

ภาคผนวก



ภาคผนวก ก

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



ภาคผนวก ก-1

ผลการติดตามตรวจสอบคุณภาพอากาศในบรรยากาศ



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100256
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0001 - T23AW662-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			สถานีวิจัยเกษตรธรรมชาติ		
			* T23AW662-0001	** T23AW662-0002	*** T23AW662-0003
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.037	0.031	0.059
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.019	0.016	0.040
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 10:00 HOUR ON NOVEMBER 4, 2023 TO 10:00 HOUR ON NOVEMBER 5, 2023.
** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 5, 2023 TO 10:00 HOUR ON NOVEMBER 6, 2023.
*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 6, 2023 TO 10:00 HOUR ON NOVEMBER 7, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***, ****
SAMPLING TIME : *, **, ***, ****
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100257
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0004 - T23AW662-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			สถานีวิจัยเกษตรธรรมชาติราชว			
			*	**	***	****
			T23AW662-0004	T23AW662-0005	T23AW662-0006	T23AW662-0007
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.055	0.042	0.040	0.033
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.031	0.025	0.026	0.023
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 10:00 HOUR ON NOVEMBER 7, 2023 TO 10:00 HOUR ON NOVEMBER 8, 2023.
** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 8, 2023 TO 10:00 HOUR ON NOVEMBER 9, 2023.
*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 9, 2023 TO 10:00 HOUR ON NOVEMBER 10, 2023.
**** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 10, 2023 TO 10:00 HOUR ON NOVEMBER 11, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : สถานีวิจัยเกษตรครีราชา
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100744
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0001 - T23AW662-0007

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	สถานีวิจัยเกษตรครีราชา		
	NOVEMBER 4-5, 2023 T23AW662-0001	NOVEMBER 5-6, 2023 T23AW662-0002	NOVEMBER 6-7, 2023 T23AW662-0003
08:00-09:00 HOUR	0.0166	0.0157	0.0176
09:00-10:00 HOUR	0.0172	0.0161	0.0166
10:00-11:00 HOUR	0.0169	0.0174	0.0180
11:00-12:00 HOUR	0.0161	0.0187	0.0173
12:00-13:00 HOUR	0.0186	0.0169	0.0179
13:00-14:00 HOUR	0.0174	0.0168	0.0175
14:00-15:00 HOUR	0.0164	0.0175	0.0187
15:00-16:00 HOUR	0.0166	0.0180	0.0173
16:00-17:00 HOUR	0.0177	0.0165	0.0186
17:00-18:00 HOUR	0.0178	0.0186	0.0178
18:00-19:00 HOUR	0.0179	0.0183	0.0170
19:00-20:00 HOUR	0.0169	0.0171	0.0158
20:00-21:00 HOUR	0.0152	0.0154	0.0147
21:00-22:00 HOUR	0.0143	0.0147	0.0162
22:00-23:00 HOUR	0.0153	0.0141	0.0152
23:00-00:00 HOUR	0.0148	0.0145	0.0153
00:00-01:00 HOUR	0.0137	0.0151	0.0157
01:00-02:00 HOUR	0.0146	0.0148	0.0148
02:00-03:00 HOUR	0.0147	0.0136	0.0151
03:00-04:00 HOUR	0.0142	0.0157	0.0151
04:00-05:00 HOUR	0.0149	0.0161	0.0140
05:00-06:00 HOUR	0.0136	0.0152	0.0140
06:00-07:00 HOUR	0.0152	0.0147	0.0160
07:00-08:00 HOUR	0.0154	0.0156	0.0165



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	สถานีวิจัยเกษตรธรรมชาติ			
	NOVEMBER 7-8, 2023 T23AW662-0004	NOVEMBER 8-9, 2023 T23AW662-0005	NOVEMBER 9-10, 2023 T23AW662-0006	NOVEMBER 10-11, 2023 T23AW662-0007
08:00-09:00 HOUR	0.0172	0.0160	0.0182	0.0165
09:00-10:00 HOUR	0.0187	0.0177	0.0173	0.0186
10:00-11:00 HOUR	0.0183	0.0184	0.0184	0.0183
11:00-12:00 HOUR	0.0165	0.0182	0.0177	0.0172
12:00-13:00 HOUR	0.0181	0.0161	0.0176	0.0165
13:00-14:00 HOUR	0.0192	0.0188	0.0183	0.0170
14:00-15:00 HOUR	0.0170	0.0169	0.0173	0.0177
15:00-16:00 HOUR	0.0169	0.0162	0.0176	0.0175
16:00-17:00 HOUR	0.0184	0.0166	0.0193	0.0177
17:00-18:00 HOUR	0.0181	0.0185	0.0188	0.0179
18:00-19:00 HOUR	0.0156	0.0166	0.0164	0.0166
19:00-20:00 HOUR	0.0178	0.0145	0.0146	0.0158
20:00-21:00 HOUR	0.0149	0.0162	0.0165	0.0140
21:00-22:00 HOUR	0.0137	0.0152	0.0152	0.0160
22:00-23:00 HOUR	0.0142	0.0141	0.0146	0.0159
23:00-00:00 HOUR	0.0154	0.0145	0.0145	0.0142
00:00-01:00 HOUR	0.0147	0.0146	0.0162	0.0151
01:00-02:00 HOUR	0.0150	0.0148	0.0148	0.0153
02:00-03:00 HOUR	0.0147	0.0151	0.0148	0.0141
03:00-04:00 HOUR	0.0161	0.0146	0.0161	0.0163
04:00-05:00 HOUR	0.0155	0.0152	0.0158	0.0154
05:00-06:00 HOUR	0.0148	0.0145	0.0137	0.0157
06:00-07:00 HOUR	0.0147	0.0160	0.0161	0.0178
07:00-08:00 HOUR	0.0148	0.0169	0.0165	0.0168



(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : สถานีวิจัยเกษตรธรรมชาติ
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : NOVEMBER 4-11, 2023
MEASURING DATE : NOVEMBER 4-11, 2023 **ANALYTICAL DATE** : NOVEMBER 4-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U100753
MEASURING METHOD : UV FLUORESCENCE **WORK NO.** : 2022-006185
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T23AW662-0001 - T23AW662-0007

เวลา *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	สถานีวิจัยเกษตรธรรมชาติ		
	NOVEMBER 4-5, 2023 T23AW662-0001	NOVEMBER 5-6, 2023 T23AW662-0002	NOVEMBER 6-7, 2023 T23AW662-0003
08:00-09:00 HOUR	0.0025	0.0025	0.0024
09:00-10:00 HOUR	0.0025	0.0023	0.0025
10:00-11:00 HOUR	0.0026	0.0024	0.0024
11:00-12:00 HOUR	0.0025	0.0024	0.0024
12:00-13:00 HOUR	0.0025	0.0023	0.0023
13:00-14:00 HOUR	0.0026	0.0025	0.0023
14:00-15:00 HOUR	0.0026	0.0024	0.0025
15:00-16:00 HOUR	0.0025	0.0023	0.0025
16:00-17:00 HOUR	0.0026	0.0024	0.0024
17:00-18:00 HOUR	0.0025	0.0024	0.0025
18:00-19:00 HOUR	0.0025	0.0025	0.0024
19:00-20:00 HOUR	0.0024	0.0024	0.0025
20:00-21:00 HOUR	0.0023	0.0023	0.0025
21:00-22:00 HOUR	0.0024	0.0025	0.0024
22:00-23:00 HOUR	0.0023	0.0025	0.0025
23:00-00:00 HOUR	0.0024	0.0025	0.0023
00:00-01:00 HOUR	0.0024	0.0025	0.0023
01:00-02:00 HOUR	0.0023	0.0025	0.0023
02:00-03:00 HOUR	0.0024	0.0024	0.0025
03:00-04:00 HOUR	0.0023	0.0023	0.0025
04:00-05:00 HOUR	0.0023	0.0025	0.0023
05:00-06:00 HOUR	0.0024	0.0024	0.0023
06:00-07:00 HOUR	0.0025	0.0023	0.0023
07:00-08:00 HOUR	0.0025	0.0023	0.0025
AVERAGE 24 HOUR	0.0025	0.0024	0.0024



