8	43.8	06:45-06:50	61.8	55.0
21:50-21:55	59.0	46.4	00:50-00:55	49.9	45.3	03:50-03:55	48.9	42.9	06:50-06:55	62.5	55.9
21:55-22:00	55.1	46.4	00:55-01:00	50.4	44.9	03:55-04:00	49.6	42.7	06:55-07:00	62.8	56.4
22:00-22:05	55.7	45.9	01:00-01:05	50.3	44.8	04:00-04:05	49.8	42.9	07:00-07:05	60.7	53.7
22:05-22:10	60.6	46.3	01:05-01:10	51.0	44.9	04:05-04:10	47.7	42.7	07:05-07:10	61.5	55.9
22:10-22:15	59.7	46.1	01:10-01:15	56.6	44.9	04:10-04:15	50.2	43.2	07:10-07:15	63.3	56.4
22:15-22:20	56.1	46.7	01:15-01:20	54.9	44.8	04:15-04:20	51.5	43.1	07:15-07:20	62.4	57.5
22:20-22:25	56.3	46.6	01:20-01:25	53.3	44.6	04:20-04:25	55.2	43.2	07:20-07:25	61.1	55.1
22:25-22:30	57.3	48.3	01:25-01:30	52.6	44.4	04:25-04:30	56.2	43.2	07:25-07:30	60.9	55.4
22:30-22:35	54.9	46.4	01:30-01:35	55.9	44.6	04:30-04:35	58.6	45.2	07:30-07:35	64.3	57.3
22:35-22:40	59.1	45.1	01:35-01:40	50.1	44.5	04:35-04:40	56.4	45.7	07:35-07:40	61.3	56.3
22:40-22:45	59.4	49.2	01:40-01:45	54.2	44.6	04:40-04:45	58.1	52.1	07:40-07:45	62.3	55.2
22:45-22:50	58.3	46.5	01:45-01:50	49.1	44.0	04:45-04:50	64.4	52.6	07:45-07:50	61.1	55.2
22:50-22:55	58.0	45.1	01:50-01:55	48.8	44.1	04:50-04:55	64.0	52.6	07:50-07:55	67.2	55.3
22:55-23:00	58.0	45.8	01:55-02:00	48.0	43.9	04:55-05:00	64.5	52.8	07:55-08:00	62.6	53.5

Laboratory Review Laboratory Supervisor
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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 18-19, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC278/2565

Interval Time	Noise Level, dBA					L90
	Leq	Lmax	L5	L10	L50	
10:00 - 11:00	62.2	90.5	65.5	63.5	60.5	59.5
11:00 - 12:00	60.3	78.4	61.8	61.0	60.0	59.5
12:00 - 13:00	61.2	72.0	62.8	62.2	60.9	60.1
13:00 - 14:00	61.5	77.3	63.6	63.0	60.9	60.0
14:00 - 15:00	61.6	94.8	63.2	62.5	60.8	60.2
15:00 - 16:00	60.2	73.4	61.2	60.7	59.9	59.5
16:00 - 17:00	60.9	77.5	63.0	61.8	60.2	59.5
17:00 - 18:00	62.5	80.7	64.7	63.8	61.9	60.8
18:00 - 19:00	61.8	74.2	63.5	62.9	61.5	60.7
19:00 - 20:00	61.4	71.4	63.2	62.5	61.0	60.2
20:00 - 21:00	60.3	80.3	61.5	60.8	59.9	59.5
21:00 - 22:00	59.9	66.3	60.4	60.2	59.8	59.6
22:00 - 23:00	59.9	70.6	60.7	59.7	59.7	59.5
23:00 - 00:00	59.8	69.5	60.6	60.3	59.6	59.4
00:00 - 01:00	59.6	65.3	60.2	60.0	59.5	59.2
01:00 - 02:00	59.3	69.5	59.8	59.7	59.2	59.0
02:00 - 03:00	59.3	65.1	59.8	59.6	59.2	59.0
03:00 - 04:00	59.4	67.7	59.8	59.7	59.2	59.0
04:00 - 05:00	59.7	64.5	60.3	60.1	59.6	59.3
05:00 - 06:00	60.0	72.1	60.9	60.4	59.7	59.4
06:00 - 07:00	60.5	87.9	61.6	61.0	60.1	59.6
07:00 - 08:00	60.5	72.1	61.5	61.1	60.3	59.9
08:00 - 09:00	61.2	82.2	63.6	62.7	60.3	59.8
09:00 - 10:00	60.7	81.1	62.0	61.2	60.4	59.9
24 Hours Measurement Standard	60.7	94.8	62.2	61.5	60.2	59.7
Ldn	66.4	115	-	-	-	-

Remark : // Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25, B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 19-20, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC278/2565

Interval Time	Noise Level, dBA					L90
	Leq	Lmax	L5	L10	L50	
10:00 - 11:00	60.6	79.1	61.5	61.1	60.3	59.9
11:00 - 12:00	60.6	75.0	61.9	61.5	60.3	59.7
12:00 - 13:00	61.3	82.8	62.7	62.2	61.0	60.3
13:00 - 14:00	61.7	76.8	63.8	62.9	61.2	60.3
14:00 - 15:00	60.8	81.4	62.2	61.5	60.2	59.6
15:00 - 16:00	60.1	67.7	61.1	60.7	59.9	59.3
16:00 - 17:00	61.0	83.0	62.6	61.7	60.4	59.9
17:00 - 18:00	61.3	86.5	63.7	62.6	60.4	59.8
18:00 - 19:00	63.0	84.6	65.7	64.1	61.7	60.8
19:00 - 20:00	62.6	88.0	64.6	63.8	61.7	60.6
20:00 - 21:00	61.8	76.1	63.9	63.2	61.4	60.2
21:00 - 22:00	62.7	78.0	62.7	62.0	60.5	59.7
22:00 - 23:00	59.8	66.4	60.4	60.2	59.6	59.4
23:00 - 00:00	59.9	75.0	60.7	60.4	59.2	58.9
00:00 - 01:00	59.4	68.5	60.1	59.8	59.2	58.9
01:00 - 02:00	59.2	65.7	59.8	59.6	59.1	58.8
02:00 - 03:00	59.2	66.8	59.8	59.6	59.1	58.8
03:00 - 04:00	59.4	65.5	59.9	59.7	59.3	59.0
04:00 - 05:00	59.9	71.8	60.7	60.3	59.7	59.4
05:00 - 06:00	59.9	67.3	60.9	60.4	59.7	59.3
06:00 - 07:00	60.6	73.8	61.9	61.4	60.3	59.6
07:00 - 08:00	60.2	72.9	61.2	60.8	60.0	59.6
08:00 - 09:00	61.1	77.4	63.3	62.4	60.3	59.8
09:00 - 10:00	61.0	79.0	62.9	61.8	60.5	60.0
24 Hours Measurement Standard	60.8	88.0	62.3	61.6	60.3	59.7
Ldn	66.4	115	-	-	-	-

Remark : // Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25, B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsohong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 20-21, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC278/2565

Interval Time	Noise Level, dBA				
	Leq	Lmax	L5	L10	L90
10:00 - 11:00	60.6	81.0	61.6	61.4	59.8
11:00 - 12:00	60.9	67.1	62.2	61.7	60.1
12:00 - 13:00	60.4	73.4	61.1	60.9	59.9
13:00 - 14:00	60.4	71.5	61.2	60.9	59.8
14:00 - 15:00	60.9	80.9	62.1	61.5	59.9
15:00 - 16:00	60.8	74.8	61.7	61.4	60.2
16:00 - 17:00	61.2	74.2	62.7	62.1	59.9
17:00 - 18:00	60.7	78.4	63.0	61.5	59.6
18:00 - 19:00	60.6	76.5	61.7	60.9	60.2
19:00 - 20:00	60.3	73.7	60.8	60.6	60.1
20:00 - 21:00	59.9	73.1	60.8	60.2	59.4
21:00 - 22:00	59.7	65.4	60.3	60.1	59.6
22:00 - 23:00	59.7	71.3	60.4	60.1	59.2
23:00 - 00:00	59.4	71.3	59.9	59.8	59.0
00:00 - 01:00	59.1	66.5	59.6	59.4	58.7
01:00 - 02:00	59.0	68.2	59.7	58.8	59.4
02:00 - 03:00	59.0	66.8	59.4	59.3	58.6
03:00 - 04:00	59.1	61.9	59.5	59.4	58.7
04:00 - 05:00	59.4	67.6	60.2	59.9	59.0
05:00 - 06:00	59.7	72.6	61.2	60.5	59.1
06:00 - 07:00	59.6	78.3	60.4	60.0	59.1
07:00 - 08:00	60.5	69.5	61.6	61.3	59.8
08:00 - 09:00	60.3	77.3	60.9	60.6	59.7
09:00 - 10:00	60.8	89.3	62.1	61.5	59.6
24 Hours Measurement	60.1	89.3	61.1	60.7	59.5
Standard ^{1/}	70	115	-	-	-
Ldn	65.9	-	-	-	-

Remark : 1/ Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25, B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsohong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 21-22, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC278/2565

Interval Time	Noise Level, dBA				
	Leq	Lmax	L5	L10	L90
10:00 - 11:00	61.0	81.0	62.9	61.9	59.6
11:00 - 12:00	62.0	87.4	63.9	62.5	59.5
12:00 - 13:00	59.6	81.4	60.5	60.2	58.9
13:00 - 14:00	60.4	75.7	61.5	61.0	59.4
14:00 - 15:00	59.6	72.8	60.6	60.2	58.9
15:00 - 16:00	60.1	75.2	61.5	60.8	59.2
16:00 - 17:00	59.8	74.5	61.1	60.7	59.2
17:00 - 18:00	59.8	73.5	61.8	60.7	59.4
18:00 - 19:00	60.2	68.5	60.9	60.6	60.0
19:00 - 20:00	59.6	66.5	60.2	60.2	59.5
20:00 - 21:00	59.7	74.9	60.3	60.1	59.2
21:00 - 22:00	59.4	69.3	60.0	59.8	59.3
22:00 - 23:00	59.2	65.8	59.7	59.6	59.0
23:00 - 00:00	59.4	75.9	60.3	59.9	58.8
00:00 - 01:00	60.7	80.5	62.2	61.8	59.6
01:00 - 02:00	59.5	78.2	60.6	59.9	59.2
02:00 - 03:00	59.1	66.1	59.8	59.5	58.7
03:00 - 04:00	59.3	67.2	59.9	59.7	58.8
04:00 - 05:00	59.5	74.2	60.2	59.9	59.3
05:00 - 06:00	59.9	75.4	61.8	61.0	59.1
06:00 - 07:00	59.5	69.4	60.4	60.0	59.0
07:00 - 08:00	59.9	73.1	61.1	60.5	59.1
08:00 - 09:00	59.5	70.7	60.6	60.1	58.8
09:00 - 10:00	59.9	80.9	61.9	61.2	59.4
24 Hours Measurement	59.9	87.4	61.1	60.6	59.5
Standard ^{1/}	70	115	-	-	-
Ldn	66.1	-	-	-	-

Remark : 1/ Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25, B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 22-23, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC278/2565

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
10:00 - 11:00	59.0	64.9	59.7	59.5	58.9	58.5
11:00 - 12:00	60.1	73.4	61.7	61.1	59.7	59.1
12:00 - 13:00	59.8	68.1	61.0	60.5	59.6	59.1
13:00 - 14:00	59.7	60.7	60.7	60.3	59.4	59.0
14:00 - 15:00	59.4	73.4	60.4	60.0	59.2	58.7
15:00 - 16:00	60.8	95.9	63.3	61.2	59.1	58.6
16:00 - 17:00	59.5	66.2	60.6	60.2	59.4	58.8
17:00 - 18:00	59.8	71.3	60.9	60.4	59.6	59.1
18:00 - 19:00	61.2	72.4	63.0	62.4	60.9	59.8
19:00 - 20:00	60.4	81.0	61.8	61.3	60.2	60.2
20:00 - 21:00	60.3	78.7	61.4	60.8	60.0	59.5
21:00 - 22:00	59.7	72.5	60.7	60.2	59.4	59.1
22:00 - 23:00	59.5	64.0	59.5	59.4	59.4	59.1
23:00 - 00:00	59.5	63.9	60.1	59.3	59.4	59.1
00:00 - 01:00	59.3	66.2	59.6	59.6	59.2	58.9
01:00 - 02:00	59.2	62.5	59.6	59.5	59.0	58.8
02:00 - 03:00	59.1	60.8	59.5	59.4	59.0	58.8
03:00 - 04:00	59.4	64.1	59.9	59.7	59.3	59.0
04:00 - 05:00	59.6	64.2	60.1	59.9	59.5	59.2
05:00 - 06:00	60.2	69.6	61.5	60.8	59.9	59.5
06:00 - 07:00	60.0	80.6	60.9	60.5	59.8	59.5
07:00 - 08:00	59.9	70.5	60.8	60.5	59.8	59.4
08:00 - 09:00	60.0	77.7	61.0	60.6	59.8	59.4
09:00 - 10:00	61.3	86.3	62.5	61.8	59.9	59.4
24 Hours Measurement	59.9	95.9	61.0	60.5	59.6	59.1
Standard/ Ldn	70	115	-	-	-	-

Remark : // Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25, B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGO Tower, Vibhavadi Rangsit Road, Tungsonghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 23-24, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC278/2565

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
10:00 - 11:00	60.0	70.7	61.5	61.2	59.5	59.0
11:00 - 12:00	59.8	73.5	60.9	60.4	59.5	59.1
12:00 - 13:00	59.2	67.9	60.3	59.9	59.0	58.5
13:00 - 14:00	60.2	70.1	61.9	61.3	59.8	59.2
14:00 - 15:00	60.1	75.8	62.0	61.3	59.6	58.9
15:00 - 16:00	59.9	73.7	61.2	60.5	59.6	59.0
16:00 - 17:00	62.0	90.5	63.0	62.7	61.2	60.7
17:00 - 18:00	59.1	71.2	60.1	59.7	59.0	58.6
18:00 - 19:00	59.9	71.1	60.9	60.5	59.7	59.4
19:00 - 20:00	60.0	64.2	60.6	60.4	59.9	59.6
20:00 - 21:00	60.0	81.9	60.8	60.4	59.6	59.3
21:00 - 22:00	59.5	63.7	60.0	59.9	59.4	59.2
22:00 - 23:00	59.3	63.5	59.9	59.7	59.2	59.0
23:00 - 00:00	59.3	62.8	59.9	59.7	59.2	58.9
00:00 - 01:00	59.2	63.2	59.7	59.6	59.1	58.9
01:00 - 02:00	59.1	63.7	59.6	59.5	59.0	58.8
02:00 - 03:00	59.2	62.2	59.6	59.5	59.1	58.8
03:00 - 04:00	59.4	63.4	59.9	59.8	59.3	59.0
04:00 - 05:00	59.8	65.7	60.4	60.1	59.6	59.4
05:00 - 06:00	60.3	76.4	61.7	61.1	60.0	59.6
06:00 - 07:00	60.1	78.7	60.9	60.6	60.0	59.6
07:00 - 08:00	60.7	75.0	61.7	61.3	60.5	60.2
08:00 - 09:00	60.6	75.8	61.9	61.4	60.3	59.7
09:00 - 10:00	60.3	77.7	61.4	60.9	60.0	59.5
24 Hours Measurement	59.9	90.5	60.9	60.5	59.7	59.3
Standard/ Ldn	70	115	-	-	-	-

Remark : // Notification of the Ministry of Industry E.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 11D dated January 25, B.E.2549 (2006).

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 24-25, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC2782565

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
10:00 - 11:00	60.3	79.8	62.1	61.4	59.1
11:00 - 12:00	60.1	85.9	61.0	60.6	59.4
12:00 - 13:00	61.0	72.0	62.7	62.1	60.7
13:00 - 14:00	60.8	79.9	62.8	62.0	59.8
14:00 - 15:00	59.5	82.7	60.2	59.9	59.1
15:00 - 16:00	59.0	73.4	60.1	59.7	58.8
16:00 - 17:00	59.8	69.8	61.1	60.6	59.0
17:00 - 18:00	60.3	72.7	61.5	61.1	59.4
18:00 - 19:00	61.6	77.2	63.6	61.2	60.3
19:00 - 20:00	60.5	72.4	62.2	61.7	60.2
20:00 - 21:00	61.8	77.0	64.2	63.4	61.2
21:00 - 22:00	64.0	75.5	64.0	63.2	59.9
22:00 - 23:00	59.1	64.2	59.6	59.4	59.2
23:00 - 00:00	59.1	65.1	59.6	59.7	58.7
00:00 - 01:00	59.0	64.1	59.4	59.3	58.9
01:00 - 02:00	59.0	65.5	59.4	59.3	58.7
02:00 - 03:00	59.1	61.6	59.5	59.4	58.7
03:00 - 04:00	59.1	63.2	59.5	59.4	59.0
04:00 - 05:00	59.3	66.4	59.9	59.7	59.0
05:00 - 06:00	59.7	71.2	60.7	60.4	59.1
06:00 - 07:00	61.0	87.9	63.4	62.6	59.3
07:00 - 08:00	59.7	76.8	60.5	60.2	59.5
08:00 - 09:00	60.0	75.1	62.1	60.9	58.9
09:00 - 10:00	59.9	77.0	61.5	60.6	59.5
24 Hours Measurement	60.1	87.9	61.6	61.0	59.2
Standard ^{1/}	70	115	-	-	-
Ldn	66.0	-	-	-	-

Remark : ^{1/} Notification of the Ministry of Industry B.E.2548 (2005), issued under Factory Act B.E.2535 (1992), published in the Royal Government Gazette No.123 Special Part 1 1D dated January 26, B.E.2549 (2006).

Laboratory Reviewer

Laboratory Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,
Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS. Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 18, 2022
Measured By : Mr.Nitad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
10:00-10:05	68.2	59.7	13:00-13:05	62.4	60.4	16:00-16:05	59.8	59.2	19:00-19:05	61.6	60.7
10:05-10:10	60.5	59.6	13:05-13:10	63.3	60.2	16:05-16:10	59.8	58.9	19:05-19:10	61.6	60.7
10:10-10:15	60.0	59.6	13:10-13:15	62.2	59.8	16:10-16:15	59.9	59.1	19:10-19:15	61.7	60.7
10:15-10:20	60.0	59.5	13:15-13:20	61.1	59.8	16:15-16:20	60.5	59.3	19:15-19:20	61.2	60.3
10:20-10:25	60.0	59.6	13:20-13:25	61.0	59.8	16:20-16:25	61.3	59.3	19:20-19:25	62.1	60.6
10:25-10:30	59.8	59.4	13:25-13:30	60.8	59.6	16:25-16:30	61.9	59.4	19:25-19:30	62.1	60.0
10:30-10:35	60.0	59.5	13:30-13:35	61.7	60.1	16:30-16:35	62.4	60.3	19:30-19:35	60.9	59.8
10:35-10:40	59.8	59.5	13:35-13:40	60.5	59.6	16:35-16:40	60.9	59.6	19:35-19:40	61.2	60.2
10:40-10:45	59.8	59.4	13:40-13:45	60.4	59.8	16:40-16:45	61.0	59.5	19:40-19:45	61.2	59.8
10:45-10:50	59.8	59.4	13:45-13:50	60.7	60.0	16:45-16:50	60.8	59.6	19:45-19:50	61.2	59.9
10:50-10:55	60.9	59.2	13:50-13:55	61.2	60.5	16:50-16:55	60.9	59.6	19:50-19:55	60.3	59.5
10:55-11:00	65.2	60.1	13:55-14:00	61.4	60.8	16:55-17:00	61.0	59.8	19:50-19:55	60.9	60.1
11:00-11:05	59.8	59.3	14:00-14:05	61.3	60.3	17:00-17:05	61.1	60.0	20:00-20:05	61.3	60.9
11:05-11:10	59.0	59.2	14:05-14:10	61.1	60.2	17:05-17:10	60.6	59.7	20:05-20:10	60.7	59.9
11:10-11:15	60.0	59.5	14:10-14:15	64.7	60.9	17:10-17:15	61.8	60.2	20:10-20:15	61.0	59.6
11:15-11:20	61.6	59.6	14:15-14:20	62.1	61.0	17:15-17:20	61.5	60.2	20:15-20:20	59.6	59.3
11:20-11:25	59.9	59.5	14:20-14:25	61.4	60.5	17:20-17:25	60.7	59.8	20:20-20:25	59.8	59.3
11:25-11:30	60.3	59.6	14:25-14:30	60.9	60.3	17:25-17:30	61.2	59.9	20:25-20:30	59.7	59.3
11:30-11:35	60.4	59.5	14:30-14:35	62.1	60.2	17:30-17:35	62.0	60.2	20:30-20:35	59.7	59.3
11:35-11:40	60.2	59.5	14:35-14:40	60.4	60.0	17:35-17:40	63.4	60.9	20:35-20:40	61.3	59.5
11:40-11:45	60.7	59.4	14:40-14:45	60.1	59.7	17:40-17:45	62.9	61.6	20:40-20:45	59.8	59.4
11:45-11:50	59.9	59.3	14:45-14:50	60.2	59.8	17:45-17:50	63.0	61.1	20:45-20:50	59.9	59.5
11:50-11:55	60.7	59.4	14:50-14:55	60.8	59.9	17:50-17:55	64.9	63.1	20:50-20:55	59.9	59.5
11:55-12:00	60.4	59.7	14:55-15:00	61.4	59.7	17:55-18:00	63.9	61.4	20:55-21:00	59.8	59.5
12:00-12:05	60.7	60.0	15:00-15:05	60.9	59.6	18:00-18:05	62.2	60.2	21:00-21:05	59.8	59.5
12:05-12:10	60.6	59.9	15:05-15:10	59.8	59.4	18:05-18:10	61.7	59.8	21:05-21:10	59.8	59.5
12:10-12:15	60.3	59.7	15:10-15:15	59.9	59.5	18:10-18:15	61.0	59.9	21:10-21:15	59.9	59.5
12:15-12:20	60.5	59.8	15:15-15:20	60.1	59.8	18:15-18:20	61.4	60.3	21:15-21:20	59.9	59.6
12:20-12:25	60.9	60.0	15:20-15:25	60.0	59.4	18:20-18:25	60.6	59.8	21:20-21:25	60.0	59.7
12:25-12:30	60.7	59.9	15:25-15:30	60.1	59.3	18:25-18:30	61.9	60.3	21:25-21:30	60.1	59.7
12:30-12:35	61.0	60.1	15:30-15:35	59.9	59.5	18:30-18:35	62.0	61.0	21:30-21:35	59.8	59.5
12:35-12:40	61.1	60.2	15:35-15:40	60.0	59.4	18:35-18:40	61.7	60.7	21:35-21:40	60.0	59.7
12:40-12:45	61.3	60.1	15:40-15:45	59.9	59.4	18:40-18:45	62.2	61.3	21:40-21:45	60.0	59.6
12:45-12:50	61.9	60.5	15:45-15:50	61.1	59.7	18:45-18:50	62.6	61.6	21:45-21:50	59.7	59.4
12:50-12:55	62.5	60.7	15:50-15:55	60.4	59.6	18:50-18:55	62.1	61.3	21:50-21:55	59.8	59.5
12:55-13:00	62.1	60.3	15:55-16:00	59.8	59.3	18:55-19:00	62.2	61.1	21:55-22:00	59.9	59.6