เวลา *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	สถานีวิจัยเกษตรศรีราชา			
	NOVEMBER 7-8, 2023 T23AW662-0004	NOVEMBER 8-9, 2023 T23AW662-0005	NOVEMBER 9-10, 2023 T23AW662-0006	NOVEMBER 10-11, 2023 T23AW662-0007
08:00-09:00 HOUR	0.0027	0.0025	0.0023	0.0025
09:00-10:00 HOUR	0.0025	0.0023	0.0025	0.0023
10:00-11:00 HOUR	0.0026	0.0024	0.0023	0.0025
11:00-12:00 HOUR	0.0023	0.0023	0.0023	0.0023
12:00-13:00 HOUR	0.0024	0.0025	0.0023	0.0024
13:00-14:00 HOUR	0.0025	0.0024	0.0025	0.0024
14:00-15:00 HOUR	0.0023	0.0024	0.0026	0.0025
15:00-16:00 HOUR	0.0024	0.0025	0.0024	0.0024
16:00-17:00 HOUR	0.0025	0.0025	0.0023	0.0024
17:00-18:00 HOUR	0.0025	0.0023	0.0025	0.0024
18:00-19:00 HOUR	0.0025	0.0025	0.0023	0.0024
19:00-20:00 HOUR	0.0025	0.0024	0.0023	0.0025
20:00-21:00 HOUR	0.0024	0.0023	0.0025	0.0023
21:00-22:00 HOUR	0.0025	0.0024	0.0023	0.0024
22:00-23:00 HOUR	0.0023	0.0024	0.0023	0.0025
23:00-00:00 HOUR	0.0023	0.0024	0.0023	0.0023
00:00-01:00 HOUR	0.0024	0.0025	0.0025	0.0024
01:00-02:00 HOUR	0.0023	0.0023	0.0025	0.0023
02:00-03:00 HOUR	0.0022	0.0025	0.0024	0.0024
03:00-04:00 HOUR	0.0024	0.0023	0.0025	0.0024
04:00-05:00 HOUR	0.0023	0.0024	0.0024	0.0025
05:00-06:00 HOUR	0.0024	0.0024	0.0024	0.0024
06:00-07:00 HOUR	0.0023	0.0023	0.0023	0.0024
07:00-08:00 HOUR	0.0023	0.0024	0.0023	0.0025
AVERAGE 24 HOUR	0.0024	0.0024	0.0024	0.0024



(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100258
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0008 - T23AW662-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			บ้านธารอุดม		
			* T23AW662-0008	** T23AW662-0009	*** T23AW662-0010
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.069	0.050	0.068
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.030	0.026	0.031
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 4, 2023 TO 08:00 HOUR ON NOVEMBER 5, 2023.
** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 5, 2023 TO 08:00 HOUR ON NOVEMBER 6, 2023.
*** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 6, 2023 TO 08:00 HOUR ON NOVEMBER 7, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * * * * *
SAMPLING TIME : * * * * *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100259
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0011 - T23AW662-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			บ้านฉางอุตสาหกรรม			
			* T23AW662-0011	** T23AW662-0012	*** T23AW662-0013	**** T23AW662-0014
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.064	0.071	0.073	0.045
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.047	0.040	0.057	0.030
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 7, 2023 TO 08:00 HOUR ON NOVEMBER 8, 2023.
** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 8, 2023 TO 08:00 HOUR ON NOVEMBER 9, 2023.
*** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 9, 2023 TO 08:00 HOUR ON NOVEMBER 10, 2023.
**** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 10, 2023 TO 08:00 HOUR ON NOVEMBER 11, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บ้านอ่าวอุดม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100745
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0008 - T23AW662-0014

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	บ้านอ่าวอุดม		
	NOVEMBER 4-5, 2023 T23AW662-0008	NOVEMBER 5-6, 2023 T23AW662-0009	NOVEMBER 6-7, 2023 T23AW662-0010
08:00-09:00 HOUR	0.0225	0.0226	0.0204
09:00-10:00 HOUR	0.0225	0.0215	0.0221
10:00-11:00 HOUR	0.0212	0.0223	0.0220
11:00-12:00 HOUR	0.0212	0.0221	0.0225
12:00-13:00 HOUR	0.0222	0.0221	0.0226
13:00-14:00 HOUR	0.0222	0.0216	0.0216
14:00-15:00 HOUR	0.0218	0.0219	0.0207
15:00-16:00 HOUR	0.0218	0.0219	0.0211
16:00-17:00 HOUR	0.0209	0.0224	0.0213
17:00-18:00 HOUR	0.0213	0.0217	0.0221
18:00-19:00 HOUR	0.0211	0.0226	0.0218
19:00-20:00 HOUR	0.0201	0.0209	0.0205
20:00-21:00 HOUR	0.0203	0.0203	0.0187
21:00-22:00 HOUR	0.0202	0.0187	0.0186
22:00-23:00 HOUR	0.0191	0.0190	0.0188
23:00-00:00 HOUR	0.0201	0.0183	0.0188
00:00-01:00 HOUR	0.0183	0.0197	0.0189
01:00-02:00 HOUR	0.0175	0.0188	0.0174
02:00-03:00 HOUR	0.0189	0.0200	0.0196
03:00-04:00 HOUR	0.0205	0.0174	0.0199
04:00-05:00 HOUR	0.0205	0.0208	0.0204
05:00-06:00 HOUR	0.0217	0.0211	0.0207
06:00-07:00 HOUR	0.0219	0.0213	0.0209
07:00-08:00 HOUR	0.0212	0.0213	0.0226



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	บ้านฉางอุตสาหกรรม			
	NOVEMBER 7-8, 2023 T23AW662-0011	NOVEMBER 8-9, 2023 T23AW662-0012	NOVEMBER 9-10, 2023 T23AW662-0013	NOVEMBER 10-11, 2023 T23AW662-0014
08:00-09:00 HOUR	0.0226	0.0207	0.0210	0.0179
09:00-10:00 HOUR	0.0216	0.0206	0.0216	0.0199
10:00-11:00 HOUR	0.0208	0.0211	0.0217	0.0210
11:00-12:00 HOUR	0.0213	0.0219	0.0226	0.0211
12:00-13:00 HOUR	0.0203	0.0211	0.0210	0.0207
13:00-14:00 HOUR	0.0228	0.0208	0.0219	0.0217
14:00-15:00 HOUR	0.0211	0.0216	0.0215	0.0215
15:00-16:00 HOUR	0.0223	0.0217	0.0206	0.0219
16:00-17:00 HOUR	0.0223	0.0221	0.0217	0.0219
17:00-18:00 HOUR	0.0209	0.0219	0.0217	0.0228
18:00-19:00 HOUR	0.0194	0.0210	0.0221	0.0223
19:00-20:00 HOUR	0.0175	0.0200	0.0207	0.0218
20:00-21:00 HOUR	0.0187	0.0196	0.0195	0.0218
21:00-22:00 HOUR	0.0172	0.0190	0.0184	0.0211
22:00-23:00 HOUR	0.0175	0.0190	0.0189	0.0195
23:00-00:00 HOUR	0.0181	0.0175	0.0174	0.0186
00:00-01:00 HOUR	0.0167	0.0187	0.0175	0.0179
01:00-02:00 HOUR	0.0205	0.0193	0.0172	0.0196
02:00-03:00 HOUR	0.0191	0.0179	0.0195	0.0209
03:00-04:00 HOUR	0.0169	0.0205	0.0198	0.0173
04:00-05:00 HOUR	0.0198	0.0177	0.0199	0.0173
05:00-06:00 HOUR	0.0206	0.0185	0.0177	0.0196
06:00-07:00 HOUR	0.0187	0.0190	0.0176	0.0169
07:00-08:00 HOUR	0.0211	0.0204	0.0191	0.0203



(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บ้านอ่าวอุดม
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100754
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0008 - T23AW662-0014

เวลา *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	บ้านอ่าวอุดม		
	NOVEMBER 4-5, 2023 T23AW662-0008	NOVEMBER 5-6, 2023 T23AW662-0009	NOVEMBER 6-7, 2023 T23AW662-0010
08:00-09:00 HOUR	0.0028	0.0028	0.0027
09:00-10:00 HOUR	0.0027	0.0028	0.0028
10:00-11:00 HOUR	0.0028	0.0029	0.0026
11:00-12:00 HOUR	0.0027	0.0027	0.0029
12:00-13:00 HOUR	0.0027	0.0029	0.0028
13:00-14:00 HOUR	0.0026	0.0026	0.0028
14:00-15:00 HOUR	0.0027	0.0029	0.0028
15:00-16:00 HOUR	0.0027	0.0026	0.0029
16:00-17:00 HOUR	0.0028	0.0027	0.0028
17:00-18:00 HOUR	0.0027	0.0029	0.0029
18:00-19:00 HOUR	0.0029	0.0027	0.0027
19:00-20:00 HOUR	0.0028	0.0024	0.0028
20:00-21:00 HOUR	0.0026	0.0025	0.0027
21:00-22:00 HOUR	0.0024	0.0025	0.0025
22:00-23:00 HOUR	0.0024	0.0027	0.0026
23:00-00:00 HOUR	0.0024	0.0026	0.0026
00:00-01:00 HOUR	0.0026	0.0026	0.0024
01:00-02:00 HOUR	0.0025	0.0024	0.0027
02:00-03:00 HOUR	0.0024	0.0024	0.0024
03:00-04:00 HOUR	0.0024	0.0024	0.0025
04:00-05:00 HOUR	0.0027	0.0024	0.0026
05:00-06:00 HOUR	0.0026	0.0027	0.0026
06:00-07:00 HOUR	0.0027	0.0025	0.0024
07:00-08:00 HOUR	0.0026	0.0026	0.0026
AVERAGE 24 HOUR	0.0026	0.0026	0.0027



เวลา *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	มาตรฐานอุตสาหกรรม			
	NOVEMBER 7-8, 2023 T23AW662-0011	NOVEMBER 8-9, 2023 T23AW662-0012	NOVEMBER 9-10, 2023 T23AW662-0013	NOVEMBER 10-11, 2023 T23AW662-0014
08:00-09:00 HOUR	0.0029	0.0026	0.0027	0.0027
09:00-10:00 HOUR	0.0029	0.0028	0.0029	0.0029
10:00-11:00 HOUR	0.0029	0.0028	0.0027	0.0028
11:00-12:00 HOUR	0.0029	0.0028	0.0029	0.0029
12:00-13:00 HOUR	0.0026	0.0027	0.0029	0.0027
13:00-14:00 HOUR	0.0027	0.0029	0.0029	0.0027
14:00-15:00 HOUR	0.0026	0.0027	0.0026	0.0029
15:00-16:00 HOUR	0.0029	0.0029	0.0029	0.0027
16:00-17:00 HOUR	0.0028	0.0028	0.0026	0.0029
17:00-18:00 HOUR	0.0026	0.0026	0.0029	0.0027
18:00-19:00 HOUR	0.0025	0.0028	0.0029	0.0028
19:00-20:00 HOUR	0.0024	0.0026	0.0028	0.0026
20:00-21:00 HOUR	0.0027	0.0027	0.0027	0.0026
21:00-22:00 HOUR	0.0027	0.0024	0.0026	0.0027
22:00-23:00 HOUR	0.0027	0.0026	0.0025	0.0027
23:00-00:00 HOUR	0.0027	0.0027	0.0027	0.0024
00:00-01:00 HOUR	0.0025	0.0027	0.0027	0.0026
01:00-02:00 HOUR	0.0025	0.0024	0.0025	0.0025
02:00-03:00 HOUR	0.0024	0.0026	0.0024	0.0026
03:00-04:00 HOUR	0.0027	0.0024	0.0025	0.0026
04:00-05:00 HOUR	0.0028	0.0025	0.0026	0.0025
05:00-06:00 HOUR	0.0027	0.0024	0.0027	0.0025
06:00-07:00 HOUR	0.0026	0.0025	0.0027	0.0025
07:00-08:00 HOUR	0.0028	0.0026	0.0028	0.0026
AVERAGE 24 HOUR	0.0027	0.0026	0.0027	0.0027



(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100260
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0015 - T23AW662-0017

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			รายงานผล		
			* T23AW662-0015	** T23AW662-0016	*** T23AW662-0017
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.048	0.046	0.066
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.028	0.024	0.038
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 4, 2023 TO 09:00 HOUR ON NOVEMBER 5, 2023.
** : SAMPLING FROM 09:00 HOUR ON NOVEMBER 5, 2023 TO 09:00 HOUR ON NOVEMBER 6, 2023.
*** : SAMPLING FROM 09:00 HOUR ON NOVEMBER 6, 2023 TO 09:00 HOUR ON NOVEMBER 7, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * * * * *
SAMPLING TIME : * * * * *
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100261
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0018 - T23AW662-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			จำนวน			
			*	**	***	****
			T23AW662-0018	T23AW662-0019	T23AW662-0020	T23AW662-0021
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.049	0.061	0.077	0.051
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.032	0.039	0.038	0.031
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 7, 2023 TO 09:00 HOUR ON NOVEMBER 8, 2023.
** : SAMPLING FROM 09:00 HOUR ON NOVEMBER 8, 2023 TO 09:00 HOUR ON NOVEMBER 9, 2023.
*** : SAMPLING FROM 09:00 HOUR ON NOVEMBER 9, 2023 TO 09:00 HOUR ON NOVEMBER 10, 2023.
**** : SAMPLING FROM 09:00 HOUR ON NOVEMBER 10, 2023 TO 09:00 HOUR ON NOVEMBER 11, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บ้านเรา
MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : NOVEMBER 4-11, 2023
MEASURING DATE : NOVEMBER 4-11, 2023 **ANALYTICAL DATE** : NOVEMBER 4-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U100748
MEASURING METHOD : CHEMILUMINESCENCE **WORK NO.** : 2022-006185
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T23AW662-0015 - T23AW662-0021