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Poyester (Thailand) Co.,Ltd.,

Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 18-19, 2022
Measured By : Mr.Nilad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
22:00-22:05	60.8	59.6	01:00-01:05	59.5	59.1	04:00-04:05	59.6	59.2	07:00-07:05	60.0	59.6
22:05-22:10	60.8	59.5	01:05-01:10	59.4	59.1	04:05-04:10	59.6	59.2	07:05-07:10	60.3	59.6
22:10-22:15	59.7	59.4	01:10-01:15	59.4	59.0	04:10-04:15	59.5	59.2	07:10-07:15	60.2	59.7
22:15-22:20	60.0	59.4	01:15-01:20	59.4	59.1	04:15-04:20	59.6	59.2	07:15-07:20	60.5	59.7
22:20-22:25	60.0	59.5	01:20-01:25	59.2	58.9	04:20-04:25	59.6	59.2	07:20-07:25	60.3	59.8
22:25-22:30	59.8	59.4	01:25-01:30	59.3	58.9	04:25-04:30	59.7	59.4	07:25-07:30	60.3	59.9
22:30-22:35	59.8	59.5	01:30-01:35	59.2	58.9	04:30-04:35	59.6	59.2	07:30-07:35	60.5	59.9
22:35-22:40	59.8	59.4	01:35-01:40	59.3	59.0	04:35-04:40	59.7	59.4	07:35-07:40	60.8	60.1
22:40-22:45	59.7	59.4	01:40-01:45	59.3	58.9	04:40-04:45	59.7	59.3	07:40-07:45	60.6	60.0
22:45-22:50	59.7	59.4	01:45-01:50	59.3	59.0	04:45-04:50	59.9	59.4	07:45-07:50	60.6	59.9
22:50-22:55	59.8	59.5	01:50-01:55	59.4	59.0	04:50-04:55	59.9	59.5	07:50-07:55	60.8	60.1
22:55-23:00	59.9	59.5	01:55-02:00	59.3	59.0	04:55-05:00	59.9	59.4	07:55-08:00	61.0	60.0
23:00-23:05	60.0	59.5	02:00-02:05	59.4	59.0	05:00-05:05	60.3	59.6	08:00-08:05	60.1	59.8
23:05-23:10	59.9	59.5	02:05-02:10	59.4	59.0	05:05-05:10	59.9	59.5	08:05-08:10	60.5	59.9
23:10-23:15	59.8	59.4	02:10-02:15	59.3	59.0	05:10-05:15	59.9	59.4	08:10-08:15	60.2	59.7
23:15-23:20	59.7	59.4	02:15-02:20	59.4	59.1	05:15-05:20	60.4	59.4	08:15-08:20	60.3	59.7
23:20-23:25	60.6	59.5	02:20-02:25	59.4	59.0	05:20-05:25	60.0	59.5	08:20-08:25	60.2	59.6
23:25-23:30	59.9	59.6	02:25-02:30	59.3	59.0	05:25-05:30	59.9	59.4	08:25-08:30	60.3	59.8
23:30-23:35	59.8	59.4	02:30-02:35	59.2	58.9	05:30-05:35	59.8	59.4	08:30-08:35	61.1	59.9
23:35-23:40	59.7	59.3	02:35-02:40	59.2	58.9	05:35-05:40	59.9	59.3	08:35-08:40	64.4	59.6
23:40-23:45	59.7	59.3	02:40-02:45	59.2	58.8	05:40-05:45	59.8	59.3	08:40-08:45	62.5	59.8
23:45-23:50	59.6	59.2	02:45-02:50	59.3	59.0	05:45-05:50	60.2	59.6	08:45-08:50	60.5	59.7
23:50-23:55	59.6	59.3	02:50-02:55	59.3	59.0	05:50-05:55	59.9	59.4	08:50-08:55	61.0	59.8
23:55-00:00	59.6	59.2	02:55-03:00	59.3	59.0	05:55-06:00	59.7	59.4	08:55-09:00	61.1	60.0
00:00-00:05	59.7	59.3	03:00-03:05	59.3	58.9	06:00-06:05	59.9	59.4	09:00-09:05	60.3	59.8
00:05-00:10	59.8	59.4	03:05-03:10	59.3	59.0	06:05-06:10	59.8	59.4	09:05-09:10	60.3	59.8
00:10-00:15	59.6	59.3	03:10-03:15	59.3	58.9	06:10-06:15	60.0	59.4	09:10-09:15	60.4	59.7
00:15-00:20	59.8	59.3	03:15-03:20	59.2	58.9	06:15-06:20	61.4	59.4	09:15-09:20	60.9	59.7
00:20-00:25	59.9	59.3	03:20-03:25	59.2	58.9	06:20-06:25	59.8	59.3	09:20-09:25	60.7	59.9
00:25-00:30	59.7	59.2	03:25-03:30	59.4	59.0	06:25-06:30	59.9	59.5	09:25-09:30	62.1	60.0
00:30-00:35	59.4	59.1	03:30-03:35	59.4	59.1	06:30-06:35	60.0	59.5	09:30-09:35	60.9	60.2
00:35-00:40	59.5	59.2	03:35-03:40	59.2	58.9	06:35-06:40	62.1	59.9	09:35-09:40	61.2	60.4
00:40-00:45	59.5	59.2	03:40-03:45	59.5	59.1	06:40-06:45	62.0	60.3	09:40-09:45	60.7	59.9
00:45-00:50	59.5	59.1	03:45-03:50	59.4	59.1	06:45-06:50	60.6	59.6	09:45-09:50	60.3	59.8
00:50-00:55	59.5	59.1	03:50-03:55	59.4	59.0	06:50-06:55	60.0	59.5	09:50-09:55	60.3	59.8
00:55-01:00	59.5	59.1	03:55-04:00	59.7	59.2	06:55-07:00	59.9	59.4	09:55-10:00	60.4	59.8

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,

Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 19, 2022
Measured By : Mr.Nilad Sirichad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
10:00-10:05	60.4	59.8	13:00-13:05	61.6	60.1	16:00-16:05	60.0	59.5	19:00-19:05	62.7	61.0
10:05-10:10	60.5	59.8	13:05-13:10	62.0	60.4	16:05-16:10	60.2	59.5	19:05-19:10	63.3	61.3
10:10-10:15	60.3	59.8	13:10-13:15	61.9	60.5	16:10-16:15	60.3	59.6	19:10-19:15	62.5	60.8
10:15-10:20	60.4	60.0	13:15-13:20	61.8	60.2	16:15-16:20	59.9	59.6	19:15-19:20	62.7	60.7
10:20-10:25	60.7	60.0	13:20-13:25	61.6	60.2	16:20-16:25	60.2	59.7	19:20-19:25	61.8	60.7
10:25-10:30	61.9	60.2	13:25-13:30	61.7	60.2	16:25-16:30	60.4	59.9	19:25-19:30	61.6	60.5
10:30-10:35	60.9	59.9	13:30-13:35	61.9	59.9	16:30-16:35	60.1	59.6	19:30-19:35	62.1	60.3
10:35-10:40	60.3	59.8	13:35-13:40	60.1	59.5	16:35-16:40	60.8	59.8	19:35-19:40	65.0	60.5
10:40-10:45	60.4	59.9	13:40-13:45	60.7	59.7	16:40-16:45	61.1	59.9	19:40-19:45	61.6	60.4
10:45-10:50	60.3	59.9	13:45-13:50	62.5	60.9	16:45-16:50	61.8	60.3	19:45-19:50	62.4	60.1
10:50-10:55	60.4	59.9	13:50-13:55	61.9	61.0	16:50-16:55	62.8	60.8	19:50-19:55	62.6	60.9
10:55-11:00	60.5	60.0	13:55-14:00	62.0	60.7	16:55-17:00	62.8	60.6	19:55-20:00	61.5	60.3
11:00-11:05	60.8	60.0	14:00-14:05	61.4	60.2	17:00-17:05	61.0	59.8	20:00-20:05	61.2	59.7
11:05-11:10	61.1	60.1	14:05-14:10	61.0	59.9	17:05-17:10	61.7	60.0	20:05-20:10	62.1	61.1
11:10-11:15	60.4	59.9	14:10-14:15	61.9	60.2	17:10-17:15	61.5	59.8	20:10-20:15	62.5	60.9
11:15-11:20	60.6	59.9	14:15-14:20	60.3	59.4	17:15-17:20	61.4	59.7	20:15-20:20	61.5	59.9
11:20-11:25	61.0	60.1	14:20-14:25	59.4	59.1	17:20-17:25	60.7	59.6	20:20-20:25	61.6	59.9
11:25-11:30	61.6	59.9	14:25-14:30	59.9	59.3	17:25-17:30	60.1	59.4	20:25-20:30	62.2	59.8
11:30-11:35	60.1	59.4	14:30-14:35	59.9	59.5	17:30-17:35	62.9	59.6	20:30-20:35	62.1	59.9
11:35-11:40	60.2	59.5	14:35-14:40	60.1	59.4	17:35-17:40	60.5	59.6	20:35-20:40	62.5	60.4
11:40-11:45	59.8	59.3	14:40-14:45	62.1	59.6	17:40-17:45	60.4	59.6	20:40-20:45	61.6	60.2
11:45-11:50	60.7	59.5	14:45-14:50	60.9	59.5	17:45-17:50	60.8	59.9	20:45-20:50	61.6	60.2
11:50-11:55	60.1	59.6	14:50-14:55	60.1	59.6	17:50-17:55	60.9	60.2	20:50-20:55	61.1	60.0
11:55-12:00	60.3	59.5	14:55-15:00	61.3	59.7	17:55-18:00	64.2	60.0	20:55-21:00	61.3	60.1
12:00-12:05	60.4	59.9	15:00-15:05	60.5	59.8	18:00-18:05	60.8	60.1	21:00-21:05	61.2	59.9
12:05-12:10	60.6	60.0	15:05-15:10	59.9	59.5	18:05-18:10	60.9	60.2	21:05-21:10	61.6	59.9
12:10-12:15	61.1	60.1	15:10-15:15	60.0	59.5	18:10-18:15	60.7	59.9	21:10-21:15	61.5	59.9
12:15-12:20	61.9	60.3	15:15-15:20	60.0	59.5	18:15-18:20	62.7	60.1	21:15-21:20	61.1	59.9
12:20-12:25	61.5	60.3	15:20-15:25	59.7	59.3	18:20-18:25	62.4	60.3	21:20-21:25	61.4	60.0
12:25-12:30	61.3	60.5	15:25-15:30	60.4	59.5	18:25-18:30	61.6	60.2	21:25-21:30	60.5	59.5
12:30-12:35	61.2	60.3	15:30-15:35	60.1	59.3	18:30-18:35	65.4	60.6	21:30-21:35	61.0	59.6
12:35-12:40	62.7	60.3	15:35-15:40	59.9	59.3	18:35-18:40	63.2	61.2	21:35-21:40	60.4	59.6
12:40-12:45	60.9	60.0	15:40-15:45	60.5	59.7	18:40-18:45	62.7	61.3	21:40-21:45	61.1	60.2
12:45-12:50	61.4	60.4	15:45-15:50	59.9	59.4	18:45-18:50	62.7	61.6	21:45-21:50	61.3	59.4
12:50-12:55	60.9	60.0	15:50-15:55	60.0	59.5	18:50-18:55	62.8	61.7	21:50-21:55	59.9	59.9
12:55-13:00	61.6	60.4	15:55-16:00	59.9	59.6	18:55-19:00	65.9	62.0	21:55-22:00	60.4	59.4

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Poyester (Thailand) Co.,Ltd.,

Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 19-20, 2022
Measured By : Mr.Nilad Sirshad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq
22:00-22:05	59.8	01:00-01:05	59.2	04:00-04:05	59.8	07:00-07:05	59.8
22:05-22:10	59.9	01:05-01:10	59.1	04:05-04:10	59.9	07:05-07:10	59.4
22:10-22:15	60.1	01:10-01:15	59.3	04:10-04:15	59.8	07:10-07:15	60.4
22:15-22:20	60.1	01:15-01:20	59.1	04:15-04:20	59.7	07:15-07:20	59.9
22:20-22:25	59.7	01:20-01:25	59.1	04:20-04:25	59.8	07:20-07:25	60.3
22:25-22:30	59.8	01:25-01:30	59.3	04:25-04:30	59.7	07:25-07:30	60.2
22:30-22:35	59.7	01:30-01:35	59.2	04:30-04:35	59.7	07:30-07:35	60.1
22:35-22:40	59.8	01:35-01:40	59.2	04:35-04:40	60.0	07:35-07:40	60.3
22:40-22:45	59.7	01:40-01:45	59.2	04:40-04:45	59.7	07:40-07:45	60.1
22:45-22:50	59.6	01:45-01:50	59.2	04:45-04:50	59.8	07:45-07:50	60.8
22:50-22:55	59.6	01:50-01:55	59.5	04:50-04:55	59.8	07:50-07:55	60.1
22:55-23:00	59.6	01:55-02:00	59.5	04:55-05:00	60.5	07:55-08:00	60.5
23:00-23:05	59.6	02:00-02:05	59.4	05:00-05:05	60.0	08:00-08:05	60.4
23:05-23:10	59.8	02:05-02:10	59.5	05:05-05:10	59.8	08:05-08:10	61.7
23:10-23:15	59.7	02:10-02:15	59.1	05:10-05:15	59.7	08:10-08:15	63.4
23:15-23:20	60.9	02:15-02:20	59.1	05:15-05:20	59.6	08:15-08:20	62.4
23:20-23:25	60.2	02:20-02:25	59.2	05:20-05:25	60.0	08:20-08:25	60.6
23:25-23:30	60.3	02:25-02:30	59.1	05:25-05:30	59.9	08:25-08:30	60.2
23:30-23:35	59.6	02:30-02:35	59.2	05:30-05:35	59.7	08:30-08:35	60.1
23:35-23:40	59.6	02:35-02:40	59.2	05:35-05:40	59.7	08:35-08:40	60.2
23:40-23:45	59.7	02:40-02:45	59.2	05:40-05:45	59.9	08:40-08:45	59.8
23:45-23:50	59.6	02:45-02:50	59.2	05:45-05:50	59.9	08:45-08:50	60.2
23:50-23:55	59.4	02:50-02:55	59.2	05:50-05:55	60.2	08:50-08:55	59.8
23:55-00:00	59.6	02:55-03:00	59.2	05:55-06:00	59.8	08:55-09:00	62.1
00:00-00:05	59.8	03:00-03:05	59.3	06:00-06:05	59.7	09:00-09:05	60.4
00:05-00:10	59.3	03:05-03:10	59.2	06:05-06:10	59.7	09:05-09:10	60.4
00:10-00:15	59.4	03:10-03:15	59.3	06:10-06:15	59.7	09:10-09:15	60.6
00:15-00:20	59.6	03:15-03:20	59.3	06:15-06:20	62.2	09:15-09:20	60.9
00:20-00:25	59.4	03:20-03:25	59.3	06:20-06:25	60.8	09:20-09:25	60.8
00:25-00:30	59.5	03:25-03:30	59.2	06:25-06:30	60.2	09:25-09:30	60.8
00:30-00:35	59.2	03:30-03:35	59.2	06:30-06:35	60.5	09:30-09:35	61.0
00:35-00:40	59.2	03:35-03:40	59.4	06:35-06:40	60.5	09:35-09:40	60.8
00:40-00:45	59.5	03:40-03:45	59.3	06:40-06:45	61.3	09:40-09:45	60.6
00:45-00:50	59.2	03:45-03:50	59.6	06:45-06:50	60.6	09:45-09:50	63.2
00:50-00:55	59.3	03:50-03:55	59.7	06:50-06:55	60.8	09:50-09:55	60.3
00:55-01:00	59.2	03:55-04:00	59.8	06:55-07:00	60.0	09:55-10:00	61.1

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,

Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
GPS, Coordinate : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date : May 20, 2022
Measured By : Mr.Nilad Sirshad
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq
10:00-10:05	62.4	13:00-13:05	60.4	16:00-16:05	60.9	19:00-19:05	60.8
10:05-10:10	60.5	13:05-13:10	60.4	16:05-16:10	60.7	19:05-19:10	60.7
10:10-10:15	60.1	13:10-13:15	60.4	16:10-16:15	63.7	19:10-19:15	60.8
10:15-10:20	59.7	13:15-13:20	60.6	16:15-16:20	63.7	19:15-19:20	60.3
10:20-10:25	60.0	13:20-13:25	60.3	16:20-16:25	60.4	19:20-19:25	60.1
10:25-10:30	61.2	13:25-13:30	60.1	16:25-16:30	60.5	19:25-19:30	59.8
10:30-10:35	60.5	13:30-13:35	60.3	16:30-16:35	60.1	19:30-19:35	60.0
10:35-10:40	61.1	13:35-13:40	60.4	16:35-16:40	60.1	19:35-19:40	60.0
10:40-10:45	60.0	13:40-13:45	60.8	16:40-16:45	60.0	19:40-19:45	59.9
10:45-10:50	60.2	13:45-13:50	60.4	16:45-16:50	61.2	19:45-19:50	59.8
10:50-10:55	60.4	13:50-13:55	60.0	16:50-16:55	60.4	19:50-19:55	60.7
10:55-11:00	60.7	13:55-14:00	60.2	16:55-17:00	60.3	19:55-20:00	59.9
11:00-11:05	60.4	14:00-14:05	60.3	17:00-17:05	60.7	20:00-20:05	60.4
11:05-11:10	60.4	14:05-14:10	60.2	17:05-17:10	60.6	20:05-20:10	60.0
11:10-11:15	60.7	14:10-14:15	61.1	17:10-17:15	59.8	20:10-20:15	60.0
11:15-11:20	61.0	14:15-14:20	60.7	17:15-17:20	60.0	20:15-20:20	59.9
11:20-11:25	61.0	14:20-14:25	60.6	17:20-17:25	60.1	20:20-20:25	60.0
11:25-11:30	60.9	14:25-14:30	63.8	17:25-17:30	61.0	20:25-20:30	59.8
11:30-11:35	60.9	14:30-14:35	60.5	17:30-17:35	60.2	20:30-20:35	59.8
11:35-11:40	60.4	14:35-14:40	60.5	17:35-17:40	60.5	20:35-20:40	59.6
11:40-11:45	61.7	14:40-14:45	60.5	17:40-17:45	62.3	20:40-20:45	59.6
11:45-11:50	60.7	14:45-14:50	60.2	17:45-17:50	61.4	20:45-20:50	60.6
11:50-11:55	60.4	14:50-14:55	60.3	17:50-17:55	60.9	20:50-20:55	59.7
11:55-12:00	61.7	14:55-15:00	60.7	17:55-18:00	60.7	20:55-21:00	59.6
12:00-12:05	60.6	15:00-15:05	60.8	18:00-18:05	61.1	21:00-21:05	59.8
12:05-12:10	60.8	15:05-15:10	60.5	18:05-18:10	60.5	21:05-21:10	59.7
12:10-12:15	60.2	15:10-15:15	60.8	18:10-18:15	60.0	21:10-21:15	59.6
12:15-12:20	60.2	15:15-15:20	61.4	18:15-18:20	61.3	21:15-21:20	59.6
12:20-12:25	60.1	15:20-15:25	61.1	18:20-18:25	60.3	21:20-21:25	59.7
12:25-12:30	60.2	15:25-15:30	61.1	18:25-18:30	59.9	21:25-21:30	59.6
12:30-12:35	60.5	15:30-15:35	61.1	18:30-18:35	60.3	21:30-21:35	59.7
12:35-12:40	60.2	15:35-15:40	60.7	18:35-18:40	60.3	21:35-21:40	59.8
12:40-12:45	60.6	15:40-15:45	60.3	18:40-18:45	60.5	21:40-21:45	59.7
12:45-12:50	60.1	15:45-15:50	60.6	18:45-18:50	61.0	21:45-21:50	59.8
12:50-12:55	60.3	15:50-15:55	60.9	18:50-18:55	60.8	21:50-21:55	59.7
12:55-13:00	60.7	15:55-16:00	60.5	18:55-19:00	60.2	21:55-22:00	59.8