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	บ้านเรา		
	NOVEMBER 4-5, 2023 T23AW662-0015	NOVEMBER 5-6, 2023 T23AW662-0016	NOVEMBER 6-7, 2023 T23AW662-0017
08:00-09:00 HOUR	0.0222	0.0219	0.0234
09:00-10:00 HOUR	0.0224	0.0218	0.0232
10:00-11:00 HOUR	0.0222	0.0236	0.0239
11:00-12:00 HOUR	0.0226	0.0235	0.0226
12:00-13:00 HOUR	0.0235	0.0243	0.0223
13:00-14:00 HOUR	0.0222	0.0233	0.0220
14:00-15:00 HOUR	0.0238	0.0241	0.0201
15:00-16:00 HOUR	0.0236	0.0235	0.0206
16:00-17:00 HOUR	0.0226	0.0217	0.0220
17:00-18:00 HOUR	0.0234	0.0207	0.0187
18:00-19:00 HOUR	0.0222	0.0200	0.0233
19:00-20:00 HOUR	0.0220	0.0205	0.0189
20:00-21:00 HOUR	0.0214	0.0204	0.0200
21:00-22:00 HOUR	0.0218	0.0199	0.0222
22:00-23:00 HOUR	0.0210	0.0202	0.0184
23:00-00:00 HOUR	0.0199	0.0221	0.0208
00:00-01:00 HOUR	0.0181	0.0194	0.0211
01:00-02:00 HOUR	0.0174	0.0193	0.0189
02:00-03:00 HOUR	0.0185	0.0193	0.0188
03:00-04:00 HOUR	0.0192	0.0215	0.0195
04:00-05:00 HOUR	0.0193	0.0210	0.0214
05:00-06:00 HOUR	0.0181	0.0188	0.0201
06:00-07:00 HOUR	0.0202	0.0221	0.0203
07:00-08:00 HOUR	0.0210	0.0223	0.0188



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	ไนโตรเจนไดออกไซด์			
	NOVEMBER 7-8, 2023 T23AW662-0018	NOVEMBER 8-9, 2023 T23AW662-0019	NOVEMBER 9-10, 2023 T23AW662-0020	NOVEMBER 10-11, 2023 T23AW662-0021
08:00-09:00 HOUR	0.0233	0.0182	0.0234	0.0217
09:00-10:00 HOUR	0.0222	0.0202	0.0212	0.0214
10:00-11:00 HOUR	0.0219	0.0215	0.0209	0.0233
11:00-12:00 HOUR	0.0215	0.0223	0.0205	0.0225
12:00-13:00 HOUR	0.0233	0.0235	0.0233	0.0235
13:00-14:00 HOUR	0.0231	0.0218	0.0225	0.0237
14:00-15:00 HOUR	0.0235	0.0224	0.0213	0.0213
15:00-16:00 HOUR	0.0220	0.0208	0.0228	0.0216
16:00-17:00 HOUR	0.0215	0.0228	0.0230	0.0213
17:00-18:00 HOUR	0.0219	0.0231	0.0218	0.0229
18:00-19:00 HOUR	0.0202	0.0221	0.0228	0.0226
19:00-20:00 HOUR	0.0203	0.0217	0.0215	0.0213
20:00-21:00 HOUR	0.0208	0.0235	0.0202	0.0215
21:00-22:00 HOUR	0.0177	0.0219	0.0195	0.0205
22:00-23:00 HOUR	0.0170	0.0228	0.0168	0.0201
23:00-00:00 HOUR	0.0193	0.0214	0.0192	0.0176
00:00-01:00 HOUR	0.0175	0.0213	0.0175	0.0174
01:00-02:00 HOUR	0.0184	0.0180	0.0171	0.0200
02:00-03:00 HOUR	0.0189	0.0183	0.0182	0.0193
03:00-04:00 HOUR	0.0189	0.0178	0.0196	0.0182
04:00-05:00 HOUR	0.0203	0.0203	0.0203	0.0178
05:00-06:00 HOUR	0.0199	0.0195	0.0194	0.0181
06:00-07:00 HOUR	0.0172	0.0203	0.0191	0.0205
07:00-08:00 HOUR	0.0179	0.0220	0.0203	0.0212



(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : กรุงเทพมหานคร
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100755
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0015 - T23AW662-0021

เวลา *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	จำนวนค่า		
	NOVEMBER 4-5, 2023 T23AW662-0015	NOVEMBER 5-6, 2023 T23AW662-0016	NOVEMBER 6-7, 2023 T23AW662-0017
08:00-09:00 HOUR	0.0026	0.0028	0.0026
09:00-10:00 HOUR	0.0028	0.0026	0.0027
10:00-11:00 HOUR	0.0027	0.0027	0.0028
11:00-12:00 HOUR	0.0028	0.0027	0.0027
12:00-13:00 HOUR	0.0029	0.0029	0.0029
13:00-14:00 HOUR	0.0027	0.0028	0.0028
14:00-15:00 HOUR	0.0026	0.0029	0.0027
15:00-16:00 HOUR	0.0026	0.0027	0.0028
16:00-17:00 HOUR	0.0029	0.0027	0.0027
17:00-18:00 HOUR	0.0029	0.0028	0.0027
18:00-19:00 HOUR	0.0027	0.0026	0.0027
19:00-20:00 HOUR	0.0027	0.0026	0.0024
20:00-21:00 HOUR	0.0028	0.0028	0.0027
21:00-22:00 HOUR	0.0028	0.0026	0.0026
22:00-23:00 HOUR	0.0026	0.0028	0.0027
23:00-00:00 HOUR	0.0028	0.0026	0.0025
00:00-01:00 HOUR	0.0029	0.0027	0.0026
01:00-02:00 HOUR	0.0028	0.0025	0.0026
02:00-03:00 HOUR	0.0026	0.0024	0.0026
03:00-04:00 HOUR	0.0027	0.0025	0.0024
04:00-05:00 HOUR	0.0028	0.0024	0.0027
05:00-06:00 HOUR	0.0027	0.0025	0.0025
06:00-07:00 HOUR	0.0027	0.0026	0.0027
07:00-08:00 HOUR	0.0027	0.0027	0.0027
AVERAGE 24 HOUR	0.0027	0.0027	0.0027



* รวณ	RESULT (ppm)			
	SULPHUR DIOXIDE			
	ช่วงเวลา			
	NOVEMBER 7-8, 2023 T23AW662-0018	NOVEMBER 8-9, 2023 T23AW662-0019	NOVEMBER 9-10, 2023 T23AW662-0020	NOVEMBER 10-11, 2023 T23AW662-0021
08:00-09:00 HOUR	0.0026	0.0026	0.0027	0.0026
09:00-10:00 HOUR	0.0028	0.0026	0.0027	0.0028
10:00-11:00 HOUR	0.0028	0.0025	0.0027	0.0026
11:00-12:00 HOUR	0.0027	0.0026	0.0025	0.0026
12:00-13:00 HOUR	0.0027	0.0027	0.0026	0.0026
13:00-14:00 HOUR	0.0025	0.0027	0.0027	0.0026
14:00-15:00 HOUR	0.0028	0.0028	0.0027	0.0028
15:00-16:00 HOUR	0.0028	0.0027	0.0028	0.0026
16:00-17:00 HOUR	0.0026	0.0025	0.0025	0.0026
17:00-18:00 HOUR	0.0028	0.0026	0.0026	0.0027
18:00-19:00 HOUR	0.0025	0.0025	0.0025	0.0028
19:00-20:00 HOUR	0.0024	0.0027	0.0026	0.0027
20:00-21:00 HOUR	0.0023	0.0027	0.0026	0.0028
21:00-22:00 HOUR	0.0024	0.0026	0.0027	0.0026
22:00-23:00 HOUR	0.0025	0.0028	0.0028	0.0028
23:00-00:00 HOUR	0.0027	0.0027	0.0027	0.0027
00:00-01:00 HOUR	0.0026	0.0026	0.0025	0.0026
01:00-02:00 HOUR	0.0028	0.0026	0.0025	0.0025
02:00-03:00 HOUR	0.0028	0.0026	0.0027	0.0028
03:00-04:00 HOUR	0.0027	0.0026	0.0025	0.0027
04:00-05:00 HOUR	0.0027	0.0027	0.0027	0.0027
05:00-06:00 HOUR	0.0028	0.0026	0.0027	0.0027
06:00-07:00 HOUR	0.0028	0.0026	0.0028	0.0027
07:00-08:00 HOUR	0.0025	0.0026	0.0025	0.0026
AVERAGE 24 HOUR	0.0027	0.0026	0.0026	0.0027

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100262
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0022 - T23AW662-0024

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			บ้านทุ่งเทครัว		
			* T23AW662-0022	** T23AW662-0023	*** T23AW662-0024
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.085	0.070	0.086
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.020	0.030	0.049
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 4, 2023 TO 08:00 HOUR ON NOVEMBER 5, 2023.
** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 5, 2023 TO 08:00 HOUR ON NOVEMBER 6, 2023.
*** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 6, 2023 TO 08:00 HOUR ON NOVEMBER 7, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : * ** *** ****
SAMPLING TIME : * ** *** ****
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100263
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0025 - T23AW662-0028

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			บ้านทุ่งเทครัว			
			*	**	***	****
			T23AW662-0025	T23AW662-0026	T23AW662-0027	T23AW662-0028
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.091	0.096	0.094	0.061
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.041	0.044	0.049	0.034
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 7, 2023 TO 08:00 HOUR ON NOVEMBER 8, 2023.
** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 8, 2023 TO 08:00 HOUR ON NOVEMBER 9, 2023.
*** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 9, 2023 TO 08:00 HOUR ON NOVEMBER 10, 2023.
**** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 10, 2023 TO 08:00 HOUR ON NOVEMBER 11, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บ้านทุ่ง
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100751
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0022 - T23AW662-0028

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	บ้านทุ่ง		
	NOVEMBER 4-5, 2023 T23AW662-0022	NOVEMBER 5-6, 2023 T23AW662-0023	NOVEMBER 6-7, 2023 T23AW662-0024
08:00-09:00 HOUR	0.0241	0.0227	0.0234
09:00-10:00 HOUR	0.0239	0.0224	0.0233
10:00-11:00 HOUR	0.0221	0.0241	0.0234
11:00-12:00 HOUR	0.0218	0.0244	0.0226
12:00-13:00 HOUR	0.0232	0.0229	0.0240
13:00-14:00 HOUR	0.0227	0.0237	0.0222
14:00-15:00 HOUR	0.0220	0.0226	0.0243
15:00-16:00 HOUR	0.0235	0.0231	0.0218
16:00-17:00 HOUR	0.0224	0.0238	0.0236
17:00-18:00 HOUR	0.0236	0.0221	0.0230
18:00-19:00 HOUR	0.0236	0.0241	0.0241
19:00-20:00 HOUR	0.0217	0.0234	0.0241
20:00-21:00 HOUR	0.0199	0.0225	0.0233
21:00-22:00 HOUR	0.0189	0.0203	0.0222
22:00-23:00 HOUR	0.0182	0.0194	0.0222
23:00-00:00 HOUR	0.0197	0.0223	0.0216
00:00-01:00 HOUR	0.0196	0.0188	0.0196
01:00-02:00 HOUR	0.0204	0.0207	0.0208
02:00-03:00 HOUR	0.0207	0.0199	0.0184
03:00-04:00 HOUR	0.0196	0.0211	0.0191
04:00-05:00 HOUR	0.0181	0.0222	0.0208
05:00-06:00 HOUR	0.0194	0.0235	0.0221
06:00-07:00 HOUR	0.0207	0.0237	0.0228
07:00-08:00 HOUR	0.0218	0.0223	0.0227



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	บ้านทุ่ง			
	NOVEMBER 7-8, 2023 T23AW662-0025	NOVEMBER 8-9, 2023 T23AW662-0026	NOVEMBER 9-10, 2023 T23AW662-0027	NOVEMBER 10-11, 2023 T23AW662-0028
08:00-09:00 HOUR	0.0233	0.0213	0.0229	0.0235
09:00-10:00 HOUR	0.0234	0.0221	0.0222	0.0232
10:00-11:00 HOUR	0.0217	0.0222	0.0240	0.0227
11:00-12:00 HOUR	0.0221	0.0225	0.0246	0.0233
12:00-13:00 HOUR	0.0234	0.0225	0.0240	0.0240
13:00-14:00 HOUR	0.0229	0.0222	0.0224	0.0237
14:00-15:00 HOUR	0.0227	0.0223	0.0215	0.0234
15:00-16:00 HOUR	0.0231	0.0240	0.0241	0.0240
16:00-17:00 HOUR	0.0244	0.0235	0.0229	0.0228
17:00-18:00 HOUR	0.0243	0.0227	0.0227	0.0214
18:00-19:00 HOUR	0.0230	0.0220	0.0245	0.0203
19:00-20:00 HOUR	0.0229	0.0236	0.0222	0.0206
20:00-21:00 HOUR	0.0223	0.0226	0.0212	0.0194
21:00-22:00 HOUR	0.0215	0.0220	0.0215	0.0192
22:00-23:00 HOUR	0.0196	0.0217	0.0220	0.0214
23:00-00:00 HOUR	0.0210	0.0213	0.0209	0.0202
00:00-01:00 HOUR	0.0191	0.0198	0.0205	0.0186
01:00-02:00 HOUR	0.0205	0.0183	0.0204	0.0218
02:00-03:00 HOUR	0.0203	0.0210	0.0210	0.0193
03:00-04:00 HOUR	0.0209	0.0188	0.0215	0.0202
04:00-05:00 HOUR	0.0201	0.0200	0.0211	0.0209
05:00-06:00 HOUR	0.0202	0.0190	0.0204	0.0209
06:00-07:00 HOUR	0.0210	0.0209	0.0214	0.0224
07:00-08:00 HOUR	0.0208	0.0211	0.0223	0.0233