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Poyester (Thailand) Co.,Ltd.,

GPS, Coordinate : Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured Date : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured By : May 20-21, 2022
Analyzed By : Mr.Nilad Sirichad
Measured Instrument : Environment Research & Technology Co., Ltd.
Reported Number : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448 : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
22:00-22:05	59.6	59.3	01:00-01:05	59.2	58.7	04:00-04:05	59.3	59.0	07:00-07:05	60.3	59.3
22:05-22:10	59.7	59.2	01:05-01:10	59.1	58.7	04:05-04:10	59.4	59.0	07:05-07:10	60.8	60.2
22:10-22:15	59.5	59.1	01:10-01:15	59.0	58.7	04:10-04:15	59.4	59.0	07:10-07:15	60.7	59.9
22:15-22:20	59.5	59.2	01:15-01:20	59.4	58.7	04:15-04:20	59.2	58.9	07:15-07:20	60.6	60.0
22:20-22:25	59.8	59.2	01:20-01:25	58.8	58.5	04:20-04:25	59.4	59.0	07:20-07:25	61.1	60.1
22:25-22:30	59.9	59.2	01:25-01:30	58.9	58.6	04:25-04:30	59.4	59.0	07:25-07:30	61.0	60.3
22:30-22:35	59.4	59.1	01:30-01:35	59.0	58.6	04:30-04:35	59.4	59.0	07:30-07:35	60.4	59.8
22:35-22:40	60.0	59.3	01:35-01:40	58.9	58.5	04:35-04:40	59.6	59.2	07:35-07:40	60.3	59.5
22:40-22:45	59.7	59.3	01:40-01:45	58.8	58.5	04:40-04:45	59.7	59.2	07:40-07:45	60.0	59.4
22:45-22:50	59.8	59.2	01:45-01:50	58.9	58.5	04:45-04:50	59.5	59.1	07:45-07:50	60.6	59.5
22:50-22:55	59.4	59.1	01:50-01:55	59.3	58.6	04:50-04:55	59.6	59.0	07:50-07:55	59.8	59.4
22:55-23:00	59.6	59.3	01:55-02:00	58.8	58.5	04:55-05:00	59.4	59.1	07:55-08:00	60.1	59.6
23:00-23:05	59.7	59.2	02:00-02:05	58.8	58.5	05:00-05:05	59.3	59.1	08:00-08:05	60.6	59.8
23:05-23:10	59.6	59.2	02:05-02:10	58.9	58.6	05:05-05:10	59.4	59.1	08:05-08:10	60.3	59.8
23:10-23:15	59.5	59.2	02:10-02:15	58.9	58.6	05:10-05:15	59.4	59.1	08:10-08:15	60.0	59.5
23:15-23:20	59.7	59.3	02:15-02:20	59.0	58.6	05:15-05:20	59.5	59.1	08:15-08:20	60.7	59.8
23:20-23:25	59.4	59.1	02:20-02:25	58.9	58.6	05:20-05:25	59.4	59.1	08:20-08:25	60.0	59.6
23:25-23:30	59.7	59.1	02:25-02:30	58.9	58.6	05:25-05:30	59.6	59.2	08:25-08:30	60.1	59.7
23:30-23:35	59.4	59.0	02:30-02:35	58.9	58.6	05:30-05:35	60.4	59.1	08:30-08:35	60.2	59.6
23:35-23:40	59.3	58.9	02:35-02:40	59.2	58.8	05:35-05:40	60.2	59.2	08:35-08:40	60.3	59.6
23:40-23:45	59.2	58.9	02:40-02:45	59.1	58.7	05:40-05:45	59.9	58.9	08:40-08:45	60.0	59.5
23:45-23:50	59.3	58.9	02:45-02:50	59.1	58.7	05:45-05:50	59.8	59.0	08:45-08:50	60.1	59.6
23:50-23:55	59.2	58.8	02:50-02:55	59.1	58.7	05:50-05:55	59.7	59.1	08:50-08:55	61.0	59.9
23:55-00:00	59.1	58.8	02:55-03:00	58.9	58.6	05:55-06:00	59.5	59.0	08:55-09:00	60.1	59.6
00:00-00:05	59.3	58.9	03:00-03:05	59.1	58.7	06:00-06:05	60.1	59.1	09:00-09:05	60.9	59.7
00:05-00:10	59.2	58.8	03:05-03:10	59.0	58.7	06:05-06:10	59.4	59.0	09:05-09:10	61.4	59.9
00:10-00:15	59.2	58.8	03:10-03:15	59.1	58.7	06:10-06:15	59.5	59.0	09:10-09:15	62.0	60.2
00:15-00:20	59.2	58.8	03:15-03:20	59.0	58.7	06:15-06:20	59.9	59.1	09:15-09:20	60.9	59.6
00:20-00:25	59.2	58.8	03:20-03:25	58.9	58.6	06:20-06:25	59.6	59.2	09:20-09:25	60.2	59.5
00:25-00:30	59.2	58.7	03:25-03:30	59.0	58.7	06:25-06:30	59.6	59.2	09:25-09:30	62.6	59.5
00:30-00:35	59.0	58.7	03:30-03:35	59.0	58.7	06:30-06:35	59.6	59.1	09:30-09:35	59.8	59.2
00:35-00:40	59.0	58.7	03:35-03:40	59.1	58.7	06:35-06:40	59.5	59.0	09:35-09:40	60.0	59.3
00:40-00:45	58.9	58.6	03:40-03:45	59.1	58.8	06:40-06:45	59.3	59.0	09:40-09:45	60.0	59.5
00:45-00:50	59.0	58.6	03:45-03:50	59.1	58.7	06:45-06:50	59.4	59.0	09:45-09:50	60.2	59.4
00:50-00:55	58.9	58.6	03:50-03:55	59.1	58.8	06:50-06:55	59.5	59.0	09:50-09:55	60.8	59.6
00:55-01:00	58.9	58.6	03:55-04:00	59.2	58.8	06:55-07:00	59.5	59.0	09:55-10:00	60.1	59.5

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,

GPS, Coordinate : Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured Date : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured By : May 21, 2022
Analyzed By : Mr.Nilad Sirichad
Measured Instrument : Environment Research & Technology Co., Ltd.
Reported Number : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448 : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
10:00-10:05	61.0	59.1	13:00-13:05	60.4	59.3	16:00-16:05	59.6	59.1	19:00-19:05	60.3	59.6
10:05-10:10	59.8	59.4	13:05-13:10	59.8	59.3	16:05-16:10	59.6	59.2	19:05-19:10	60.0	59.6
10:10-10:15	62.9	59.2	13:10-13:15	61.0	59.7	16:10-16:15	59.6	59.2	19:10-19:15	60.0	59.4
10:15-10:20	59.7	59.1	13:15-13:20	60.1	59.5	16:15-16:20	59.5	59.0	19:15-19:20	59.5	59.2
10:20-10:25	59.3	58.9	13:20-13:25	59.9	59.4	16:20-16:25	59.7	59.2	19:20-19:25	59.5	59.1
10:25-10:30	60.7	58.8	13:25-13:30	60.0	59.4	16:25-16:30	59.7	59.1	19:25-19:30	59.6	59.1
10:30-10:35	59.6	59.0	13:30-13:35	60.0	59.4	16:30-16:35	59.5	59.4	19:30-19:35	59.4	59.1
10:35-10:40	59.7	59.2	13:35-13:40	60.6	59.6	16:35-16:40	59.6	59.1	19:35-19:40	59.4	59.1
10:40-10:45	59.5	59.0	13:40-13:45	60.7	59.9	16:40-16:45	60.7	59.4	19:40-19:45	59.4	59.1
10:45-10:50	60.6	59.1	13:45-13:50	60.8	59.7	16:45-16:50	60.1	59.3	19:45-19:50	59.4	59.0
10:50-10:55	64.2	63.0	13:50-13:55	61.0	59.4	16:50-16:55	60.3	59.3	19:50-19:55	59.4	59.0
10:55-11:00	61.3	59.3	13:55-14:00	60.7	59.4	16:55-17:00	61.1	59.8	19:55-20:00	59.5	59.1
11:00-11:05	60.1	59.2	14:00-14:05	60.5	59.5	17:00-17:05	59.7	59.3	20:00-20:05	59.7	59.2
11:05-11:10	60.1	58.9	14:05-14:10	59.5	58.9	17:05-17:10	59.7	59.0	20:05-20:10	59.7	59.2
11:10-11:15	66.2	61.5	14:10-14:15	59.7	59.0	17:10-17:15	60.2	59.0	20:10-20:15	59.8	59.3
11:15-11:20	66.3	61.1	14:15-14:20	59.7	58.8	17:15-17:20	60.3	59.0	20:15-20:20	59.7	59.3
11:20-11:25	61.1	58.9	14:20-14:25	59.1	58.6	17:20-17:25	59.5	59.0	20:20-20:25	59.7	59.3
11:25-11:30	59.4	58.8	14:25-14:30	59.6	59.0	17:25-17:30	59.9	59.1	20:25-20:30	60.4	59.2
11:30-11:35	59.4	58.7	14:30-14:35	59.5	59.1	17:30-17:35	59.5	59.1	20:30-20:35	59.5	59.1
11:35-11:40	59.7	59.1	14:35-14:40	59.3	58.8	17:35-17:40	60.6	59.1	20:35-20:40	59.7	59.3
11:40-11:45	59.9	59.3	14:40-14:45	59.4	58.7	17:40-17:45	60.1	58.9	20:40-20:45	59.5	59.1
11:45-11:50	60.0	59.2	14:45-14:50	59.2	58.7	17:45-17:50	59.4	58.9	20:45-20:50	59.6	59.2
11:50-11:55	61.5	59.4	14:50-14:55	59.3	58.8	17:50-17:55	59.5	59.1	20:50-20:55	59.5	59.1
11:55-12:00	60.1	59.3	14:55-15:00	60.2	59.2	17:55-18:00	59.5	59.1	20:55-21:00	59.5	59.2
12:00-12:05	59.5	59.0	15:00-15:05	60.2	59.2	18:00-18:05	59.5	59.1	21:00-21:05	59.5	59.1
12:05-12:10	59.5	58.9	15:05-15:10	59.5	58.9	18:05-18:10	59.7	59.3	21:05-21:10	59.5	59.1
12:10-12:15	59.3	58.8	15:10-15:15	59.4	58.9	18:10-18:15	59.8	59.3	21:10-21:15	59.5	59.1
12:15-12:20	60.2	58.9	15:15-15:20	60.5	59.3	18:15-18:20	59.9	59.4	21:15-21:20	59.7	59.3
12:20-12:25	59.7	58.7	15:20-15:25	60.6	59.5	18:20-18:25	60.3	59.6	21:20-21:25	59.5	59.1
12:25-12:30	59.1	58.6	15:25-15:30	60.5	59.6	18:25-18:30	59.9	59.4	21:25-21:30	59.5	59.1
12:30-12:35	59.6	58.9	15:30-15:35	60.6	59.7	18:30-18:35	60.0	59.4	21:30-21:35	59.4	59.0
12:35-12:40	59.3	58.9	15:35-15:40	60.5	59.3	18:35-18:40	60.2	59.8	21:35-21:40	59.3	58.9
12:40-12:45	59.7	58.9	15:40-15:45	59.7	59.2	18:40-18:45	60.4	59.9	21:40-21:45	59.2	58.8
12:45-12:50	59.7	59.2	15:45-15:50	59.4	58.9	18:45-18:50	61.0	60.4	21:45-21:50	59.6	58.9
12:50-12:55	59.5	59.0	15:50-15:55	59.5	59.0	18:50-18:55	60.8	60.3	21:50-21:55	59.1	58.8
12:55-13:00	59.7	59.2	15:55-16:00	60.1	59.2	18:55-19:00	60.3	59.9	21:55-22:00	59.2	58.8

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Poyester (Thailand) Co.,Ltd.,

GPS, Coordinate : Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured Date : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured By : May 21-22, 2022
Analyzed By : Mr.Nilad Sirichad
Measured Instrument : Environment Research & Technology Co., Ltd.
Reported Number : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448 : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq
22:00-22:05	59.2	01:00-01:05	59.3	04:00-04:05	59.3	07:00-07:05	58.9
22:05-22:10	59.1	01:05-01:10	59.3	04:05-04:10	59.3	07:05-07:10	58.9
22:10-22:15	59.5	01:10-01:15	59.4	04:10-04:15	59.3	07:10-07:15	58.9
22:15-22:20	59.2	01:15-01:20	59.5	04:15-04:20	59.3	07:15-07:20	58.8
22:20-22:25	59.2	01:20-01:25	59.6	04:20-04:25	59.2	07:20-07:25	58.8
22:25-22:30	59.3	01:25-01:30	59.2	04:25-04:30	59.3	07:25-07:30	58.9
22:30-22:35	59.4	01:30-01:35	59.3	04:30-04:35	59.5	07:30-07:35	59.8
22:35-22:40	59.4	01:35-01:40	59.1	04:35-04:40	59.8	07:35-07:40	59.3
22:40-22:45	59.2	01:40-01:45	59.2	04:40-04:45	60.2	07:40-07:45	60.1
22:45-22:50	59.2	01:45-01:50	59.1	04:45-04:50	59.5	07:45-07:50	60.1
22:50-22:55	59.1	01:50-01:55	61.6	04:50-04:55	59.6	07:50-07:55	59.1
22:55-23:00	59.1	01:55-02:00	59.1	04:55-05:00	59.4	07:55-08:00	59.4
23:00-23:05	59.2	02:00-02:05	59.2	05:00-05:05	59.8	08:00-08:05	59.6
23:05-23:10	59.2	02:05-02:10	59.0	05:05-05:10	59.7	08:05-08:10	59.3
23:10-23:15	59.2	02:10-02:15	59.1	05:10-05:15	59.5	08:10-08:15	59.6
23:15-23:20	59.3	02:15-02:20	59.0	05:15-05:20	60.0	08:15-08:20	59.4
23:20-23:25	59.4	02:20-02:25	59.3	05:20-05:25	60.4	08:20-08:25	59.3
23:25-23:30	59.4	02:25-02:30	59.0	05:25-05:30	59.7	08:25-08:30	59.5
23:30-23:35	59.1	02:30-02:35	58.8	05:30-05:35	60.1	08:30-08:35	59.8
23:35-23:40	59.2	02:35-02:40	59.0	05:35-05:40	60.8	08:35-08:40	59.4
23:40-23:45	59.4	02:40-02:45	59.1	05:40-05:45	59.9	08:40-08:45	59.5
23:45-23:50	60.1	02:45-02:50	59.0	05:45-05:50	59.8	08:45-08:50	59.5
23:50-23:55	59.3	02:50-02:55	59.3	05:50-05:55	59.8	08:50-08:55	59.4
23:55-00:00	59.6	02:55-03:00	59.3	05:55-06:00	59.6	08:55-09:00	59.4
00:00-00:05	60.3	03:00-03:05	59.5	06:00-06:05	59.4	09:00-09:05	59.9
00:05-00:10	60.4	03:05-03:10	59.4	06:05-06:10	59.4	09:05-09:10	61.5
00:10-00:15	60.3	03:10-03:15	59.6	06:10-06:15	59.4	09:10-09:15	60.4
00:15-00:20	61.7	03:15-03:20	59.6	06:15-06:20	59.5	09:15-09:20	60.4
00:20-00:25	60.1	03:20-03:25	59.6	06:20-06:25	59.7	09:20-09:25	60.6
00:25-00:30	59.6	03:25-03:30	59.4	06:25-06:30	59.5	09:25-09:30	59.6
00:30-00:35	61.1	03:30-03:35	59.0	06:30-06:35	59.5	09:30-09:35	59.4
00:35-00:40	62.9	03:35-03:40	59.0	06:35-06:40	59.7	09:35-09:40	59.3
00:40-00:45	62.1	03:40-03:45	59.1	06:40-06:45	59.5	09:40-09:45	59.4
00:45-00:50	59.4	03:45-03:50	58.8	06:45-06:50	59.8	09:45-09:50	59.2
00:50-00:55	59.1	03:50-03:55	58.5	06:50-06:55	59.6	09:50-09:55	59.4
00:55-01:00	59.2	03:55-04:00	59.1	06:55-07:00	59.4	09:55-10:00	58.9

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,

GPS, Coordinate : Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured Date : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured By : May 22, 2022
Analyzed By : Mr.Nilad Sirichad
Measured Instrument : Environment Research & Technology Co., Ltd.
Reported Number : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448 : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq	Interval Time	Noise Level For 5 minutes, dB(A) Leq
10:00-10:05	59.2	13:00-13:05	59.1	16:00-16:05	59.5	19:00-19:05	58.8
10:05-10:10	59.4	13:05-13:10	59.3	16:05-16:10	59.2	19:05-19:10	60.8
10:10-10:15	58.9	13:10-13:15	59.7	16:10-16:15	59.5	19:10-19:15	59.9
10:15-10:20	58.9	13:15-13:20	59.6	16:15-16:20	59.5	19:15-19:20	60.2
10:20-10:25	59.0	13:20-13:25	59.6	16:20-16:25	59.4	19:20-19:25	60.1
10:25-10:30	59.1	13:25-13:30	59.0	16:25-16:30	59.3	19:25-19:30	60.1
10:30-10:35	58.8	13:30-13:35	60.2	16:30-16:35	59.3	19:30-19:35	61.0
10:35-10:40	59.0	13:35-13:40	60.0	16:35-16:40	59.5	19:35-19:40	60.3
10:40-10:45	58.8	13:40-13:45	60.0	16:40-16:45	60.1	19:40-19:45	60.4
10:45-10:50	58.8	13:45-13:50	60.2	16:45-16:50	59.7	19:45-19:50	60.4
10:50-10:55	59.0	13:50-13:55	59.4	16:50-16:55	59.7	19:50-19:55	60.3
10:55-11:00	59.1	13:55-14:00	60.1	16:55-17:00	59.7	19:55-20:00	60.7
11:00-11:05	59.5	14:00-14:05	59.5	17:00-17:05	59.8	20:00-20:05	61.1
11:05-11:10	59.9	14:05-14:10	59.5	17:05-17:10	60.4	20:05-20:10	60.4
11:10-11:15	60.8	14:10-14:15	59.2	17:10-17:15	60.0	20:10-20:15	60.5
11:15-11:20	61.4	14:15-14:20	59.3	17:15-17:20	59.8	20:15-20:20	60.8
11:20-11:25	60.1	14:20-14:25	59.9	17:20-17:25	60.0	20:20-20:25	60.3
11:25-11:30	59.6	14:25-14:30	59.6	17:25-17:30	59.7	20:25-20:30	60.4
11:30-11:35	60.9	14:30-14:35	59.6	17:30-17:35	59.8	20:30-20:35	60.1
11:35-11:40	59.5	14:35-14:40	59.7	17:35-17:40	59.8	20:35-20:40	60.2
11:40-11:45	59.3	14:40-14:45	59.3	17:40-17:45	59.4	20:40-20:45	60.4
11:45-11:50	59.6	14:45-14:50	59.2	17:45-17:50	59.7	20:45-20:50	60.9
11:50-11:55	60.2	14:50-14:55	58.8	17:50-17:55	59.3	20:50-20:55	59.3
11:55-12:00	59.6	14:55-15:00	58.7	17:55-18:00	59.7	20:55-21:00	59.3
12:00-12:05	59.8	15:00-15:05	58.7	18:00-18:05	60.0	21:00-21:05	59.2
12:05-12:10	59.9	15:05-15:10	58.9	18:05-18:10	60.5	21:05-21:10	59.2
12:10-12:15	59.8	15:10-15:15	58.9	18:10-18:15	61.0	21:10-21:15	59.6
12:15-12:20	59.5	15:15-15:20	59.3	18:15-18:20	60.9	21:15-21:20	59.4
12:20-12:25	59.9	15:20-15:25	65.7	18:20-18:25	61.0	21:20-21:25	59.7
12:25-12:30	59.7	15:25-15:30	59.1	18:25-18:30	61.2	21:25-21:30	59.7
12:30-12:35	59.8	15:30-15:35	63.0	18:30-18:35	62.3	21:30-21:35	59.9
12:35-12:40	59.1	15:35-15:40	61.1	18:35-18:40	61.3	21:35-21:40	59.5
12:40-12:45	60.1	15:40-15:45	59.2	18:40-18:45	61.7	21:40-21:45	59.6
12:45-12:50	59.8	15:45-15:50	59.5	18:45-18:50	61.6	21:45-21:50	59.4
12:50-12:55	59.8	15:50-15:55	59.1	18:50-18:55	61.4	21:50-21:55	59.4
12:55-13:00	59.5	15:55-16:00	59.3	18:55-19:00	61.2	21:55-22:00	59.4

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ANALYSIS REPORT

Customer Name	: Klong Luang Utilities Company Limited
Address	: 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsongkhong, Laksi, Bangkok 10210
Project Name	: Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location	: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source	: Ambient Noise
Measured Point	: Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co. Ltd., Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
GPS, Coordinate	: UTM (WGS84) 47P 0674272 E, 1550804 N
Measured Date	: May 22-23, 2022
Measured By	: Mr.Nitad Sirichad
Analyzed By	: Environment Research & Technology Co., Ltd.
Measured Instrument	: Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448
Reported Number	: NCC2712565