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 27, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บ้านทุ่ง
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100756
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0022 - T23AW662-0028

เวลา *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	บ้านทุ่ง		
	NOVEMBER 4-5, 2023 T23AW662-0022	NOVEMBER 5-6, 2023 T23AW662-0023	NOVEMBER 6-7, 2023 T23AW662-0024
08:00-09:00 HOUR	0.0031	0.0030	0.0029
09:00-10:00 HOUR	0.0029	0.0031	0.0029
10:00-11:00 HOUR	0.0029	0.0028	0.0028
11:00-12:00 HOUR	0.0028	0.0030	0.0031
12:00-13:00 HOUR	0.0028	0.0030	0.0031
13:00-14:00 HOUR	0.0028	0.0030	0.0031
14:00-15:00 HOUR	0.0030	0.0030	0.0030
15:00-16:00 HOUR	0.0029	0.0031	0.0029
16:00-17:00 HOUR	0.0028	0.0029	0.0028
17:00-18:00 HOUR	0.0028	0.0031	0.0030
18:00-19:00 HOUR	0.0029	0.0030	0.0028
19:00-20:00 HOUR	0.0027	0.0028	0.0028
20:00-21:00 HOUR	0.0029	0.0029	0.0029
21:00-22:00 HOUR	0.0028	0.0027	0.0028
22:00-23:00 HOUR	0.0026	0.0027	0.0029
23:00-00:00 HOUR	0.0026	0.0029	0.0029
00:00-01:00 HOUR	0.0026	0.0028	0.0027
01:00-02:00 HOUR	0.0028	0.0026	0.0028
02:00-03:00 HOUR	0.0027	0.0027	0.0027
03:00-04:00 HOUR	0.0029	0.0028	0.0027
04:00-05:00 HOUR	0.0029	0.0028	0.0028
05:00-06:00 HOUR	0.0030	0.0029	0.0028
06:00-07:00 HOUR	0.0031	0.0031	0.0029
07:00-08:00 HOUR	0.0031	0.0028	0.0028
AVERAGE 24 HOUR	0.0029	0.0029	0.0029



เวลา *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	นาฬิกา			
	NOVEMBER 7-8, 2023 T23AW662-0025	NOVEMBER 8-9, 2023 T23AW662-0026	NOVEMBER 9-10, 2023 T23AW662-0027	NOVEMBER 10-11, 2023 T23AW662-0028
08:00-09:00 HOUR	0.0030	0.0032	0.0029	0.0031
09:00-10:00 HOUR	0.0032	0.0031	0.0030	0.0030
10:00-11:00 HOUR	0.0032	0.0030	0.0032	0.0031
11:00-12:00 HOUR	0.0032	0.0030	0.0032	0.0031
12:00-13:00 HOUR	0.0032	0.0030	0.0030	0.0031
13:00-14:00 HOUR	0.0030	0.0030	0.0031	0.0030
14:00-15:00 HOUR	0.0031	0.0032	0.0030	0.0031
15:00-16:00 HOUR	0.0032	0.0032	0.0031	0.0032
16:00-17:00 HOUR	0.0031	0.0032	0.0032	0.0030
17:00-18:00 HOUR	0.0032	0.0031	0.0031	0.0032
18:00-19:00 HOUR	0.0030	0.0030	0.0030	0.0030
19:00-20:00 HOUR	0.0028	0.0029	0.0028	0.0029
20:00-21:00 HOUR	0.0028	0.0028	0.0028	0.0026
21:00-22:00 HOUR	0.0026	0.0026	0.0026	0.0027
22:00-23:00 HOUR	0.0026	0.0028	0.0029	0.0029
23:00-00:00 HOUR	0.0029	0.0028	0.0029	0.0027
00:00-01:00 HOUR	0.0029	0.0029	0.0026	0.0026
01:00-02:00 HOUR	0.0028	0.0027	0.0027	0.0027
02:00-03:00 HOUR	0.0029	0.0029	0.0026	0.0028
03:00-04:00 HOUR	0.0026	0.0029	0.0028	0.0027
04:00-05:00 HOUR	0.0026	0.0029	0.0026	0.0028
05:00-06:00 HOUR	0.0028	0.0026	0.0028	0.0027
06:00-07:00 HOUR	0.0029	0.0027	0.0029	0.0029
07:00-08:00 HOUR	0.0030	0.0028	0.0030	0.0031
AVERAGE 24 HOUR	0.0029	0.0029	0.0029	0.0029

Sila Banjongjairuk

(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 27, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100264
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0029 - T23AW662-0031

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			บริเวณโครงการ GPSC		
			* T23AW662-0029	** T23AW662-0030	*** T23AW662-0031
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.102	0.119	0.108
PARTICULATE MATTER ($\leq 10 \mu\text{m}$)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.060	0.064	0.064
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 09:30 HOUR ON NOVEMBER 4, 2023 TO 09:30 HOUR ON NOVEMBER 5, 2023.
** : SAMPLING FROM 09:30 HOUR ON NOVEMBER 5, 2023 TO 09:30 HOUR ON NOVEMBER 6, 2023.
*** : SAMPLING FROM 09:30 HOUR ON NOVEMBER 6, 2023 TO 09:30 HOUR ON NOVEMBER 7, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***, ****
SAMPLING TIME : *, **, ***, ****
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 14, 2023
ANALYTICAL DATE : NOVEMBER 14-20, 2023
REPORT NO. : 2023-U100265
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0032 - T23AW662-0035

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			บริเวณโครงการ GPSC			
			*	**	***	****
			T23AW662-0032	T23AW662-0033	T23AW662-0034	T23AW662-0035
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.087	0.098	0.105	0.100
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.059	0.064	0.060	0.058
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 09:30 HOUR ON NOVEMBER 7, 2023 TO 09:30 HOUR ON NOVEMBER 8, 2023.
** : SAMPLING FROM 09:30 HOUR ON NOVEMBER 8, 2023 TO 09:30 HOUR ON NOVEMBER 9, 2023.
*** : SAMPLING FROM 09:30 HOUR ON NOVEMBER 9, 2023 TO 09:30 HOUR ON NOVEMBER 10, 2023.
**** : SAMPLING FROM 09:30 HOUR ON NOVEMBER 10, 2023 TO 09:30 HOUR ON NOVEMBER 11, 2023.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 23, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บริเวณพื้นที่โครงการ GPSC
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100752
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0029 - T23AW662-0035

TIME *	RESULT (ppm)		
	NITROGEN DIOXIDE		
	บริเวณพื้นที่โครงการ GPSC		
	NOVEMBER 4-5, 2023 T23AW662-0029	NOVEMBER 5-6, 2023 T23AW662-0030	NOVEMBER 6-7, 2023 T23AW662-0031
08:00-09:00 HOUR	0.0242	0.0219	0.0228
09:00-10:00 HOUR	0.0255	0.0228	0.0234
10:00-11:00 HOUR	0.0235	0.0233	0.0228
11:00-12:00 HOUR	0.0246	0.0240	0.0239
12:00-13:00 HOUR	0.0228	0.0252	0.0238
13:00-14:00 HOUR	0.0236	0.0239	0.0238
14:00-15:00 HOUR	0.0242	0.0235	0.0236
15:00-16:00 HOUR	0.0242	0.0247	0.0233
16:00-17:00 HOUR	0.0248	0.0246	0.0236
17:00-18:00 HOUR	0.0253	0.0245	0.0244
18:00-19:00 HOUR	0.0237	0.0237	0.0236
19:00-20:00 HOUR	0.0220	0.0227	0.0236
20:00-21:00 HOUR	0.0227	0.0217	0.0225
21:00-22:00 HOUR	0.0215	0.0219	0.0215
22:00-23:00 HOUR	0.0205	0.0215	0.0203
23:00-00:00 HOUR	0.0204	0.0203	0.0204
00:00-01:00 HOUR	0.0198	0.0201	0.0202
01:00-02:00 HOUR	0.0229	0.0227	0.0223
02:00-03:00 HOUR	0.0223	0.0226	0.0219
03:00-04:00 HOUR	0.0230	0.0213	0.0212
04:00-05:00 HOUR	0.0223	0.0207	0.0204
05:00-06:00 HOUR	0.0205	0.0223	0.0203
06:00-07:00 HOUR	0.0194	0.0213	0.0214
07:00-08:00 HOUR	0.0210	0.0217	0.0198



TIME *	RESULT (ppm)			
	NITROGEN DIOXIDE			
	บริเวณพื้นที่โครงการ GPSC			
	NOVEMBER 7-8, 2023 T23AW662-0032	NOVEMBER 8-9, 2023 T23AW662-0033	NOVEMBER 9-10, 2023 T23AW662-0034	NOVEMBER 10-11, 2023 T23AW662-0035
08:00-09:00 HOUR	0.0211	0.0219	0.0219	0.0216
09:00-10:00 HOUR	0.0226	0.0221	0.0224	0.0221
10:00-11:00 HOUR	0.0236	0.0233	0.0231	0.0228
11:00-12:00 HOUR	0.0236	0.0241	0.0246	0.0239
12:00-13:00 HOUR	0.0246	0.0236	0.0245	0.0233
13:00-14:00 HOUR	0.0244	0.0236	0.0241	0.0243
14:00-15:00 HOUR	0.0246	0.0229	0.0236	0.0235
15:00-16:00 HOUR	0.0251	0.0234	0.0234	0.0227
16:00-17:00 HOUR	0.0228	0.0241	0.0246	0.0226
17:00-18:00 HOUR	0.0245	0.0244	0.0231	0.0212
18:00-19:00 HOUR	0.0237	0.0227	0.0237	0.0208
19:00-20:00 HOUR	0.0235	0.0218	0.0233	0.0232
20:00-21:00 HOUR	0.0229	0.0213	0.0225	0.0204
21:00-22:00 HOUR	0.0214	0.0202	0.0234	0.0225
22:00-23:00 HOUR	0.0198	0.0232	0.0212	0.0193
23:00-00:00 HOUR	0.0217	0.0210	0.0217	0.0225
00:00-01:00 HOUR	0.0207	0.0200	0.0196	0.0200
01:00-02:00 HOUR	0.0210	0.0215	0.0210	0.0215
02:00-03:00 HOUR	0.0211	0.0210	0.0211	0.0202
03:00-04:00 HOUR	0.0232	0.0218	0.0208	0.0211
04:00-05:00 HOUR	0.0221	0.0201	0.0208	0.0225
05:00-06:00 HOUR	0.0217	0.0204	0.0206	0.0217
06:00-07:00 HOUR	0.0202	0.0215	0.0219	0.0223
07:00-08:00 HOUR	0.0213	0.0223	0.0199	0.0195

Sila Banjongjairuk

(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บริเวณพื้นที่โครงการ GPSC
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100757
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0029 - T23AW662-0035

เวลา *	RESULT (ppm)		
	SULPHUR DIOXIDE		
	บริเวณพื้นที่โครงการ GPSC		
	NOVEMBER 4-5, 2023 T23AW662-0029	NOVEMBER 5-6, 2023 T23AW662-0030	NOVEMBER 6-7, 2023 T23AW662-0031
08:00-09:00 HOUR	0.0027	0.0023	0.0028
09:00-10:00 HOUR	0.0027	0.0025	0.0027
10:00-11:00 HOUR	0.0027	0.0028	0.0028
11:00-12:00 HOUR	0.0026	0.0026	0.0027
12:00-13:00 HOUR	0.0027	0.0028	0.0028
13:00-14:00 HOUR	0.0027	0.0028	0.0028
14:00-15:00 HOUR	0.0028	0.0027	0.0027
15:00-16:00 HOUR	0.0028	0.0026	0.0028
16:00-17:00 HOUR	0.0027	0.0028	0.0028
17:00-18:00 HOUR	0.0027	0.0027	0.0027
18:00-19:00 HOUR	0.0026	0.0027	0.0026
19:00-20:00 HOUR	0.0024	0.0026	0.0025
20:00-21:00 HOUR	0.0023	0.0028	0.0024
21:00-22:00 HOUR	0.0024	0.0026	0.0023
22:00-23:00 HOUR	0.0024	0.0025	0.0024
23:00-00:00 HOUR	0.0025	0.0024	0.0023
00:00-01:00 HOUR	0.0024	0.0024	0.0023
01:00-02:00 HOUR	0.0025	0.0025	0.0025
02:00-03:00 HOUR	0.0024	0.0024	0.0025
03:00-04:00 HOUR	0.0024	0.0023	0.0024
04:00-05:00 HOUR	0.0025	0.0025	0.0025
05:00-06:00 HOUR	0.0023	0.0025	0.0025
06:00-07:00 HOUR	0.0023	0.0025	0.0026
07:00-08:00 HOUR	0.0023	0.0026	0.0027
AVERAGE 24 HOUR	0.0025	0.0026	0.0026