Interval Time	Noise Level For 5 minutes, dBA		Interval Time	Noise Level For 5 minutes, dBA		Interval Time	Noise Level For 5 minutes, dBA		Interval Time	Noise Level For 5 minutes, dBA	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
22:00-22:05	59.5	59.0	01:00-01:05	59.2	58.9	04:00-04:05	59.4	59.0	07:00-07:05	60.4	59.7
22:05-22:10	59.5	59.2	01:05-01:10	59.2	58.9	04:05-04:10	59.5	59.1	07:05-07:10	60.6	59.8
22:10-22:15	59.7	59.1	01:10-01:15	59.2	58.9	04:10-04:15	59.4	59.1	07:10-07:15	60.0	59.5
22:15-22:20	60.0	59.4	01:15-01:20	59.2	58.8	04:15-04:20	59.5	59.2	07:15-07:20	59.8	59.3
22:20-22:25	59.6	59.0	01:20-01:25	59.2	58.8	04:20-04:25	59.7	59.2	07:20-07:25	60.0	59.3
22:25-22:30	59.5	59.1	01:25-01:30	59.2	58.9	04:25-04:30	59.7	59.3	07:25-07:30	59.6	59.2
22:30-22:35	59.3	59.0	01:30-01:35	59.1	58.8	04:30-04:35	59.6	59.3	07:30-07:35	60.3	59.3
22:35-22:40	59.3	58.9	01:35-01:40	59.2	58.9	04:35-04:40	59.5	59.2	07:35-07:40	59.8	59.4
22:40-22:45	59.4	59.0	01:40-01:45	59.1	58.8	04:40-04:45	59.6	59.2	07:40-07:45	59.6	59.2
22:45-22:50	59.4	59.0	01:45-01:50	59.0	58.8	04:45-04:50	59.6	59.3	07:45-07:50	59.7	59.2
22:50-22:55	59.4	59.1	01:50-01:55	59.1	58.8	04:50-04:55	59.8	59.4	07:50-07:55	59.8	59.2
22:55-23:00	59.6	59.2	01:55-02:00	59.1	58.8	04:55-05:00	59.7	59.3	07:55-08:00	59.6	59.1
23:00-23:05	59.4	59.1	02:00-02:05	59.1	58.8	05:00-05:05	59.7	59.4	08:00-08:05	60.2	59.2
23:05-23:10	59.6	59.3	02:05-02:10	59.1	58.8	05:05-05:10	60.7	59.7	08:05-08:10	59.8	59.3
23:10-23:15	59.7	59.2	02:10-02:15	59.0	58.7	05:10-05:15	59.8	59.5	08:10-08:15	59.5	59.2
23:15-23:20	59.6	59.1	02:15-02:20	59.1	58.8	05:15-05:20	60.1	59.6	08:15-08:20	60.0	59.5
23:20-23:25	59.5	59.1	02:20-02:25	59.1	58.8	05:20-05:25	60.1	59.6	08:20-08:25	59.9	59.5
23:25-23:30	59.4	59.1	02:25-02:30	59.1	58.8	05:25-05:30	59.9	59.6	08:25-08:30	60.0	59.5
23:30-23:35	59.6	59.2	02:30-02:35	59.2	58.8	05:30-05:35	59.9	59.5	08:30-08:35	60.0	59.5
23:35-23:40	59.4	59.1	02:35-02:40	59.1	58.8	05:35-05:40	60.3	59.4	08:35-08:40	60.0	59.4
23:40-23:45	59.5	59.1	02:40-02:45	59.1	58.8	05:40-05:45	60.4	59.4	08:40-08:45	60.2	59.5
23:45-23:50	59.7	59.1	02:45-02:50	59.1	58.8	05:45-05:50	60.0	59.5	08:45-08:50	60.6	59.4
23:50-23:55	59.5	59.1	02:50-02:55	59.2	58.8	05:50-05:55	60.0	59.5	08:50-08:55	60.0	59.5
23:55-00:00	59.4	59.1	02:55-03:00	59.2	58.9	05:55-06:00	59.9	59.5	08:55-09:00	60.0	59.3
00:00-00:05	59.3	58.9	03:00-03:05	59.3	58.9	06:00-06:05	59.9	59.5	09:00-09:05	59.7	59.2
00:05-00:10	59.2	58.9	03:05-03:10	59.2	58.9	06:05-06:10	59.9	59.6	09:05-09:10	65.1	59.3
00:10-00:15	59.5	59.1	03:10-03:15	59.3	59.0	06:10-06:15	59.9	59.5	09:10-09:15	59.7	59.2
00:15-00:20	59.6	59.1	03:15-03:20	59.3	58.9	06:15-06:20	59.9	59.5	09:15-09:20	59.8	59.3
00:20-00:25	59.2	58.9	03:20-03:25	59.4	59.1	06:20-06:25	60.0	59.5	09:20-09:25	59.9	59.3
00:25-00:30	59.3	58.9	03:25-03:30	59.4	59.1	06:25-06:30	59.8	59.5	09:25-09:30	60.0	59.4
00:30-00:35	59.3	59.0	03:30-03:35	59.5	59.1	06:30-06:35	60.1	59.5	09:30-09:35	59.9	59.4
00:35-00:40	59.2	58.9	03:35-03:40	59.4	59.1	06:35-06:40	60.0	59.4	09:35-09:40	60.4	59.7
00:40-00:45	59.2	58.8	03:40-03:45	59.5	59.2	06:40-06:45	59.8	59.4	09:40-09:45	60.1	59.4
00:45-00:50	59.1	58.8	03:45-03:50	59.5	59.1	06:45-06:50	59.8	59.4	09:45-09:50	60.2	59.3
00:50-00:55	59.2	58.9	03:50-03:55	59.4	59.1	06:50-06:55	60.3	59.4	09:50-09:55	63.5	59.5
00:55-01:00	59.2	58.9	03:55-04:00	59.5	59.1	06:55-07:00	60.6	59.5	09:55-10:00	60.1	59.2

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ANALYSIS REPORT

Customer Name	: Klong Luang Utilities Company Limited
Address	: 222 ECO Tower, Vibhavadi Rangsit Road, Tungsohong, Laksi, Bangkok 10210
Project Name	: Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location	: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source	: Ambient Noise
Measured Point	: Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.
GPS, Coordinate	: Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured Date	: UTM (WGS84) 47P 0874272 E, 1550804 N
Measured By	: May 25, 2022
Analyzed By	: Mr.Nitid Sirichad
Measured Instrument	: Environment Research & Technology Co., Ltd.
Reported Number	: Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 06069448 : NCC2772565

Interval Time		Noise Level For 5 minutes, dB(A)		Interval Time		Noise Level For 5 minutes, dB(A)		Interval Time		Noise Level For 5 minutes, dB(A)		Noise Level For 5 minutes, dB(A)	
		Leq	L90			Leq	L90			Leq	L90		
10:00-10:05	59.7	59.1	13:00-13:05	59.2	58.7	16:00-16:05	59.4	58.9	19:00-19:05	59.2	58.8	22:00-22:05	59.1
10:05-10:10	59.8	58.7	13:05-13:10	59.8	59.0	16:05-16:10	59.6	59.1	19:05-19:10	60.4	59.9	22:05-22:10	59.2
10:10-10:15	59.0	58.5	13:10-13:15	60.5	59.4	16:10-16:15	61.9	59.2	19:10-19:15	60.1	59.7	22:10-22:15	59.5
10:15-10:20	59.8	58.8	13:15-13:20	60.3	59.4	16:15-16:20	67.0	63.3	19:15-19:20	60.0	59.6	22:15-22:20	59.6
10:20-10:25	59.6	59.2	13:20-13:25	60.2	59.4	16:20-16:25	62.6	61.8	19:20-19:25	60.0	59.6	22:20-22:25	59.3
10:25-10:30	59.6	59.1	13:25-13:30	60.1	59.2	16:25-16:30	62.1	61.6	19:25-19:30	59.9	59.6	22:25-22:30	59.3
10:30-10:35	61.1	59.1	13:30-13:35	59.9	59.1	16:30-16:35	61.6	61.1	19:30-19:35	59.8	59.4	22:30-22:35	59.1
10:35-10:40	62.1	59.3	13:35-13:40	59.9	59.0	16:35-16:40	61.6	61.1	19:35-19:40	59.9	59.4	22:35-22:40	59.2
10:40-10:45	59.7	59.4	13:40-13:45	60.3	59.2	16:40-16:45	61.4	60.9	19:40-19:45	59.8	59.4	22:40-22:45	59.2
10:45-10:50	59.4	58.9	13:45-13:50	60.7	59.2	16:45-16:50	61.4	60.8	19:45-19:50	59.8	59.4	22:45-22:50	59.2
10:50-10:55	59.9	59.1	13:50-13:55	60.7	59.2	16:50-16:55	58.9	58.5	19:50-19:55	59.8	59.4	22:50-22:55	59.2
10:55-11:00	59.3	58.9	13:55-14:00	60.5	59.2	16:55-17:00	59.1	58.5	19:55-20:00	59.8	59.2	22:55-23:00	59.2
11:00-11:05	60.1	59.2	14:00-14:05	60.1	58.9	17:00-17:05	59.0	58.5	20:00-20:05	61.4	59.3	23:00-23:05	59.2
11:05-11:10	59.7	59.2	14:05-14:10	60.5	59.0	17:05-17:10	59.0	58.6	20:05-20:10	59.7	59.3	23:05-23:10	59.2
11:10-11:15	59.7	59.2	14:10-14:15	59.9	58.8	17:10-17:15	59.0	58.6	20:10-20:15	59.6	59.3	23:10-23:15	59.2
11:15-11:20	59.4	59.0	14:15-14:20	59.5	58.6	17:15-17:20	59.0	58.5	20:15-20:20	59.8	59.4	23:15-23:20	59.2
11:20-11:25	59.5	59.0	14:20-14:25	59.6	58.7	17:20-17:25	59.0	58.6	20:20-20:25	59.8	59.4	23:20-23:25	59.2
11:25-11:30	59.7	59.2	14:25-14:30	59.4	58.5	17:25-17:30	59.2	58.7	20:25-20:30	59.9	59.4	23:25-23:30	59.2
11:30-11:35	60.3	59.5	14:30-14:35	60.5	58.5	17:30-17:35	59.4	58.7	20:30-20:35	59.6	59.2	23:30-23:35	59.2
11:35-11:40	59.8	59.2	14:35-14:40	60.4	58.8	17:35-17:40	59.3	58.6	20:35-20:40	59.5	59.2	23:35-23:40	59.2
11:40-11:45	59.4	58.9	14:40-14:45	60.6	59.2	17:40-17:45	59.3	58.5	20:40-20:45	59.6	59.2	23:40-23:45	59.2
11:45-11:50	60.6	59.1	14:45-14:50	60.7	59.3	17:45-17:50	58.8	58.4	20:45-20:50	59.5	59.1	23:45-23:50	59.2
11:50-11:55	60.0	59.2	14:50-14:55	59.6	59.0	17:50-17:55	59.3	58.6	20:50-20:55	59.6	59.2	23:50-23:55	59.2
11:55-12:00	58.9	58.4	14:55-15:00	59.5	58.9	17:55-18:00	59.2	58.6	20:55-21:00	61.0	59.3	23:55-24:00	59.2
12:00-12:05	58.8	58.4	15:00-15:05	59.9	59.0	18:00-18:05	59.4	58.7	21:00-21:05	59.6	59.2	24:00-24:05	59.2
12:05-12:10	59.0	58.6	15:05-15:10	59.7	59.0	18:05-18:10	59.4	58.9	21:05-21:10	59.6	59.2	24:05-24:10	59.2
12:10-12:15	59.1	58.5	15:10-15:15	60.0	59.0	18:10-18:15	59.6	58.7	21:10-21:15	59.6	59.2	24:10-24:15	59.2
12:15-12:20	59.0	58.4	15:15-15:20	59.7	59.0	18:15-18:20	59.2	58.8	21:15-21:20	59.6	59.2	24:15-24:20	59.2
12:20-12:25	59.1	58.4	15:20-15:25	59.5	58.9	18:20-18:25	59.4	58.8	21:20-21:25	59.6	59.2	24:20-24:25	59.2
12:25-12:30	59.1	58.4	15:25-15:30	59.7	59.0	18:25-18:30	60.0	59.2	21:25-21:30	59.6	59.2	24:25-24:30	59.2
12:30-12:35	58.8	58.3	15:30-15:35	59.4	58.8	18:30-18:35	59.6	59.1	21:30-21:35	59.6	59.3	24:30-24:35	59.2
12:35-12:40	59.1	58.4	15:35-15:40	59.5	58.9	18:35-18:40	59.8	59.5	21:35-21:40	59.6	59.2	24:35-24:40	59.2
12:40-12:45	59.2	58.6	15:40-15:45	60.5	59.0	18:40-18:45	60.0	59.6	21:40-21:45	59.6	59.1	24:40-24:45	59.1
12:45-12:50	59.3	58.6	15:45-15:50	60.5	59.3	18:45-18:50	60.5	60.1	21:45-21:50	59.4	59.1	24:45-24:50	59.1
12:50-12:55	59.3	58.4	15:50-15:55	60.1	59.2	18:50-18:55	60.0	60.3	21:50-21:55	59.4	59.1	24:50-24:55	59.1
12:55-13:00	60.0	59.1	15:55-16:00	59.6	59.0	18:55-19:00	61.0	60.5	21:55-22:00	59.4	59.0	24:55-25:00	59.0

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Poyester (Thailand) Co. Ltd.,

GPS, Coordinate : Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured Date : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured By : May 23-24, 2022
Analyzed By : Mr Nilad Sirichad
Measured Instrument : Environment Research & Technology Co., Ltd.
Reported Number : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448 : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
22:00-22:05	59.4	59.0	01:00-01:05	59.1	58.8	04:00-04:05	59.7	59.4	07:00-07:05	60.4	59.9
22:05-22:10	59.5	59.1	01:05-01:10	59.1	58.8	04:05-04:10	59.6	59.3	07:05-07:10	60.7	60.0
22:10-22:15	59.6	59.1	01:10-01:15	59.1	58.8	04:10-04:15	59.7	59.2	07:10-07:15	61.2	60.5
22:15-22:20	59.3	58.9	01:15-01:20	59.1	58.8	04:15-04:20	59.5	59.2	07:15-07:20	60.8	60.3
22:20-22:25	59.3	59.0	01:20-01:25	59.2	58.8	04:20-04:25	59.7	59.3	07:20-07:25	60.8	60.4
22:25-22:30	59.3	58.9	01:25-01:30	59.2	58.9	04:25-04:30	59.6	59.3	07:25-07:30	60.6	60.2
22:30-22:35	59.3	58.9	01:30-01:35	59.1	58.8	04:30-04:35	59.7	59.3	07:30-07:35	60.5	60.0
22:35-22:40	59.3	59.0	01:35-01:40	59.1	58.8	04:35-04:40	59.8	59.4	07:35-07:40	60.6	60.2
22:40-22:45	59.2	58.9	01:40-01:45	59.2	58.8	04:40-04:45	60.0	59.5	07:40-07:45	60.6	60.2
22:45-22:50	59.3	58.9	01:45-01:50	59.1	58.8	04:45-04:50	59.9	59.4	07:45-07:50	60.6	60.1
22:50-22:55	59.3	58.9	01:50-01:55	59.2	58.8	04:50-04:55	59.9	59.4	07:50-07:55	61.2	60.1
22:55-23:00	59.2	58.8	01:55-02:00	59.2	58.8	04:55-05:00	59.9	59.5	07:55-08:00	60.8	59.9
23:00-23:05	59.3	58.9	02:00-02:05	59.2	58.8	05:00-05:05	59.8	59.4	08:00-08:05	60.5	59.8
23:05-23:10	59.3	59.1	02:05-02:10	59.1	58.8	05:05-05:10	60.3	59.7	08:05-08:10	60.8	59.4
23:10-23:15	59.4	59.0	02:10-02:15	59.2	58.8	05:10-05:15	59.9	59.5	08:10-08:15	60.1	59.5
23:15-23:20	59.3	58.9	02:15-02:20	59.2	58.9	05:15-05:20	59.9	59.5	08:15-08:20	61.0	59.8
23:20-23:25	59.3	59.0	02:20-02:25	59.1	58.8	05:20-05:25	60.0	59.6	08:20-08:25	61.2	60.2
23:25-23:30	59.3	58.9	02:25-02:30	59.2	58.8	05:25-05:30	60.3	59.6	08:25-08:30	60.6	59.7
23:30-23:35	59.3	58.9	02:30-02:35	59.2	58.8	05:30-05:35	60.1	59.7	08:30-08:35	60.3	59.7
23:35-23:40	59.2	58.8	02:35-02:40	59.2	58.9	05:35-05:40	61.9	59.9	08:35-08:40	61.1	59.7
23:40-23:45	59.1	58.8	02:40-02:45	59.3	58.9	05:40-05:45	60.6	59.7	08:40-08:45	60.1	59.6
23:45-23:50	59.3	58.8	02:45-02:50	59.2	58.9	05:45-05:50	60.3	59.7	08:45-08:50	60.0	59.5
23:50-23:55	59.2	58.8	02:50-02:55	59.1	58.8	05:50-05:55	60.0	59.6	08:50-08:55	60.0	59.4
23:55-00:00	59.2	58.8	02:55-03:00	59.2	58.9	05:55-06:00	60.3	59.6	08:55-09:00	60.7	59.6
00:00-00:05	59.1	58.8	03:00-03:05	59.1	58.8	06:00-06:05	60.0	59.5	09:00-09:05	60.1	59.5
00:05-00:10	59.2	58.8	03:05-03:10	59.2	58.8	06:05-06:10	60.1	59.6	09:05-09:10	60.5	59.8
00:10-00:15	59.2	58.8	03:10-03:15	59.2	58.9	06:10-06:15	60.1	59.6	09:10-09:15	60.1	59.4
00:15-00:20	59.2	58.8	03:15-03:20	59.3	58.9	06:15-06:20	60.2	59.6	09:15-09:20	60.2	59.5
00:20-00:25	59.2	58.9	03:20-03:25	59.4	59.0	06:20-06:25	60.1	59.6	09:20-09:25	59.9	59.4
00:25-00:30	59.2	58.8	03:25-03:30	59.4	59.0	06:25-06:30	59.9	59.5	09:25-09:30	61.1	59.8
00:30-00:35	59.3	58.9	03:30-03:35	59.5	59.1	06:30-06:35	60.3	59.6	09:30-09:35	60.2	59.6
00:35-00:40	59.2	58.9	03:35-03:40	59.4	59.0	06:35-06:40	60.0	59.4	09:35-09:40	59.9	59.5
00:40-00:45	59.2	58.9	03:40-03:45	59.5	59.1	06:40-06:45	59.8	59.5	09:40-09:45	59.8	59.2
00:45-00:50	59.2	58.8	03:45-03:50	59.5	59.1	06:45-06:50	60.2	59.6	09:45-09:50	59.8	59.3
00:50-00:55	59.3	59.0	03:50-03:55	59.7	59.3	06:50-06:55	60.0	59.6	09:50-09:55	60.9	59.8
00:55-01:00	59.2	58.9	03:55-04:00	59.7	59.4	06:55-07:00	60.5	59.8	09:55-10:00	60.7	59.8

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ANALYSIS REPORT

Customer Name : Klong Luang Utilities Company Limited
Address : 222 EGCO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210
Project Name : Electricity and Steam Generating Cogeneration, Pathumthani Province Project
Project Location : 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province
Measured Source : Ambient Noise
Measured Point : Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co. Ltd.,

GPS, Coordinate : Klong Nueng Sub-District, Khlong Luang District, Pathum Thani Province
Measured Date : UTM (WGS84) 47P 0674272 E, 1550804 N
Measured By : May 24, 2022
Analyzed By : Mr Nilad Sirichad
Measured Instrument : Environment Research & Technology Co., Ltd.
Reported Number : Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448 : NCC2772565

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
10:00-10:05	60.7	59.3	13:00-13:05	61.6	59.8	16:00-16:05	58.8	58.3	19:00-19:05	60.8	59.9
10:05-10:10	60.1	59.3	13:05-13:10	62.4	60.1	16:05-16:10	58.5	58.1	19:05-19:10	60.8	59.8
10:10-10:15	59.8	59.2	13:10-13:15	62.4	60.1	16:10-16:15	58.7	58.3	19:10-19:15	60.7	59.7
10:15-10:20	59.9	59.3	13:15-13:20	62.8	60.5	16:15-16:20	60.8	59.3	19:15-19:20	60.9	59.6
10:20-10:25	61.8	59.6	13:20-13:25	61.0	59.6	16:20-16:25	60.4	59.4	19:20-19:25	59.6	59.0
10:25-10:30	60.7	59.2	13:25-13:30	59.7	59.0	16:25-16:30	60.1	59.0	19:25-19:30	60.1	59.0
10:30-10:35	59.9	59.2	13:30-13:35	59.4	58.8	16:30-16:35	59.5	59.0	19:30-19:35	60.0	59.1
10:35-10:40	60.4	58.9	13:35-13:40	59.6	59.0	16:35-16:40	59.6	59.0	19:35-19:40	60.2	58.9
10:40-10:45	60.3	58.5	13:40-13:45	59.4	58.9	16:40-16:45	59.9	59.2	19:40-19:45	61.6	59.8
10:45-10:50	60.7	58.7	13:45-13:50	59.6	59.0	16:45-16:50	59.9	59.2	19:45-19:50	60.2	59.1
10:50-10:55	59.4	58.8	13:50-13:55	60.3	59.4	16:50-16:55	60.2	59.5	19:50-19:55	60.4	59.6
10:55-11:00	59.5	59.0	13:55-14:00	59.7	59.2	16:55-17:00	60.1	59.3	19:55-20:00	60.8	59.3
11:00-11:05	59.5	59.0	14:00-14:05	59.3	58.9	17:00-17:05	60.6	59.7	20:00-20:05	61.1	59.8
11:05-11:10	59.6	58.9	14:05-14:10	59.3	58.9	17:05-17:10	59.9	59.2	20:05-20:10	61.6	59.9
11:10-11:15	60.4	59.5	14:10-14:15	59.4	59.0	17:10-17:15	59.8	59.1	20:10-20:15	61.3	59.3
11:15-11:20	60.1	59.5	14:15-14:20	59.2	58.9	17:15-17:20	60.2	58.9	20:15-20:20	60.7	59.5
11:20-11:25	60.4	59.6	14:20-14:25	59.2	58.8	17:20-17:25	60.3	59.1	20:20-20:25	61.2	59.5
11:25-11:30	60.2	59.6	14:25-14:30	61.7	58.8	17:25-17:30	59.5	58.9	20:25-20:30	61.9	59.8
11:30-11:35	60.0	59.4	14:30-14:35	59.2	58.8	17:30-17:35	60.7	59.7	20:30-20:35	61.0	59.6
11:35-11:40	59.9	59.3	14:35-14:40	59.1	58.6	17:35-17:40	61.5	60.6	20:35-20:40	61.1	59.9
11:40-11:45	59.8	59.3	14:40-14:45	59.0	58.6	17:40-17:45	60.7	59.2	20:40-20:45	62.7	60.1
11:45-11:50	61.2	59.5	14:45-14:50	59.1	58.7	17:45-17:50	59.7	59.0	20:45-20:50	61.4	59.5
11:50-11:55	59.9	59.3	14:50-14:55	58.9	58.5	17:50-17:55	59.9	59.2	20:50-20:55	62.5	60.2
11:55-12:00	60.0	59.3	14:55-15:00	59.2	58.6	17:55-18:00	60.4	59.4	20:55-21:00	63.6	61.0
12:00-12:05	60.1	59.4	15:00-15:05	58.8	58.4	18:00-18:05	61.5	60.0	21:00-21:05	64.8	61.6
12:05-12:10	60.5	59.8	15:05-15:10	59.4	58.6	18:05-18:10	61.3	59.7	21:05-21:10	63.4	61.0
12:10-12:15	60.0	59.3	15:10-15:15	60.3	58.6	18:10-18:15	61.8	60.4	21:10-21:15	63.0	60.9
12:15-12:20	59.9	59.3	15:15-15:20	58.8	58.4	18:15-18:20	61.7	60.5	21:15-21:20	63.7	60.9
12:20-12:25	60.3	59.5	15:20-15:25	58.8	58.4	18:20-18:25	61.3	60.2	21:20-21:25	62.1	60.3
12:25-12:30	60.7	59.8	15:25-15:30	58.7	58.3	18:25-18:30	62.1	60.5	21:25-21:30	62.2	59.1
12:30-12:35	61.0	59.9	15:30-15:35	58.8	58.4	18:30-18:35	61.6	60.3	21:30-21:35	59.1	58.8
12:35-12:40	61.7	60.5	15:35-15:40	58.9	58.4	18:35-18:40	61.8	60.5	21:35-21:40	59.4	59.0
12:40-12:45	61.2	59.9	15:40-15:45	58.8	58.4	18:40-18:45	61.5	60.3	21:40-21:45	59.1	58.8
12:45-12:50	61.5	60.0	15:45-15:50	59.0	58.5	18:45-18:50	61.1	60.3	21:45-21:50	59.1	58.8
12:50-12:55	61.9	60.3	15:50-15:55	58.8	58.4	18:50-18:55	61.5	60.4	21:50-21:55	59.2	58.8
12:55-13:00	62.4	60.3	15:55-16:00	58.7	58.3	18:55-19:00	62.3	60.1	21:55-22:00	59.0	58.8

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY
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ANALYSIS REPORT

- Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point
- : Klong Luang Utilities Company Limited

: 222 ECOO Tower, Vibhavadi Rangsit Road, Tungsoenghong, Laksi, Bangkok 10210

: Electricity and Steam Generating Cogeneration, Pathumthani Province Project

: 1/9 Moo 3, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province

: Ambient Noise

: Project's Fence Located Adjacent to the Staff Dormitory of Tejin Polyester (Thailand) Co.,Ltd.,
- GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

Reported Number
- : UTM (NGS84) 47P 0874272 E, 1550804 N

: May 24-25, 2022

: Mr.Nlad Sirichad

: Environment Research & Technology Co., Ltd.

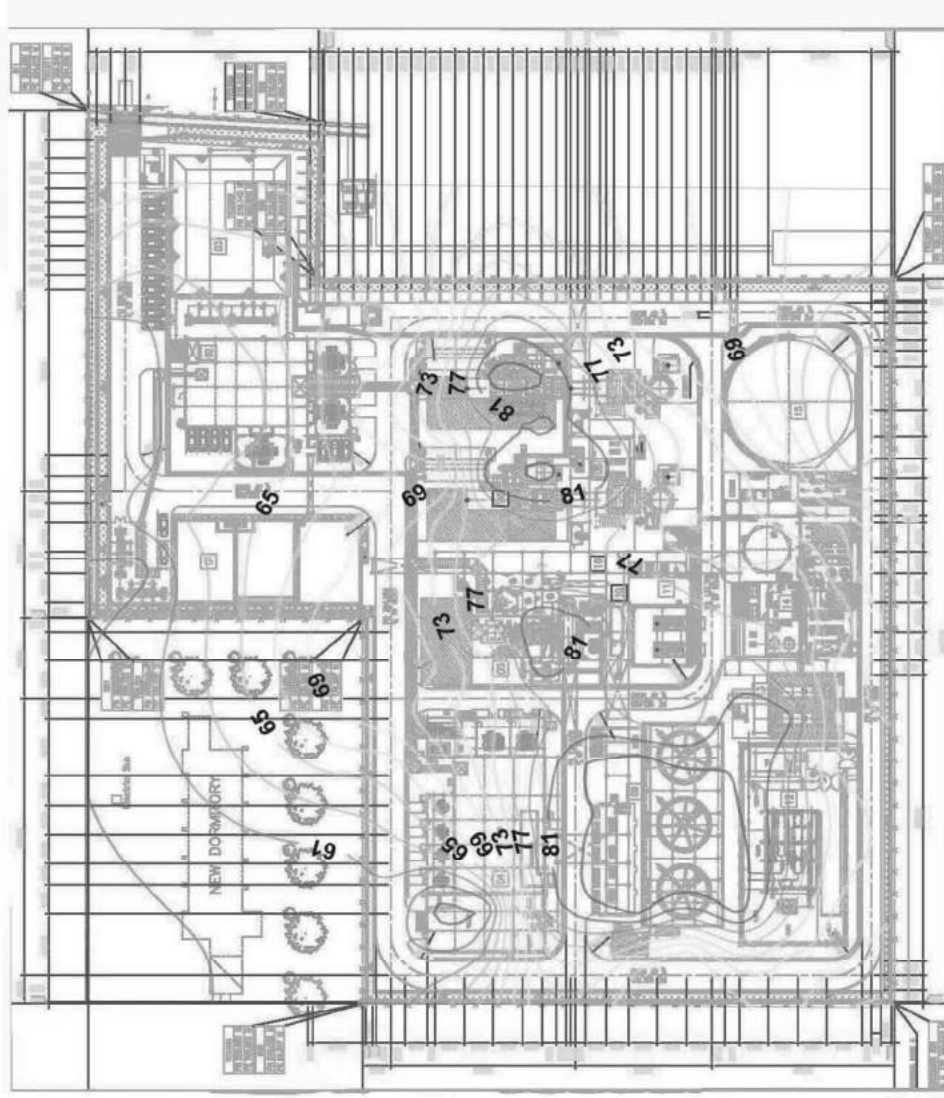
: Integrating Sound Level Meter Type II, RION Model NL-21 Serial Number 00609448

: NCC2772585

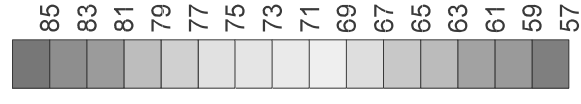
Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90		Leq	L90
22:00-22:05	59.2	58.8	01:00-01:05	59.1	58.7	04:00-04:05	59.3	59.0	07:00-07:05	59.6	59.0	10:00-10:05	59.8	59.3
22:05-22:10	59.2	58.8	01:05-01:10	59.0	58.7	04:05-04:10	59.2	58.9	07:05-07:10	59.6	59.3	10:05-10:10	59.8	59.3
22:10-22:15	59.1	58.8	01:10-01:15	59.0	58.7	04:10-04:15	59.2	58.8	07:10-07:15	59.6	59.1	10:10-10:15	59.8	59.3
22:15-22:20	59.3	58.9	01:15-01:20	59.0	58.6	04:15-04:20	59.2	58.9	07:15-07:20	59.3	58.9	10:15-10:20	59.3	58.9
22:20-22:25	59.0	58.7	01:20-01:25	58.9	58.7	04:20-04:25	59.3	58.9	07:20-07:25	59.7	59.0	10:20-10:25	59.7	59.0
22:25-22:30	59.0	58.7	01:25-01:30	59.0	58.7	04:25-04:30	59.4	59.0	07:25-07:30	59.4	58.9	10:25-10:30	59.4	58.9
22:30-22:35	59.0	58.7	01:30-01:35	59.0	58.7	04:30-04:35	59.3	58.9	07:30-07:35	60.0	59.5	10:30-10:35	59.4	58.9
22:35-22:40	59.1	58.7	01:35-01:40	59.0	58.7	04:35-04:40	59.3	59.0	07:35-07:40	60.2	59.5	10:35-10:40	59.4	58.9
22:40-22:45	59.0	58.7	01:40-01:45	59.0	58.7	04:40-04:45	59.4	59.0	07:40-07:45	59.9	59.3	10:40-10:45	59.4	58.9
22:45-22:50	59.0	58.7	01:45-01:50	59.0	58.7	04:45-04:50	59.4	58.9	07:45-07:50	59.6	59.0	10:45-10:50	59.4	58.9
22:50-22:55	59.1	58.7	01:50-01:55	59.0	58.6	04:50-04:55	59.6	59.1	07:50-07:55	59.4	59.0	10:50-10:55	59.4	58.9
22:55-23:00	59.0	58.7	01:55-02:00	58.9	58.6	04:55-05:00	59.5	59.1	07:55-08:00	59.4	58.9	10:55-11:00	59.4	58.9
23:00-23:05	59.2	58.8	02:00-02:05	58.9	58.5	05:00-05:05	59.4	59.0	08:00-08:05	60.3	59.4	11:00-11:05	59.4	58.9
23:05-23:10	59.1	58.7	02:05-02:10	59.0	58.7	05:05-05:10	59.4	59.0	08:05-08:10	59.7	58.9	11:05-11:10	59.4	58.9
23:10-23:15	59.0	58.7	02:10-02:15	58.9	58.6	05:10-05:15	59.7	59.1	08:10-08:15	59.3	58.8	11:10-11:15	59.4	58.9
23:15-23:20	59.0	58.7	02:15-02:20	58.9	58.6	05:15-05:20	59.3	59.0	08:15-08:20	59.4	58.8	11:15-11:20	59.4	58.8
23:20-23:25	59.1	58.7	02:20-02:25	59.0	58.7	05:20-05:25	59.6	59.1	08:20-08:25	59.4	58.7	11:20-11:25	59.4	58.7
23:25-23:30	59.1	58.8	02:25-02:30	59.2	58.9	05:25-05:30	60.0	59.1	08:25-08:30	59.2	58.7	11:25-11:30	59.2	58.7
23:30-23:35	59.2	58.8	02:30-02:35	59.2	58.9	05:30-05:35	59.6	59.1	08:30-08:35	59.4	58.8	11:30-11:35	59.4	58.8
23:35-23:40	59.1	58.8	02:35-02:40	59.1	58.8	05:35-05:40	59.7	59.1	08:35-08:40	62.6	58.9	11:35-11:40	59.7	59.0
23:40-23:45	58.9	58.6	02:40-02:45	59.1	58.8	05:40-05:45	59.6	59.2	08:40-08:45	59.7	59.0	11:40-11:45	59.7	59.0
23:45-23:50	59.3	58.8	02:45-02:50	59.2	58.8	05:45-05:50	59.5	59.1	08:45-08:50	59.7	59.1	11:45-11:50	59.7	59.1
23:50-23:55	59.2	58.8	02:50-02:55	59.1	58.8	05:50-05:55	60.6	59.4	08:50-08:55	59.6	58.9	11:50-11:55	59.6	58.9
23:55-00:00	58.9	58.6	02:55-03:00	59.2	58.8	05:55-06:00	60.3	59.3	08:55-09:00	59.9	58.9	11:55-12:00	59.2	58.9
00:00-00:05	59.0	58.7	03:00-03:05	59.3	59.0	06:00-06:05	59.6	59.2	09:00-09:05	59.2	58.9	12:00-12:05	59.2	58.9
00:05-00:10	58.9	58.6	03:05-03:10	59.2	58.9	06:05-06:10	59.6	59.2	09:05-09:10	59.4	59.0	12:05-12:10	59.4	59.0
00:10-00:15	59.0	58.7	03:10-03:15	59.2	58.8	06:10-06:15	59.5	59.1	09:10-09:15	59.7	59.2	12:10-12:15	59.7	59.2
00:15-00:20	59.0	58.7	03:15-03:20	59.1	58.8	06:15-06:20	59.5	59.2	09:15-09:20	59.7	59.2	12:15-12:20	59.7	59.2
00:20-00:25	59.0	58.7	03:20-03:25	59.1	58.8	06:20-06:25	59.4	59.0	09:20-09:25	59.4	59.0	12:20-12:25	59.4	59.0
00:25-00:30	59.0	58.7	03:25-03:30	59.1	58.8	06:25-06:30	59.4	59.0	09:25-09:30	59.7	59.2	12:25-12:30	59.7	59.2
00:30-00:35	58.9	58.7	03:30-03:35	59.1	58.8	06:30-06:35	59.5	59.0	09:30-09:35	61.6	59.3	12:30-12:35	59.6	59.3
00:35-00:40	58.9	58.6	03:35-03:40	59.0	58.7	06:35-06:40	64.1	59.1	09:35-09:40	59.6	59.3	12:35-12:40	59.6	59.3
00:40-00:45	59.0	58.7	03:40-03:45	59.0	58.7	06:40-06:45	63.4	59.8	09:40-09:45	59.8	59.1	12:40-12:45	59.8	59.1
00:45-00:50	58.9	58.6	03:45-03:50	59.0	58.7	06:45-06:50	62.5	60.2	09:45-09:50	60.6	59.2	12:45-12:50	60.6	59.2
00:50-00:55	59.0	58.7	03:50-03:55	59.3	58.9	06:50-06:55	61.8	59.1	09:50-09:55	59.9	59.2	12:50-12:55	59.9	59.2
00:55-01:00	59.0	58.7	03:55-04:00	59.2	58.9	06:55-07:00	59.4	59.0	09:55-10:00	59.9	59.1	12:55-13:00	59.9	59.1

ภาคผนวก 3ซ

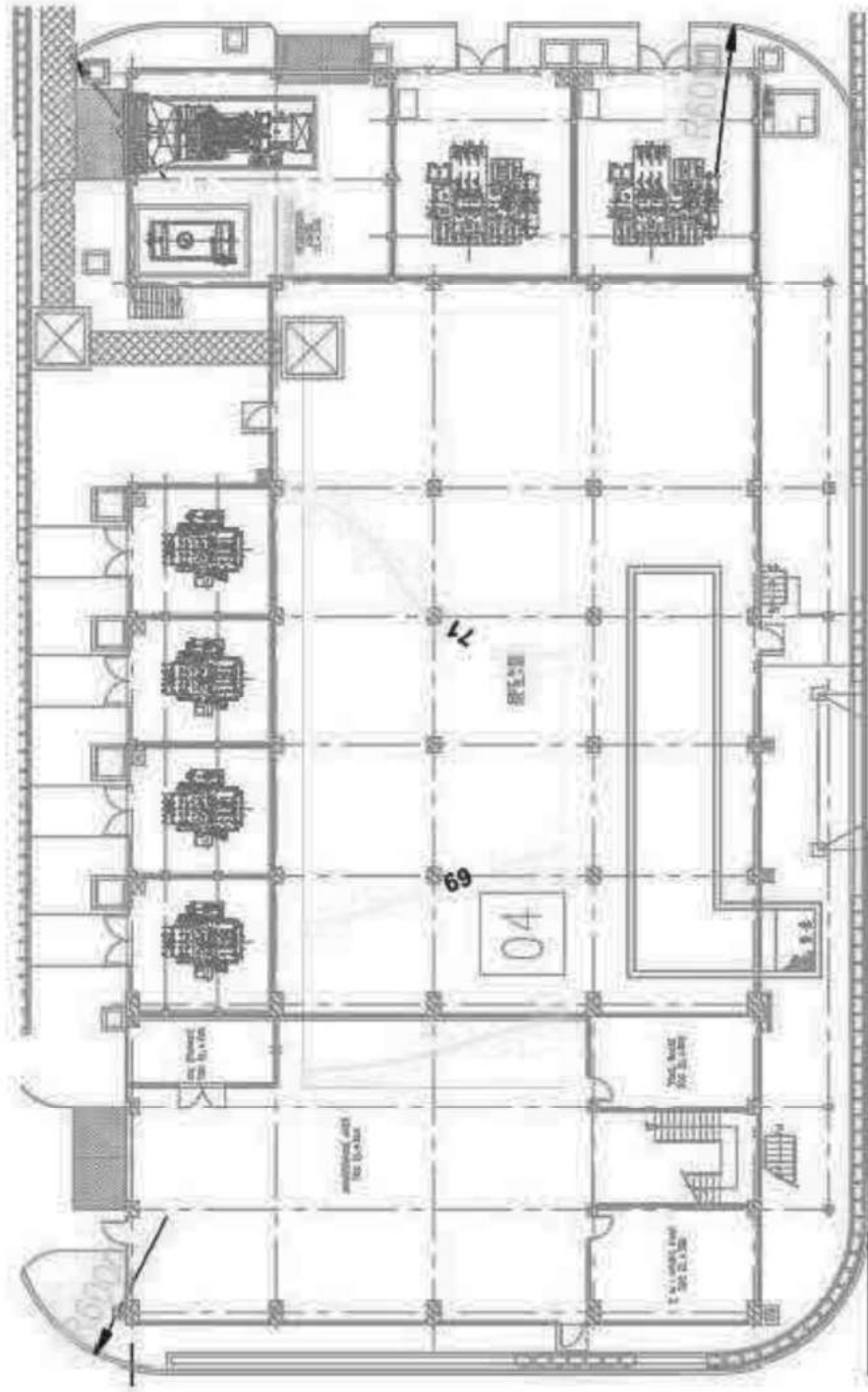
ผังแสดงเส้นระดับเสียง (Noise Contour Map)



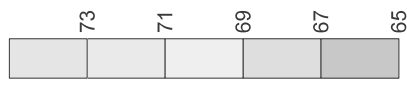
Noise Level dB(A)



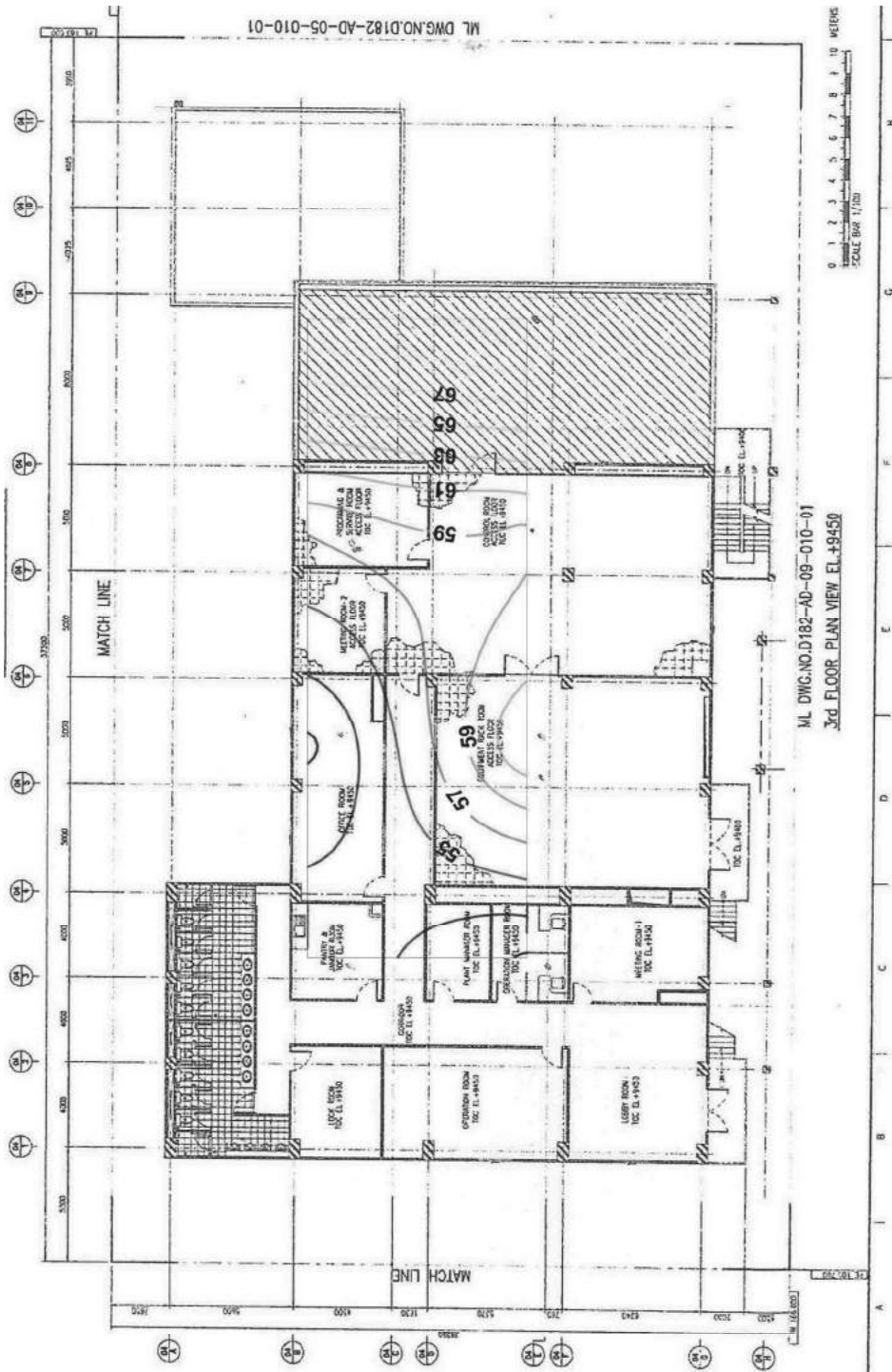
Title	: Noise Contour (Line)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: Ground Floor
Owner	: Klong Luang Utilities Company Limited
Date	: May 24, 2021



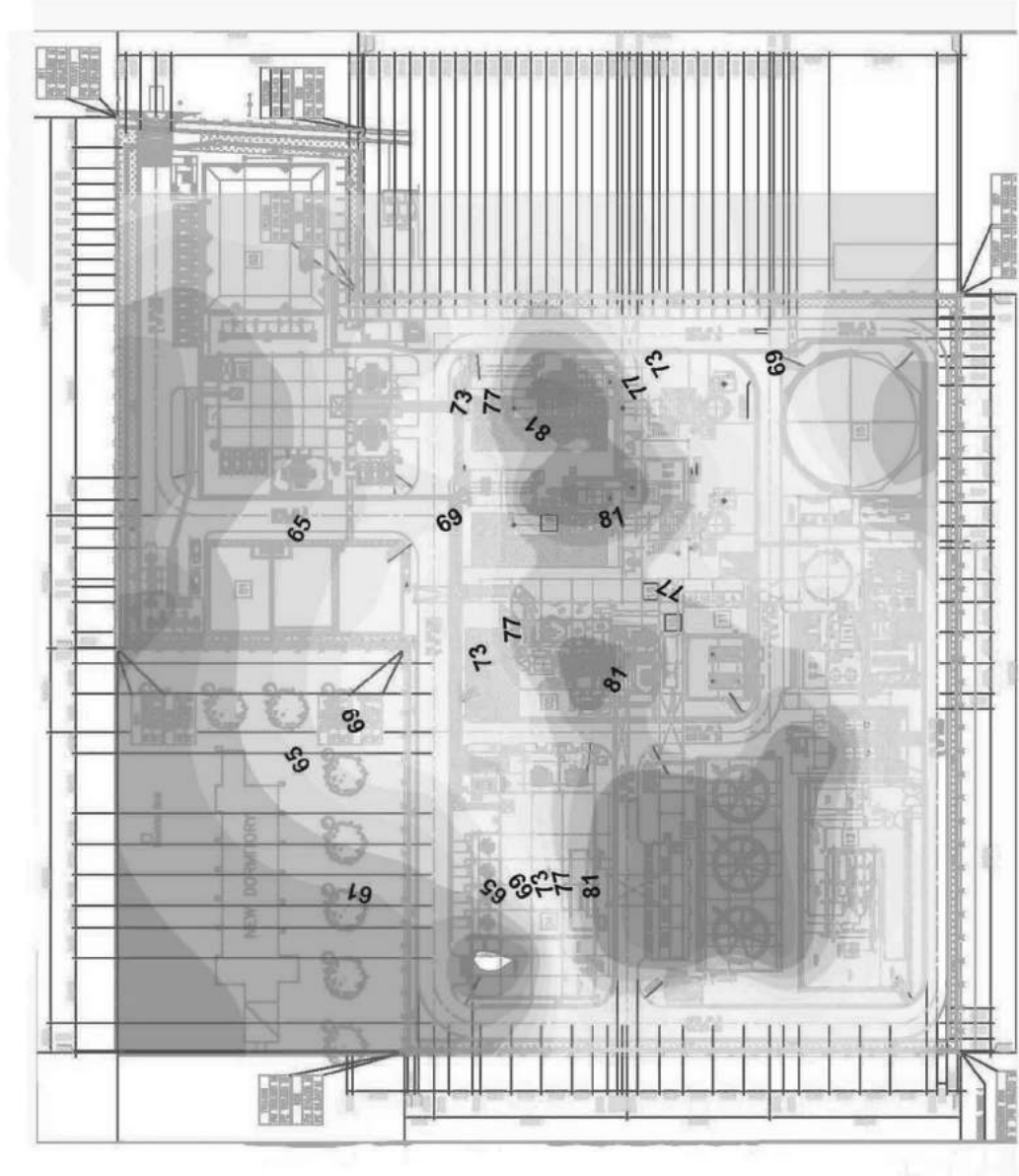
Noise Level dB(A)



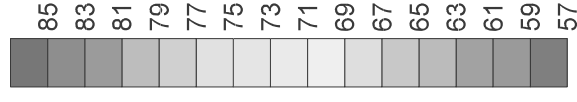
Title	: Noise Contour (Line)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: 2 nd Floor CCB
Owner	: Klong Luang Utilities Company Limited
Date	: May 25, 2021



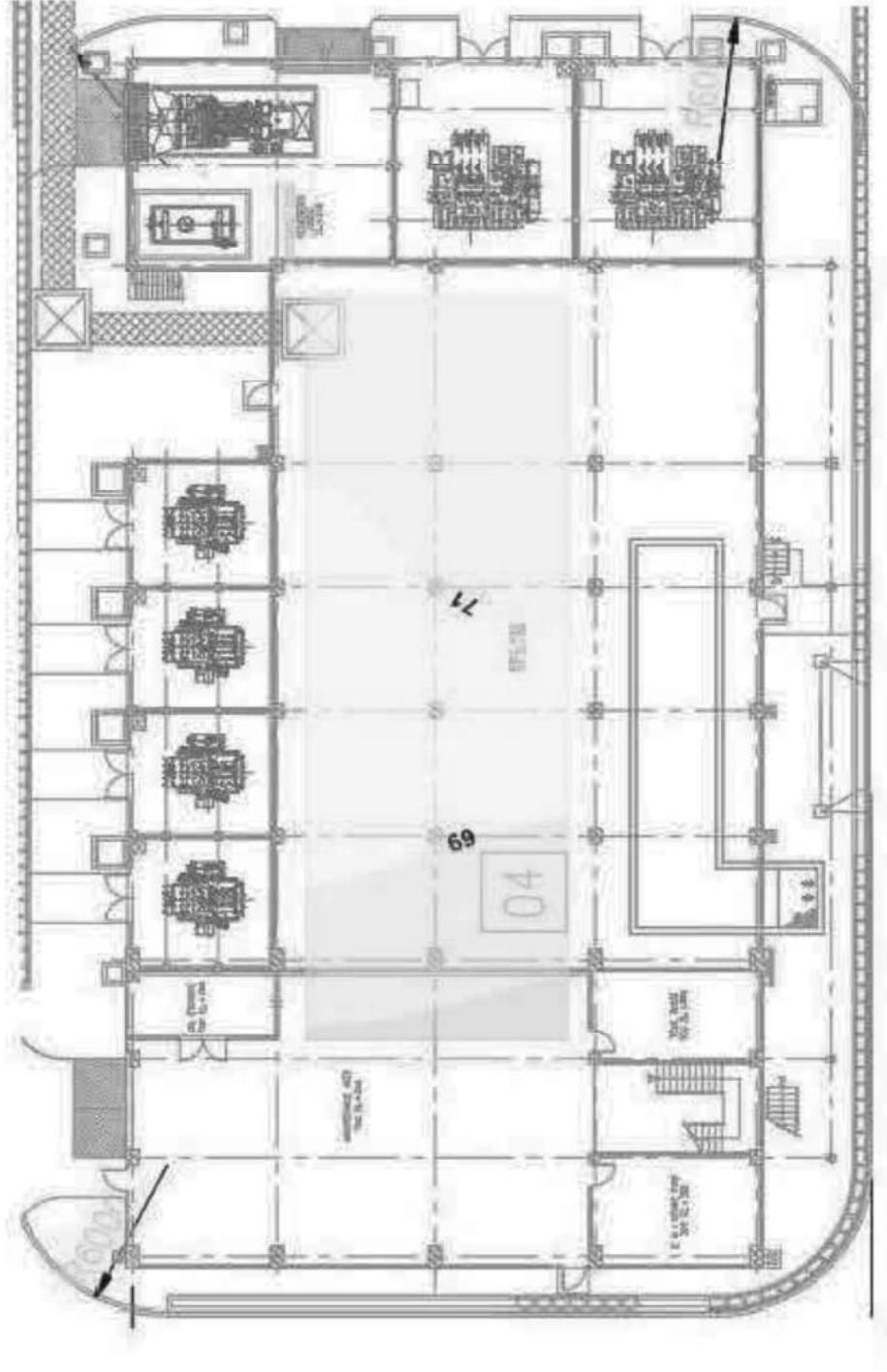
Title : Noise Contour (Line)
 Area : Electricity and Stream Generating
 Cogeneration, Pathumthani Province Project
 Area : 3rd Floor CCB
 Owner : Klong Luang Utilities Company Limited
 Date : May 25, 2021

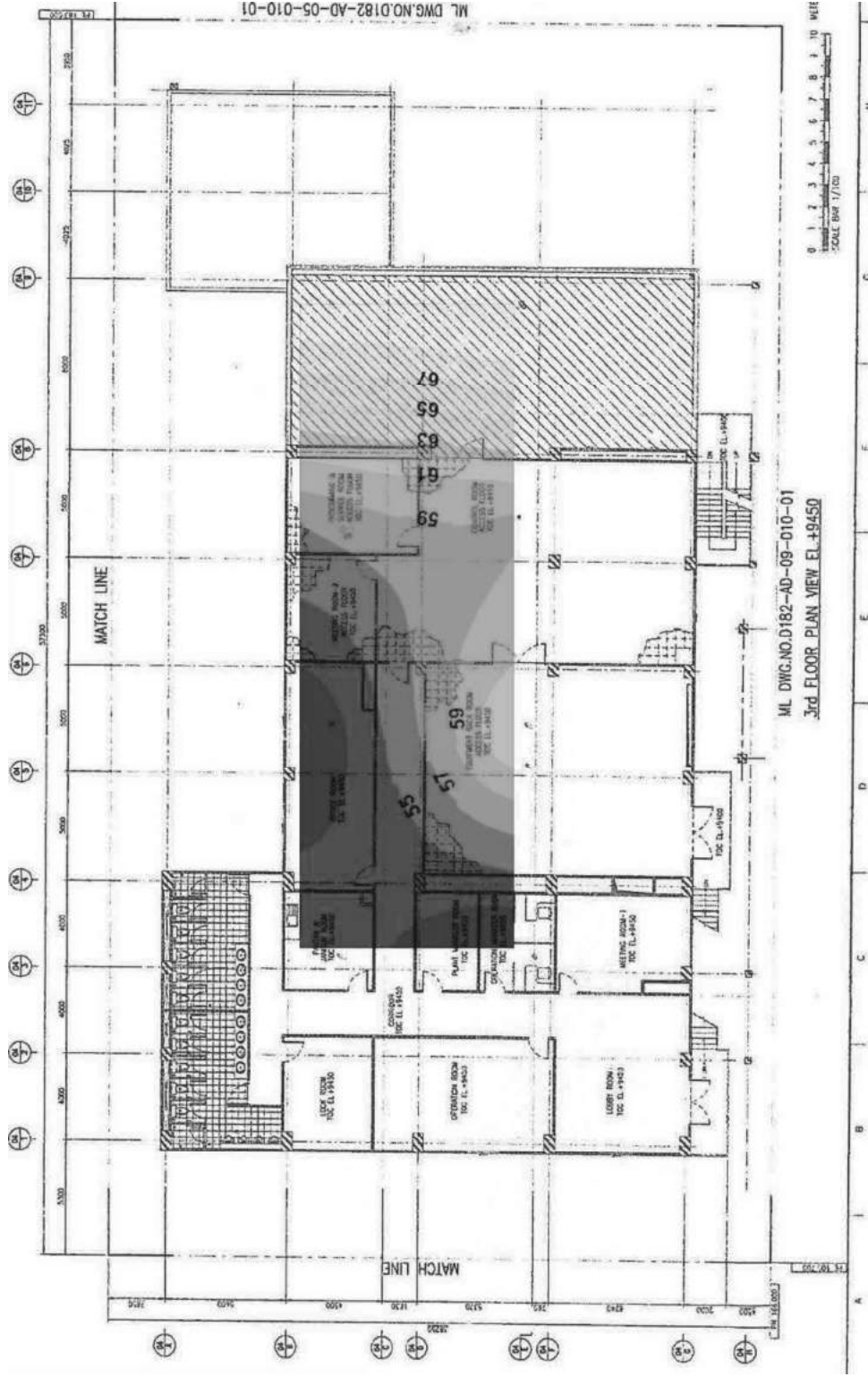


Noise Level dB(A)



Title	: Noise Contour (Fill)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: Ground Floor
Owner	: Klong Luang Utilities Company Limited
Date	: May 24, 2021

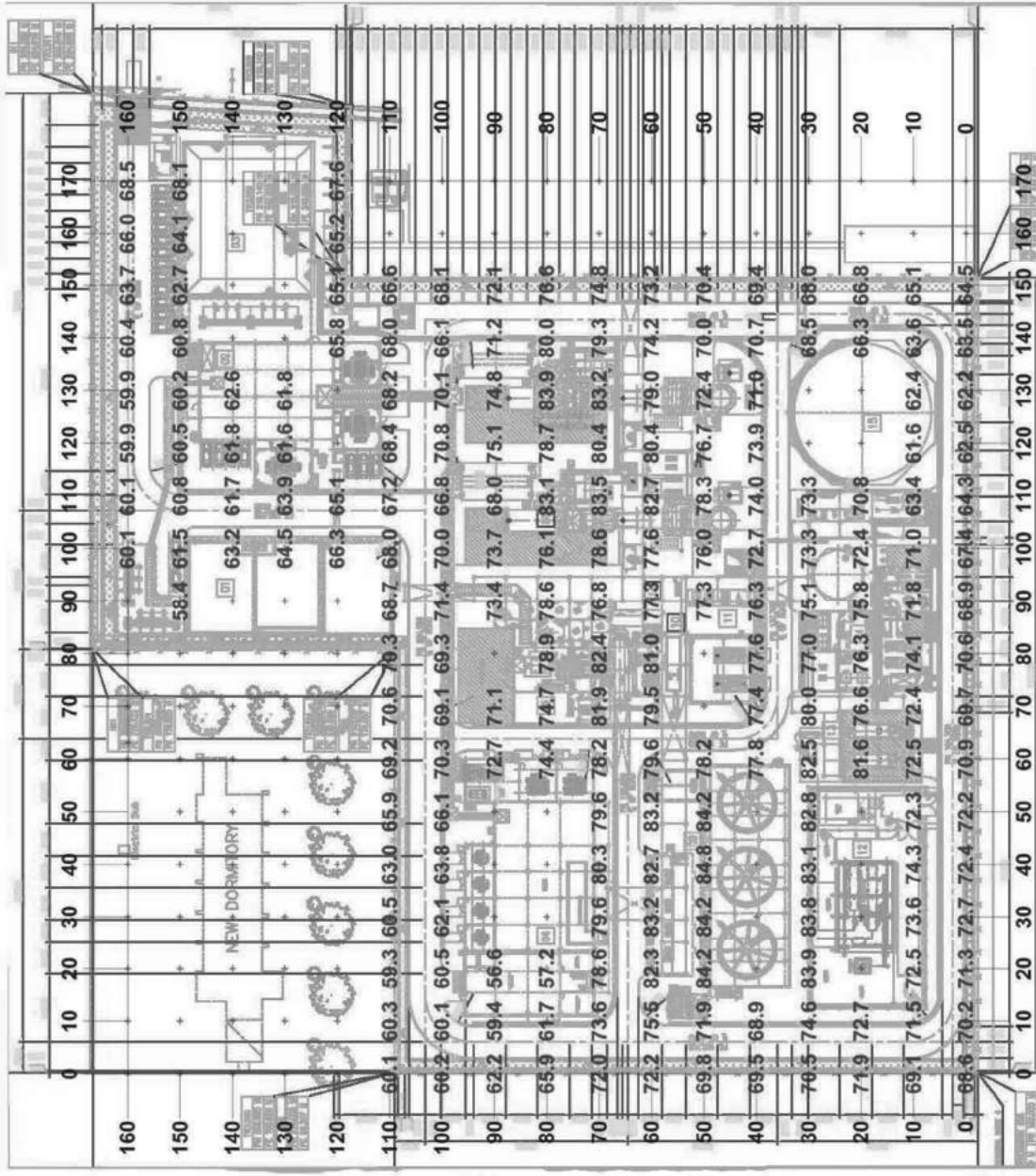




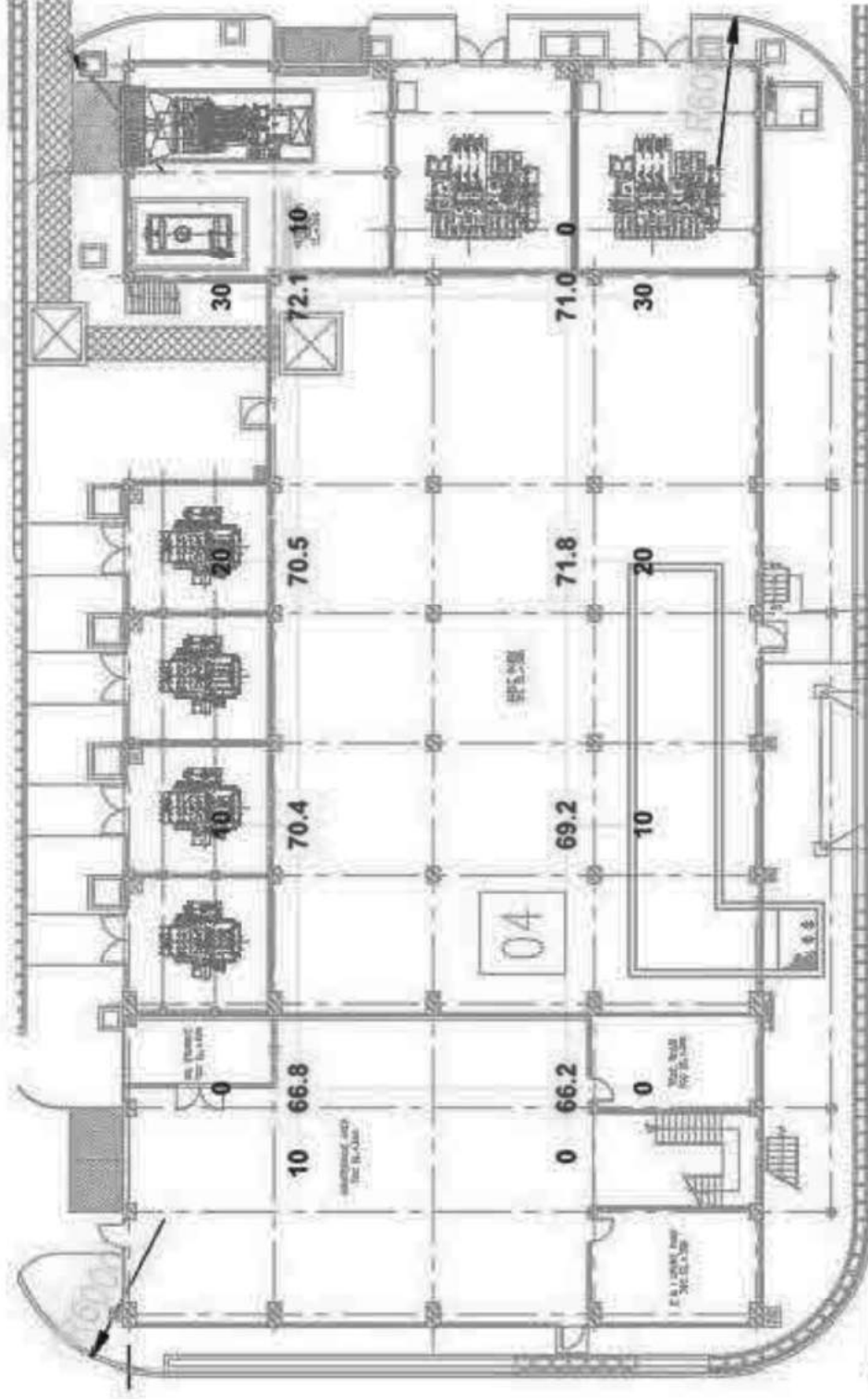
Title	: Noise Contour (Fill)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: 3 rd Floor CCB
Owner	: Klong Luang Utilities Company Limited
Date	: May 25, 2021

ภาคผนวก 3ณ

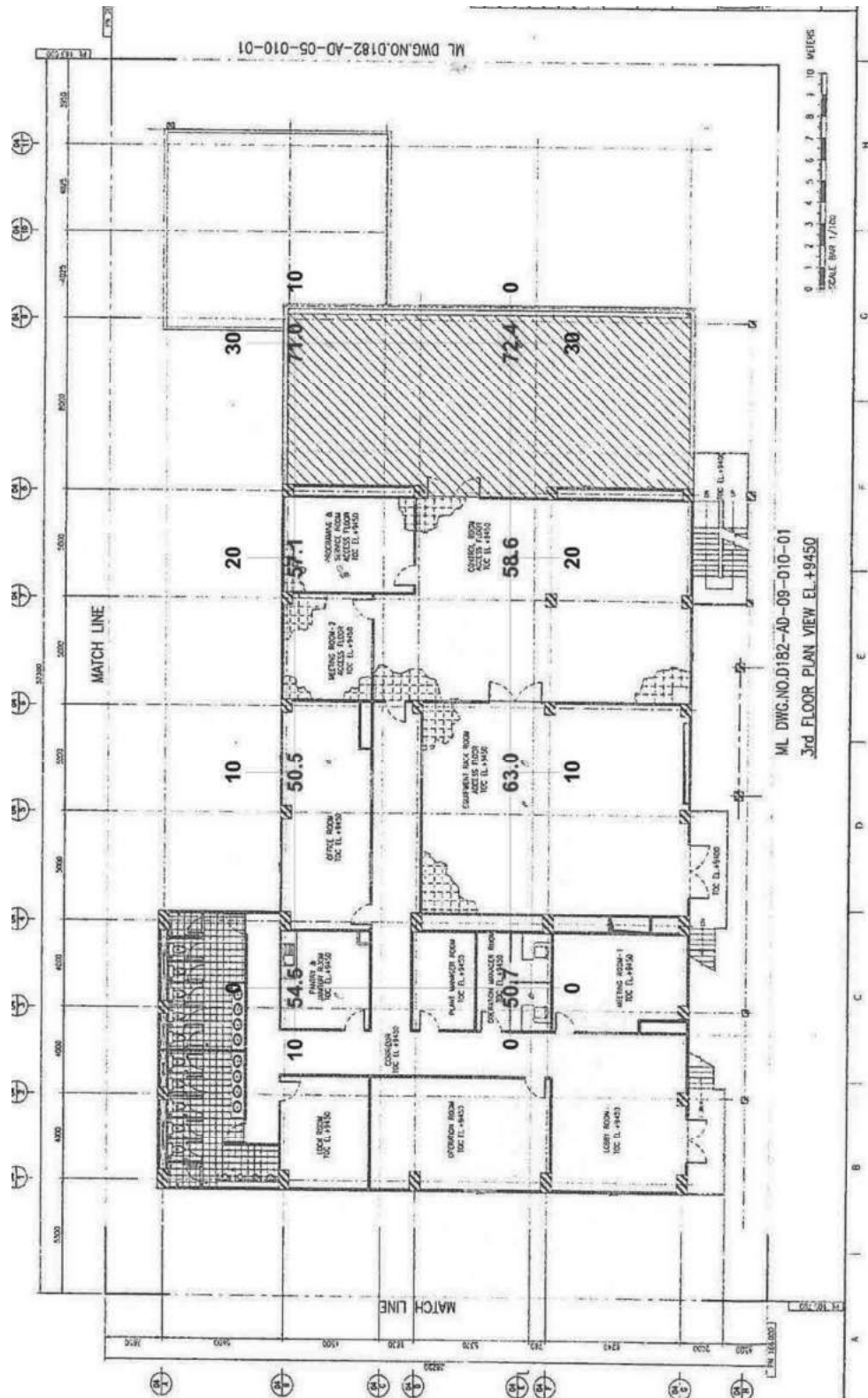
แสดงผลซ้อนทับกับแผนผังภายในพื้นที่โครงการ



Title : Noise Contour (Plot)
Area : Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area : Ground Floor
Owner : Klong Luang Utilities Company Limited
Date : May 24, 2021



Title	: Noise Contour (Plot)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: 2 nd Floor CCB
Owner	: Klong Luang Utilities Company Limited
Date	: May 25, 2021



ภาคผนวก 3ญ

ผลการวิเคราะห์คุณภาพน้ำหล่อเย็น
โดยระบบติดตามตรวจสอบคุณภาพน้ำแบบต่อเนื่อง



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน(คลองหนึ่ง)

ประจำเดือน : January-2022

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (ม ³)	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 µS/cm	ความเป็นกรดต่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1					
2	1880.00	8.01	25.80	413.00	
3	1885.00	8.00	25.30	416.00	
4	1879.00	7.95	26.00	404.00	
5	1798.00	7.91	26.20	424.00	
6	1883.00	7.93	27.10	433.00	
7	1886.00	7.95	25.80	409.90	
8	1876.00	7.98	25.58	433.90	
9	1886.00	8.33	26.33	431.10	
10	1885.00	8.17	26.16	435.10	
11	1890.00	8.16	25.17	404.60	
12	1830.00	8.12	24.42	449.30	
13	1799.00	8.21	24.80	446.10	
14	1820.00	8.26	25.90	403.00	
15	1810.00	8.25	26.00	445.00	
16	1822.00	8.24	26.5	453.90	
17	1890.00	8.27	25.80	450.10	
18	1879.00	8.03	26.80	445.80	
19	1826.00	8.01	26.80	446.20	
20	1874.00	8.05	26.20	449.90	
21	1879.00	8.03	25.90	447.80	
22	1889.00	8.35	26.70	450.60	
23	1888.00	8.35	26.30	428.00	
24	1869.00	8.32	26.03	439.00	
25	1896.00	8.30	25.22	453.30	
26	1845.00	8.15	27.23	413.00	
27	1876.00	8.15	27.92	448.00	
28	1821.00	8.30	28.23	446.00	
29	1882.00	8.00	27.50	447.20	
30	1826.00	8.15	26.30	434.00	
31	1893.00	8.12	25.81	452.70	
รวม				13,053.50	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m ³				ave max	
				435.12	
				453.90	

ตรวจสอบโดย :

(ผู้จัดการส่วนเดินเครื่อง)

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน(คลองหนึ่ง)

ประจำเดือน : February-2022

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (ม ³)	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 µS/cm	ความเป็นกรดต่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1690.55	8.02	27.46	447.00	
2	1710.52	8.10	27.54	440.00	
3	1711.00	8.04	27.26	438.30	
4	1715.20	8.05	27.31	436.00	
5	1743.10	8.07	27.94	442.10	
6	1761.60	8.06	27.46	439.80	
7	1754.16	8.10	26.38	440.20	
8	1712.91	8.12	26.31	437.90	
9	1705.36	8.15	25.90	438.80	
10	1718.60	8.13	27.11	440.60	
11	1691.40	8.17	27.23	435.60	
12	1692.29	8.05	27.87	442.50	
13	1695.75	8.09	27.67	444.90	
14	1703.84	8.17	27.52	446.50	
15	1695.40	8.16	27.67	446.90	
16	1682.40	8.14	27.77	445.80	
17	1704.00	8.16	27.84	447.00	
18	1702.00	8.07	27.58	445.70	
19	1704.00	8.08	25.67	446.90	
20	1698.30	8.02	25.15	447.50	
21	1693.50	8.05	25.37	447.30	
22	1725.30	8.09	26.03	446.50	
23	1770.20	8.11	27.23	446.70	
24	1761.10	8.13	27.14	448.00	
25	1773.00	8.07	26.87	447.80	
26	1747.10	8.05	25.91	448.00	
27	1742.50	8.12	26.00	447.50	
28	1739.40	8.16	26.02	400.40	
รวม				12,382.20	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m ³				ave max	
				442.22	
				448.00	

ตรวจสอบโดย :

(ผู้จัดการส่วนเดินเครื่อง)

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน (คลองหนึ่ง)

ประจำเดือน : March-2022

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m ³)	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 µS/cm	ความเป็นกรดต่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1692.00	8.20	28.05	450.0	
2	1695.00	8.10	28.26	438.9	
3	-	-	-	-	ไม่มีการนำทิ้ง
4	1697.00	8.20	28.65	450.0	
5	1699.00	8.30	28.96	445.0	
6	1729.00	8.20	29.79	443.0	
7	1724.37	8.40	30.44	450.0	
8	-	-	-	-	ไม่มีการนำทิ้ง
9	1713.50	8.30	28.39	444.0	
10	-	-	-	-	ไม่มีการนำทิ้ง
11	1722.00	8.40	29.24	450.0	
12	1754.00	8.20	29.63	450.0	
13	1738.00	8.20	30.05	450.0	
14	-	-	-	-	ไม่มีการนำทิ้ง
15	1736.00	8.20	29.95	445.0	
16	1748.00	8.30	29.75	449.0	
17	1741.00	8.00	29.85	448.0	
18	1732.20	8.20	29.82	449.0	
19	1736.10	8.20	28.82	450.0	
20	1703.20	8.20	28.51	450.0	
21	1704.59	8.30	28.81	449.0	
22	-	-	-	-	ไม่มีการนำทิ้ง
23	-	-	-	-	ไม่มีการนำทิ้ง
24	1729.87	8.30	28.82	450.0	
25	1860.81	8.30	29.14	450.0	
26	1856.30	8.05	29.82	449.0	
27	1836.11	8.16	30.19	448.0	
28	1798.20	8.16	29.65	450.0	
29	1798.20	8.16	29.51	450.0	
30	-	-	-	-	ไม่มีการนำทิ้ง
31	-	-	-	-	ไม่มีการนำทิ้ง
รวม				10,307.90	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m ³				ave	448.17
				max	450.00

ตรวจสอบโดย :

(ผู้จัดการส่วนเดินเครื่อง)

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน (คลองหนึ่ง)

ประจำเดือน : April-2022

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m ³)	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 µS/cm	ความเป็นกรดต่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1796.30	8.16	30.10	451.50	
2	1811.40	8.14	29.23	453.20	
3	1798.50	8.15	27.09	458.90	
4	1832.00	8.16	26.66	454.30	
5	1794.00	8.10	26.41	457.10	
6	1787.30	8.17	27.23	453.70	
7	1792.20	8.16	27.44	456.90	
8	1788.90	8.16	27.03	455.70	
9	1798.50	8.18	26.96	449.80	
10	1796.70	8.16	27.69	455.30	
11	1787.62	8.15	27.73	453.60	
12	1895.80	8.17	28.65	451.70	
13	1785.26	8.12	28.54	446.30	
14	1781.47	8.04	29.38	453.50	
15	1787.36	8.16	29.25	456.40	
16	1776.90	8.19	29.32	456.10	
17	1748.20	8.20	29.38	456.60	
18	1782.44	8.38	29.28	454.60	
19	1773.33	8.40	29.04	457.90	
20	1768.20	8.25	28.76	458.70	
21	1748.30	8.14	29.08	454.30	
22	1757.20	8.34	29.05	453.90	
23	1757.70	8.30	29.53	451.30	
24	1902.83	8.29	29.61	445.40	
25	1895.60	8.25	30.09	455.80	
26	1897.40	8.23	30.23	445.50	
27	1871.30	8.25	30.87	435.20	
28	1827.02	8.39	30.62	452.50	
29	1791.01	8.33	30.07	453.90	
30	1767.74	8.23	29.98	454.60	
รวม				13,594.20	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m ³				ave	453.14
				max	458.90

ตรวจสอบโดย :

(ผู้จัดการส่วนเดินเครื่อง)

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน(คลองหนึ่ง)

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m ³)	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 uS/cm	ความเป็นกรดต่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1720.58	8.25	30.39	452.3	
2	1711.12	8.23	29.47	451.5	
3	1696.24	8.21	28.25	453.4	
4	1685.90	8.11	27.05	450.9	
5	1714.30	8.07	26.81	451.3	
6	1736.80	7.91	27.59	453.2	
7	1754.14	8.14	28.39	456.2	
8	1738.41	8.02	28.76	452.1	
9	1713.18	8.12	29.42	449.6	
10	1737.49	8.11	29.37	453.0	
11	1736.11	7.86	29.56	451.1	
12	1743.90	8.13	30.20	452.9	
13	1782.37	8.03	30.57	452.4	
14	1806.96	8.06	31.01	449.8	
15	1808.51	8.01	31.26	450.6	
16	1802.57	7.94	30.67	450.3	
17	1810.07	8.05	29.63	449.5	
18	1809.12	8.18	29.37	448.9	
19	1798.30	7.97	29.25	450.9	
20	1809.19	8.05	29.35	448.3	
21	1816.31	8.18	29.69	449.1	
22	1813.23	7.96	28.97	451.2	
23	1818.30	7.87	28.48	448.7	
24	1800.12	7.76	28.39	435.2	
25	1737.18	7.71	28.59	435.9	
26	1718.26	7.56	28.17	434.8	
27	1676.21	7.67	28.31	435.1	
28	1642.39	7.53	28.30	440.0	
29	1627.10	7.55	28.44	433.6	
30	1639.21	7.56	28.39	434.1	
31	1647.33	7.43	28.56	436.1	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m ³				13,862.00	
				ave	447.16
				max	456.20

ตรวจสอบโดย :

(ผู้จัดการส่วนเดินเครื่อง)

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน(คลองหนึ่ง)

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m ³)	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 uS/cm	ความเป็นกรดต่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1646.00	7.67	28.60	450.0	
2	1769.00	8.07	28.87	434.0	
3	1723.00	8.25	28.80	423.0	
4	1586.00	7.90	29.20	410.0	
5	1605.00	8.10	29.45	448.0	
6	1611.00	8.22	30.20	445.0	
7	1612.00	8.22	29.87	453.0	
8	1618.00	8.22	28.98	452.0	
9	1626.00	8.23	29.20	450.0	
10	1659.00	8.07	29.40	442.0	
11	1621.00	8.20	31.60	403.0	
12	1621.00	8.32	30.85	434.0	
13	1610.00	8.22	30.59	422.0	
14	1611.00	8.20	31.20	432.0	
15	1617.00	8.23	30.90	401.0	
16	1607.00	7.80	30.90	432.0	
17	1619.00	8.25	31.23	390.0	
18	1657.00	8.20	31.72	429.0	
19	1657.00	8.22	32.00	423.0	
20	1861.00	8.20	30.23	450.0	
21	1748.00	8.20	29.47	448.0	
22	1799.00	7.73	29.32	429.0	
23	1800.00	7.25	29.30	436.0	
24	1813.00	7.17	29.39	446.0	
25	1900.00	7.95	29.22	426.0	
26	1775.00	7.72	29.20	444.0	
27	1756.00	7.71	29.30	391.0	
28	1761.00	7.76	29.40	436.0	
29	1769.00	7.83	29.30	389.0	
30	1810.00	7.85	29.63	411.0	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m ³				12,881.00	
				ave	429.37
				max	453.00

ตรวจสอบโดย :

(ผู้จัดการส่วนเดินเครื่อง)

FM-OP-002 / Rev.00

ภาคผนวก 3

ผลการวิเคราะห์คุณภาพน้ำหล่อเย็น จากบ่อกักน้ำหล่อเย็น

Customer Name : Klonghang Utilities Company Limited
Attention: K. Tawatchai
Project :

KURITA-GK CHEMICAL CO., LTD.
460 Moo 17 Bangphli Industrial Estate
Bangsuobhong, Bangsuobhong district, Samutprakorn 10570
Tel. (66)2-315-2300 Fax. (66)2-315-2301-2

 **KURITA**

WASTE WATER ANALYSIS REPORT

[illegible]

Customer Name : Klongluang Utilities Company Limited
Attention: K. Tawatchai
Project :

KURITA-GK CHEMICAL CO., LTD.
460 Moo 17 Bangphli Industrial Estate
Bangsaothong, Bangsaothong district, Samutprakarn 10570
Tel (66)2-5135-2310 Fax. (66)2-5135-2310-2



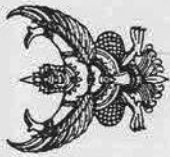
WASTE WATER ANALYSIS REPORT

Reference No.	SD32-20120028	Lab No.	01-5-60001-EF1313	Date:	24-Jun-2
ITEM NAME/ SAMPLE NAME	Holding Pond 1	-	-	-	Effluent Standard of Irrigation Dep (Not excess)
Sampling Time	13:10 PM	-	-	-	
Sampling Date	13-Jun-22	-	-	-	
pH	7.91	-	-	-	6.5 - 8.5
Temperature	32.0	-	-	-	40.0
Total Dissolved Solids	1,213	-	-	-	1,300
Oil & Grease	<1	-	-	-	5.0
Residual Chlorine	0.02	-	-	-	1.0
Copper	<0.025	-	-	-	1.0
Zinc	0.35	-	-	-	5.0
Remark : Refer Parameter of Holding Pond1 sampling must be compared with the EIA regulation but the cooling water of this area is : discharged into Klong1 that is irrigation canal. Thus, this sampling must compare with the irrigation standard : and frequency 1 time/month.					

รับรองโดย สำนักบริหารมลพิษ
 กรุงเทพมหานคร
 Analyzed by AUSTIA-CHK CHEMICAL CO LTD
 Certified Laboratory No. 3-022

ภาคผนวก 3

เอกสารขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ที่ได้รับการขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม
ของบริษัท คิวริต-จีเค เคมีคอล จำกัด



ที่ อภ ๐๓๑๐(๑)/ ๓ ๑ ๑ ๑

กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ เขตราชเทวี
กรุงเทพมหานคร ๑๐๕๐๐

๒๖ กุมภาพันธ์ ๒๕๖๓

เรื่อง ต่ออายุหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

เรียน กรรมการผู้จัดการ บริษัท สุริยะ-จีเค เคมีคอล จำกัด

อ้างถึง คำขอขึ้นทะเบียนต่ออายุ/เปลี่ยนแปลงบุคลากร และขอสมัครสมาชิกของห้องปฏิบัติการวิเคราะห์เอกชน
ลงวันที่ ๑๑ พฤศจิกายน ๒๕๖๒

สิ่งที่ส่งมาด้วย เอกสารแนบท้ายหนังสือรับต่ออายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
บริษัท สุริยะ-จีเค เคมีคอล จำกัด จำนวน ๒ แผ่น

ตามหนังสือที่อ้างถึง บริษัท สุริยะ-จีเค เคมีคอล จำกัด ขอต่ออายุหนังสือขึ้นทะเบียน
ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๐๒๒ สถานที่ตั้งเลขที่ ๔๖๐ หมู่ที่ ๑๗ นิคมอุตสาหกรรมบางพลี
ตำบลบางเสาธง อำเภอบางเสาธง จังหวัดสมุทรปราการ ต่อกรมโรงงานอุตสาหกรรม นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ได้บริษัท สุริยะ-จีเค เคมีคอล จำกัด ต่ออายุหนังสือ
รับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน โดยมีองค์ประกอบดังนี้

- ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์
นาง อักษรินทร์ ทองเยี่ยม ทะเบียนเลขที่ ๖-๐๒๒-ค-๔๓๑๑
- ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์
นางรุ่งรัตน์ สงศรี ทะเบียนเลขที่ ๖-๐๒๒-จ-๕๗๑๓
- ค. ขอบข่ายสารเคมีที่ได้รับขึ้นทะเบียนให้วิเคราะห์ในน้ำเสีย จำนวน ๒๗ รายการ

ตามสิ่งที่ส่งมาด้วย
หนังสือฉบับนี้จะหมดอายุในวันที่ ๘ กุมภาพันธ์ ๒๕๖๖ หากประสงค์ต่ออายุหนังสือ
รับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ให้ยื่นคำขอต่ออายุพร้อมเอกสารประกอบคำขอต่อ
กรมโรงงานอุตสาหกรรมภายใน ๓๐ วัน ก่อนวันสิ้นสุดอายุของหนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
ซึ่งคำขอต่ออายุดังกล่าวขอรับได้ที่กรมโรงงานอุตสาหกรรม

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ



กองวิจัยและเตือนภัยมลพิษโรงงาน
กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบมลพิษและทะเบียนห้องปฏิบัติการ
โทร. ๐ ๒๒๐๒ ๔๑๔๖ ๐ ๒๒๐๒ ๔๐๐๒
โทรสาร ๐ ๒๓๔๔ ๓๒๐๐ ๐ ๒๓๔๔ ๓๔๑๕

ผู้ควบคุมการวิจัยและเตือนภัยมลพิษโรงงาน
ปฏิบัติการตามแผนปฏิบัติการป้องกันและลดผลกระทบจากมลพิษ

เอกสารแนบท้ายหนังสือรับต่ออายุขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
บริษัท สุริยะ-จีเค เคมีคอล จำกัด เลขทะเบียน ๖-๐๒๒
ที่ อภ ๐๓๑๐(๑)/ ๓ ๑ ๑ ๑ ลงวันที่ ๒๖ กุมภาพันธ์ ๒๕๖๓

ขอช่วยสารเคมีที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๒๗ รายการ
น้ำเสีย จำนวน ๒๗ รายการ

ลำดับที่	สารเคมี	วิธีวิเคราะห์
1	Arsenic	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[2]
2	Barium	Digestion, Direct Nitrous Oxide-Acetylene Flame Method ^[2]
3	Biochemical Oxygen Demand	5-Day BOD Test, Membrane Electrode Method ^[2]
4	Cadmium	Digestion, Direct Air-Acetylene Flame Method ^[2]
5	Chemical Oxygen Demand	Closed Reflux, Colorimetric Method ^[2]
6	Chromium	Digestion, Direct Air-Acetylene Flame Method ^[2]
7	Color	ADMI Weighted-Ordinate Spectrophotometric Method ^[2]
8	Copper	Digestion, Direct Air-Acetylene Flame Method ^[2]
9	Cyanide	Distillation, Titrimetric Method ^[2]
10	Formaldehyde	Distillation, Colorimetric Method ^[1]
11	Free Chlorine	Iodometric Method ^[2]
12	Hexavalent Chromium	Filtration, Colorimetric Method ^[2]
13	Lead	Digestion, Direct Air-Acetylene Flame Method ^[2]
14	Manganese	Digestion, Direct Air-Acetylene Flame Method ^[2]
15	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^[2]
16	Nickel	Digestion, Direct Air-Acetylene Flame Method ^[2]
17	Oil & Grease	Soxhlet Extraction Method ^[2]
18	pH	Electrometric Method ^[2]
19	Phenols	Distillation, Chloroform Extraction Method ^[2]
20	Selenium	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[2]

21 Sulfide...

และขอเป็นห้องปฏิบัติการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
21	Sulfide	Iodometric Method ^[2]
22	Temperature	Laboratory and Field Method ^[2]
23	Total Dissolved Solids	Dried at 180°C ^[2]
24	Total Kjeldahl Nitrogen	Macro-Kjeldahl, Titrimetric Method ^[2]
25	Total Suspended Solids	Dried at 103-105°C ^[2]
26	Trivalent Chromium	Digestion, Direct Air-Acetylene Flame, Colorimetric Method; Calculation ^[2]
27	Zinc	Digestion, Direct Air-Acetylene Flame Method ^[2]

เอกสารอ้างอิง

- สมาคมวิศวกรรมสิ่งแวดล้อมแห่งประเทศไทย. คู่มือวิเคราะห์น้ำเสีย. พิมพ์ครั้งที่ 2. กรุงเทพฯ: เรือนแก้วการพิมพ์, 2535
- APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 22nded. Washington, DC: APHA, 2012

51

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ผู้ควบคุมการ

ภาคผนวก 3ฐ

ผลการวิเคราะห์คุณภาพน้ำทิ้ง จากบ่อกักน้ำทิ้ง

Customer Name : Klonghuang Utilities Company Limited
Attention: K. Tawatchai
Project :

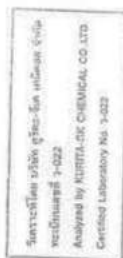
KURITA-GK CHEMICAL CO., LTD.
460 Moo 17 Bangphli Industrial Estate
Bangsaothong, Bangsaophong district, Samutprakarn 10570
Tel (66)2-215-2300 Fax. (66)2-215-2301-2



WASTE WATER ANALYSIS REPORT

[illegible]

Remark : Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .
: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,
: Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



Report results refer to submitted sample(s)

Manager:

Sale representative



Customer Name : Klongluang Utilities Company Limited
Attention: K. Tawatchai
Project :

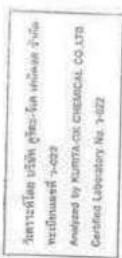
KURITA-CK CHEMICAL CO., LTD.
460 Moo 17 Bangphi Industrial Estate
Bangsothong, Bangsothong district, Samutprakarn 10570
Tel. (66)2-315-2300 Fax. (66)2-315-2310-1,2



WASTE WATER ANALYSIS REPORT

[illegible]

Remark : Refer Parameter of Retention Pond sampling must be compared with the EIA regulation 1996.
: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,
: Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



Report results refer to submitted sample(s) only

Manager:

Sale representative:

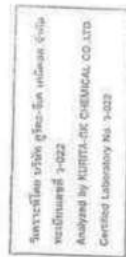


Customer Name : Klongtuang Utilities Company Limited
Attention: K. Tawatchai
Project :
KURITA-GK CHEMICAL CO., LTD.
460 Moo 17 Bangphli Industrial Estate
Bangsoonthong, Bangsoonthong district, Samutprakarn 10570
Tel (66)2-315-23100 Fax. (66)2-315-23101-2

WASTE WATER ANALYSIS REPORT

[illegible]

Remark : Refer Parameter of Holding Pond3 sampling must be compared with the Effluent standards of Irrigation Department
: and frequency 1 time/ week.



port results refer to submitted sample(s) only

Sale representative:



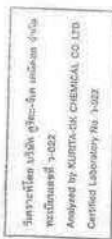
Customer Name : Klongluang Utilities Company Limited
Attention: K. Tawatchai
Project :

KURITA-CK CHEMICAL CO., LTD.
460 Moo 17 Banggihl Industrial Estate
Bangsaengbong, Bangsaengbong district, Samutprakarn 10570
Tel. (66)2-315-2300 Fax. (66)2-315-2301-e2

WASTE WATER ANALYSIS REPORT

[illegible]

Remark : Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .
 : This sampling must compare with Notification of the Ministry of Industry, Issue /1996,
 : Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



Report results refer to submitted sample(s) only.

Sale representative:



<p>Customer Name : Klongluang Utilities Company Limited</p> <p>Attention: K. Tawatchai</p> <p>Project :</p>	<p>KURITA-GK CHEMICAL CO., LTD.</p> <p>460 Moo 17 Bangphli Industrial Estate</p> <p>Bangsaothong, Bangsaopongthong district, Samutprakarn 10570</p> <p>Tel. (66)2-231152-2310 Fax. (66)2-231152-2311</p> 
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WASTE WATER ANALYSIS REPORT

[illegible]

Remark : Refer Parameter of Retention Pond sampling must be compared with the EIA regulation

: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,

: Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



Report results refer to submitted sample(s) only

Manager:



Report results refer to submitted sample(s) only

Sale representative:

<p>Customer Name : Klongluang Utilities Company Limited</p> <p>Attention: K. Tawatchai</p> <p>Project :</p>	<p>KURITA-GK CHEMICAL CO., LTD.</p> <p>460 Moo 17 Bangphli Industrial Estate</p> <p>Bangsasongkhro, Bangsaphong district, Samutprakarn 10570</p> <p>Tel (66)2-3152300 Fax. (66)2-3152301-2</p> 
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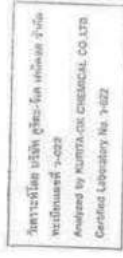
WASTE WATER ANALYSIS REPORT

[illegible]

Remark : Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .

: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,

: Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



Manager:



Sale representative:

ภาคผนวก 3๓

บันทึกปริมาณจราจรที่เข้า-ออกพื้นที่โครงการ

สรุปยอด เดือน ม.ค.65

รายเดือน
831

สรุปยอด เดือน ก.พ.65

วันที่	จักรยานยนต์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บ้านทุก4ล้อ	บ้านทุก6ล้อ	บ้านทุก10ล้อ	เกิน10ล้อ	รถยก
1	7	10	12	1	11					
2	6	13	7	1	10			1		
3	5	7	7	2	7					
4	3	7	8	4	8					
5	4	3	3	1	4					
6	1	5	3	3	8					
7	5	9	10	4	12			1		
8	3	8	10	4	9					
9	3	12	11	1	8					
10	4	8	10	2	10					
11	4	10	6	3	10					
12	2	7	1		8					
13	1	5	1		8					
14	4	11	9	3	8			2		
15	5	9	8	2	8					
16	3	2	2	2	5					
17	4	10	6	6	10					
18	4	13	6	7	7					
19		5	1	1	5					
20	4	1	2	6						
21	4	10	11	2	10					
22	4	10	8	3	9		1			
23	5	13	7	2	13					
24	5	8	9	3	12		1	1	1	
25	5	8	8	4	10			1		
26	1	3	4	1	5					
27	1	3	4	3	6					
28	3	11	8	2	9					
รวม	100	221	182	73	230	0	2	6		

สรุปยอด เดือน มี.ค.65

วันที่	จักรยานยนต์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บ้านทุก4ล้อ	บ้านทุก6ล้อ	บ้านทุก10ล้อ	เกิน10ล้อ	รถยก
1	3	5	6	4	13					
2	3	11	9	3	11					
3	4	8	9	5	11					
4	3	9	7	3	8			1		
5	2	7	1	1	5					
6	5	6	5	2	6					
7	5	14	12	1	9					
8	4	8	6	1	9			1		
9	5	12	9	1	10					
10	4	14	8	2	8					
11	3	11	8	2	14			1		
12	2	3	6	1	6					
13	3	2	4	1	6					
14	4	11	9	3	12					
15	5	6	8	2	10					
16	5	7	10	2	10					
17	5	6	11	3	12	1		1		
18	6	4	5	3	10	1		2		
19	3	10	2	1	8					
20	4	4	8	2	7					
21	6	8	11	3	9		1			
22	5	4	7	4	7					
23	5	6	10	3	10					
24	3	3	7	8	9					
25	2	8	8	3	9					
26	2	7	3	2	5					
27	2	3	6	2	5					
28	5	8	9	3	8					
	4	4	9	4	10					
	3	6	8	4	8					
	4	9	7	4	12					
รวม	119	224	228	83	277	2	1	6		

สรุปยอด เดือน เม.ย.65

วันที่		จักรยานยนต์	รถเก๋ง	กระบะ	รถ SUV	รถตุ้	บ้านทุก4ล้อ	บ้านทุก6ล้อ	บ้านทุก10ล้อ	เกิน10ล้อ	รถยก
1		4	7	13	6	9			1		
2				1	3	1	6				
3		1	4	2	1	8					
4		4	8	13	5	9					
5		6	8	7	5	12					
6		5	3	2	5						
7		4	10	12	4	12					
8		3	6	8	4	10		1			
9		2	4	4	1	8					
10		2	5	4		7					
11		5	8	5	1	10			1		
12		5	3	6	3	10					
13		2	2	2		6					
14		2	2		5						
15		2	3	1	2	7					
16		4	2	2	5						
17		2	1	1	5						
18		4	11	7	5	9			1		
19		5	7	6	3	10					
20		4	5	8	3	12	1		1		
21		5	5	3	10		1				
22		5	7	6	3	8	1				
23		2	7	4		6	1				
24		14	7	1	4						
25		6	9	8	3	11					
26		5	4	7	2	12					
27		3	8	5	4	12					
28		3	9	8	3	11					
29		3	8	5	2	8					
30		2	2			3					
											รายเดือน
รวม		114	165	151	97	211	10	1	4		753

สรุปยอด เดือน มี.ค.65

วันที่	จักรยานยนต์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บ้านทุก4ล้อ	บ้านทุก6ล้อ	บ้านทุก10ล้อ	เกิน10ล้อ	รถยนต์
1	3	5	6	4	13					
2	3	11	9	3	11					
3	4	8	9	5	11					
4	3	9	7	3	8			1		
5	2	7	1	1	5					
6	5	6	5	2	6					
7	5	14	12	1	9					
8	4	8	6	1	9			1		
9	5	12	9	1	10					
10	4	14	8	2	8					
11	3	11	8	2	14			1		
12	2	3	6	1	6					
13	3	2	4	1	6					
14	4	11	9	3	12					
15	5	6	8	2	10					
16	5	7	10	2	10					
17	5	6	11	3	12	1		1		
18	6	4	5	3	10	1		2		
19	3	10	2	1	8					
20	4	4	8	2	7					
21	6	8	11	3	9		1			
22	5	4	7	4	7					
23	5	6	10	3	10					
24	3	3	7	8	9					
25	2	8	8	3	9					
26	2	7	3	2	5					
27	2	3	6	2	5					
28	5	8	9	3	8					
	4	4	9	4	10					
	3	6	8	4	8					
	4	9	7	4	12					
รวม	119	224	228	83	277	2	1	6		
รายเดือน										
940										

สรุปยอด เดือน มิ.ย.65

วันที่	จักรยานยนต์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บ้านทุก4ล้อ	บ้านทุก6ล้อ	บ้านทุก10ล้อ	เกิน10ล้อ	รถยก
1	4	9	12	3	9					
2	4	9	8	3	7					
3	3	4	1	2	5			1		
4	1	3	1	2	3			1		
5	3	2	3	5						
6	3	8	11	2	10					
7	2	5	11	4	11			1		
8	5	4	11	2	8			1		
9	2	2	10	2	10			1		
10	1	10	9	2	11		1	3	1	
11	2	2		1	6					
12	2	3			8					
13	6	7	8	1	8					
14	4	1	6	1	10					
15	2	4	9	5	10					
16	3	6	14	3	14				2	2
17	2	6	8	3	11					
18	3	2	4	1	5					
19	3	1		6						
20	2	7	13	6	7					
21	3	5	8	2	8					
22	4	6	7	2	7					
23	2	6	8	2	7					
24	3	7	12	2	9					
25	1	9	6		6					
26	1	7	2		7					
27	4	12	9	2	8					
28	4	8	12	3	10					
29	5	4	7	3	11		2			
30	4	7	6	1	12					
รวม	88	166	216	71	238	0	3	8		

ภาคผนวก 3ต

บันทึกปริมาณขยะทั่วไป



รายงานขยะทั่วไปของโรงไฟฟ้าคลองหลวง

ประจำเดือน ...สิงหาคม 65...

อาคาร CCB ชั้น 1,2,3 ที่ทำการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	รวม (กก.)
ขยะเปียก	.5	1	.5	1	1	1.5	1	1	.5	1	1.5	2	1	1.5	.5	1	1	1.5	1	2	1	1	1	1.5	1	1	2	1	1	1	1	31.5
ขยะแห้ง	1	1	1	1	1.5	1	1	1	1	1	2	1.5	.5	1	2	1	1	1	1	1	1	1	2	1	1.5	1	1	2	1.5	1	2	37.5
ขยะ Recycle					2										3							3						2			1	11

อาคาร Demin Plant และ อาคาร รปภ.

ขยะเปียก	1	1	1	1	1	1	1.5	.5	.5	.5	1	1	1.5	1	1	1.5	1	.5	.5	.5	1	1.5	1	1	1	.5	.5	1	.5	1	2	29.5
ขยะแห้ง	1	1	2	1	2	1	2	1	1	1	1	1	2	.5	.5	1	1	1	1	1	.5	1	2	1	1.5	1	1	.5	.5	1	1	34
ขยะ Recycle						2							1									2								3	10	
รวมน้ำหนักทั้งหมด																														กก.	156.5	

หมายเหตุ: เทศบาลเมืองคลองหลวงมาจัดเก็บ



รายงานขยะทั่วไปของโรงไฟฟ้าคลองหลวง

ประจำเดือน ...กุมภาพันธ์ 65...

อาคาร CCB ชั้น 1,2,3 ที่ทำการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	รวม (กก.)
ขยะเปียก	1	1	2	1	.5	.5	2	1	1.5	1	2	1	.5	1	1.5	.5	2	2	1	1	1.5	1	2	2.5	1	.5	.5	1				34
ขยะแห้ง	1	1	4	2	1	1	2	1	1	1	1	1.5	1	1	1	1	1	1	1	1.5	1	1	1	2	1	1	.5	1				34.5
ขยะ Recycle						2									1.5						1		2									6.5

อาคาร Demin Plant และ อาคาร รปภ.

ขยะเปียก	1	1	1	1	.5	1	1	1.5	1.5	1	1	.5	.5	1	1	.5	1	1	.5	.5	1	1	1.5	1	.5	.5	1	1				25.5
ขยะแห้ง	1	1	1	1.5	1	2	1	1	2	1	1	1	1	1	.5	1	1	1	1	1.5	1	1	1	2	1	1	1	2				32.5
ขยะ Recycle						1									2						1						3					7
รวมน้ำหนักทั้งหมด																														กก.	140	

หมายเหตุ: เทศบาลเมืองคลองหลวงมาจัดเก็บ



รายงานขยะทั่วไปของโรงไฟฟ้าคลองหลวง

ประจำเดือน ... สิงหาคม ... 65

อาคาร CCB ชั้น 1,2,3 ที่ทำการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	รวม (กก.)
ขยะเปียก	2	1.5	1	1	2	1.5	2	2	1	1.5	2	1	1	1	1	1.5	1	1	2	1	2	1	1.5	2	1	2	2	1	1	1	2	24.5
ขยะแห้ง	1	2	2	1	1	2	1	1.5	1	1	1	1	1	2	1	1	2	2	1	2	1	1	1	1	2	2	1	1	1	2	1	41.5
ขยะ Recycle			1						1					3								2							1			8

อาคาร Demin Plant และ อาคาร รปภ.

ประเภทของเสีย	1	1	1	1.5	.5	.5	2	1	1	1.5	1	1	.5	1	2	1	1.5	1	.5	1	1	2	1	1	1.5	1	1	1	2	1	1.5	35.5
ขยะเปียก	1	1	1	1.5	.5	.5	2	1	1	1.5	1	1	.5	1	2	1	1.5	1	.5	1	1	2	1	1	1.5	1	1	1	2	1	1.5	35.5
ขยะแห้ง	2	1	1.5	1	1	1	1	1	2	1	1	1	.5	1	1.5	1	1	1	.5	.5	1	1	1	1.5	1	1	1	2	1	1	1	34
ขยะ Recycle				2							1						1							2								6
รวมน้ำหนักทั้งหมด																															กก.	169

หมายเหตุ: เทศบาลเมืองคลองหลวงมาจัดเก็บ



รายงานขยะทั่วไปของโรงไฟฟ้าคลองหลวง

ประจำเดือน .. มีนาคม 47 2564

อาคาร CCB ชั้น 1,2,3 ที่ทำการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	รวม (KG.)
ขยะเปียก	2	1	.5	1	1.5	.5	1	1	.5	.5	2	2	.5	.5	.5	.5	.5	2	1	1.5	1	2	1	.5	2	2	1.5	1	1	1	-	33.5
ขยะแห้ง	1	1	1	1	2	1	.5	1	1	1	1	1.5	1	1	1	1	.5	1	2	1	1	1	1	1	1.5	1	1	.5	1.5	1	-	32
ขยะ Recycle					2						2					1						2							1		-	8

อาคาร Demin Plant และ อาคาร รปภ.

ขยะเปียก	1	1	1	1	1.5	1	1	.5	.5	.5	1	1.5	1	1	1	1	1	1	.5	.5	.5	.5	1	1	1	1.5	1	1	.5	-	27.5	
ขยะแห้ง	1	1	1	1.5	2	1	1	1	1	.5	1	1	1	1	1	.5	.5	.5	1	1	.5	1	1	.5	.5	1	1	2	1	1	-	39
ขยะ Recycle				1							2							1						1						-	5	
รวมน้ำหนักทั้งหมด																														KG.	135	

หมายเหตุ: เทศบาลเมืองคลองหลวงมาจัดเก็บ



รายงานขยะทั่วไปของโรงไฟฟ้าคลองหลวง

ประจำเดือน ...พฤษภาคม 65

อาคาร CCB ชั้น 1,2,3 ที่ทำการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	รวม (กก.)
ขยะเปียก	1	1	1.5	1	1.5	2	1	1	1	2	1	3.5	1	.5	.5	1	1	2	1	1.5	2	1	1	1.5	2	1	1	1	1	2	.5	40
ขยะแห้ง	1	1	2	.5	2	1	2	1	1	1.5	1	2	1	.5	.5	2	1	1.5	1	1	1	.5	2	1	1.5	1	2	.5	.5	1	1	36.5
ขยะ Recycle						1									2							1							2			6

อาคาร Demin Plant และ อาคาร รปภ.

ขยะเปียก	1	1	1	.5	1	1	.5	.5	1	1	1	.5	.5	.5	.5	.5	1	1	2	1	.5	.5	1	.5	.5	1	1	.5	.5	1	1	25
ขยะแห้ง	1	1	.5	1	1	1	1	1	.5	.5	1	1	1	1	.5	.5	1	.5	1	1	.5	.5	1	1	.5	.5	1	1	1	.5	1	25.5
ขยะ Recycle					1										1.5									1						1	4.5	
รวมน้ำหนักทั้งหมด																														กก.	137.5	

หมายเหตุ: เทศบาลเมืองคลองหลวงมาจัดเก็บ



รายงานขยะทั่วไปของโรงไฟฟ้าคลองหลวง

ประจำเดือน ...มิถุนายน 2565

อาคาร CCB ชั้น 1,2,3 ที่ทำการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	รวม (กก.)
ขยะเปียก	5	2	1	.5	.5	3	4	2	2	1.5	1	1	2	1	1.5	1	2	2	2.5	1	.5	.5	1	1	1.5	1	2	1	1	1		17
ขยะแห้ง	3	1	1	1	1.5	2	2	1.5	1	1	1	1	1	1	1	2	1.5	1	2	1	1	1	1	1	1	1.5	1	.5	.5	1		37
ขยะ Recycle					2							2.5										3							1			8.5

อาคาร Demin Plant และ อาคาร รปภ.

ขยะเปียก	1	1	.5	.5	.5	1	1.5	2	1	1	.5	.5	1.5	1	2	1	.5	.5	1	2	1	1	1.5	1	1	1	2	1.5	.5	1.5		32.5
ขยะแห้ง	1	1	1	1	1.5	1	.5	1	.5	.5	1	1	1	.5	1	.5	1	1	.5	1	.5	.5	1	1	.5	1	1	1	1	1	1	26
ขยะ Recycle					1												1												3		9	
รวมน้ำหนักทั้งหมด																													160			

หมายเหตุ: เทศบาลเมืองคลองหลวงมาจัดเก็บ