เวลา *	RESULT (ppm)			
	SULPHUR DIOXIDE			
	บริเวณพื้นที่โครงการ GPSC			
	NOVEMBER 7-8, 2023 T23AW662-0032	NOVEMBER 8-9, 2023 T23AW662-0033	NOVEMBER 9-10, 2023 T23AW662-0034	NOVEMBER 10-11, 2023 T23AW662-0035
08:00-09:00 HOUR	0.0028	0.0028	0.0025	0.0026
09:00-10:00 HOUR	0.0027	0.0026	0.0026	0.0027
10:00-11:00 HOUR	0.0027	0.0026	0.0028	0.0027
11:00-12:00 HOUR	0.0026	0.0027	0.0027	0.0028
12:00-13:00 HOUR	0.0028	0.0028	0.0027	0.0026
13:00-14:00 HOUR	0.0027	0.0026	0.0026	0.0026
14:00-15:00 HOUR	0.0028	0.0026	0.0026	0.0026
15:00-16:00 HOUR	0.0027	0.0027	0.0028	0.0026
16:00-17:00 HOUR	0.0027	0.0028	0.0027	0.0028
17:00-18:00 HOUR	0.0026	0.0028	0.0028	0.0027
18:00-19:00 HOUR	0.0025	0.0027	0.0027	0.0026
19:00-20:00 HOUR	0.0025	0.0026	0.0026	0.0025
20:00-21:00 HOUR	0.0024	0.0025	0.0025	0.0024
21:00-22:00 HOUR	0.0025	0.0024	0.0024	0.0023
22:00-23:00 HOUR	0.0024	0.0025	0.0024	0.0023
23:00-00:00 HOUR	0.0023	0.0024	0.0023	0.0024
00:00-01:00 HOUR	0.0024	0.0025	0.0025	0.0024
01:00-02:00 HOUR	0.0025	0.0024	0.0023	0.0025
02:00-03:00 HOUR	0.0023	0.0025	0.0023	0.0025
03:00-04:00 HOUR	0.0024	0.0023	0.0025	0.0024
04:00-05:00 HOUR	0.0023	0.0023	0.0023	0.0025
05:00-06:00 HOUR	0.0024	0.0025	0.0023	0.0024
06:00-07:00 HOUR	0.0025	0.0024	0.0024	0.0024
07:00-08:00 HOUR	0.0027	0.0024	0.0025	0.0025
AVERAGE 24 HOUR	0.0026	0.0026	0.0025	0.0025

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บริเวณพื้นที่โครงการ GPSC
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100758
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW662-0029 - T23AW662-0035

TIME *	RESULT (m/s)					
	บริเวณพื้นที่โครงการ GPSC					
	NOVEMBER 4-5, 2023 T23AW662-0029		NOVEMBER 5-6, 2023 T23AW662-0030		NOVEMBER 6-7, 2023 T23AW662-0031	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	2.5	W	2.4	NW	2.3	NE
09:00-10:00 HOUR	0.9	WSW	2.7	NNW	2.8	NNE
10:00-11:00 HOUR	3.0	WSW	0.7	NNW	0.7	NE
11:00-12:00 HOUR	3.4	WNW	0.7	N	0.6	N
12:00-13:00 HOUR	0.9	W	3.3	NE	3.1	N
13:00-14:00 HOUR	3.4	SW	2.0	NE	0.8	NE
14:00-15:00 HOUR	3.3	WNW	1.4	NE	2.4	NNE
15:00-16:00 HOUR	1.7	WNW	2.4	NNE	2.4	NNE
16:00-17:00 HOUR	1.9	SW	1.5	NE	3.1	NE
17:00-18:00 HOUR	1.6	SW	1.5	ENE	1.3	ENE
18:00-19:00 HOUR	1.4	SW	3.3	NNE	2.3	NE
19:00-20:00 HOUR	1.7	WSW	1.1	ENE	3.2	N
20:00-21:00 HOUR	2.4	SW	3.1	NNE	2.1	NE
21:00-22:00 HOUR	1.6	WSW	3.1	ENE	3.0	E
22:00-23:00 HOUR	2.9	W	0.8	NNE	2.0	ENE
23:00-00:00 HOUR	0.6	SW	0.9	E	1.0	N
00:00-01:00 HOUR	1.9	WNW	3.2	NE	1.6	NNE
01:00-02:00 HOUR	3.4	NW	0.8	E	2.8	ENE
02:00-03:00 HOUR	2.7	NW	1.9	NNE	0.6	N
03:00-04:00 HOUR	1.2	NW	2.3	E	2.3	ENE
04:00-05:00 HOUR	3.4	NNW	1.7	NE	2.4	E
05:00-06:00 HOUR	3.5	NNW	2.4	E	3.0	ENE
06:00-07:00 HOUR	3.5	NW	2.1	NNE	2.5	NE
07:00-08:00 HOUR	2.8	WNW	2.0	NNE	0.7	E



TIME *	RESULT (m/s)							
	บริเวณพื้นที่โครงการ GPSC							
	NOVEMBER 7-8, 2023		NOVEMBER 8-9, 2023		NOVEMBER 9-10, 2023		NOVEMBER 10-11, 2023	
	T23AW662-0032		T23AW662-0033		T23AW662-0034		T23AW662-0035	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.0	E	1.0	ESE	1.9	NE	3.5	ENE
09:00-10:00 HOUR	2.7	NE	2.4	E	3.0	E	2.7	NE
10:00-11:00 HOUR	3.3	NNE	1.4	E	2.0	E	2.7	E
11:00-12:00 HOUR	1.6	NNE	2.6	E	2.9	NE	1.8	ENE
12:00-13:00 HOUR	1.6	NE	2.9	NE	1.9	NNE	0.8	E
13:00-14:00 HOUR	2.8	NE	1.4	NNE	0.6	NNE	1.3	E
14:00-15:00 HOUR	2.0	E	1.2	NNE	2.9	E	2.2	NNE
15:00-16:00 HOUR	3.5	ENE	0.8	NE	0.9	NNE	2.5	NNE
16:00-17:00 HOUR	2.8	E	2.3	ENE	2.9	NE	0.6	NNE
17:00-18:00 HOUR	2.1	E	2.8	ENE	3.4	NE	1.7	NE
18:00-19:00 HOUR	1.2	ESE	1.4	NE	2.2	NE	1.0	N
19:00-20:00 HOUR	2.3	SSE	1.9	ENE	1.3	NNE	1.0	E
20:00-21:00 HOUR	1.2	SSW	1.8	NE	2.0	E	1.2	E
21:00-22:00 HOUR	2.4	SE	3.5	E	0.7	N	2.2	ENE
22:00-23:00 HOUR	1.4	ESE	2.8	ENE	0.5	E	1.7	NNE
23:00-00:00 HOUR	3.0	SSE	1.1	E	3.2	ENE	2.8	NNE
00:00-01:00 HOUR	2.9	ESE	2.0	NNE	1.9	ENE	2.3	NNE
01:00-02:00 HOUR	3.4	SSE	3.5	E	1.6	ENE	2.2	NE
02:00-03:00 HOUR	1.8	S	1.5	NNE	3.3	N	0.6	E
03:00-04:00 HOUR	2.4	SSE	0.9	E	2.3	E	2.7	E
04:00-05:00 HOUR	2.8	ESE	2.6	N	2.4	NE	0.9	ENE
05:00-06:00 HOUR	2.8	SSE	1.2	ENE	2.1	NNE	3.3	NNE
06:00-07:00 HOUR	3.2	S	2.4	ENE	2.5	N	3.3	ENE
07:00-08:00 HOUR	2.4	SSE	3.3	NNE	0.9	N	0.7	NNE



(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ภาคผนวก ก-2

ผลการติดตามตรวจสอบระดับเสียงโดยทั่วไป



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING SOURCE : บ้านทุ่ง
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : NOVEMBER 4-11, 2023
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : NOVEMBER 4-11, 2023
ANALYTICAL DATE : NOVEMBER 4-11, 2023
REPORT NO. : 2023-U100760
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW663-0002 - T23AW663-0008

TIME*	RESULT dB(A)		
	บ้านทุ่ง		
	NOVEMBER 4-5, 2023		
	T23AW663-0002		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.8	64.5	53.8
08:00-09:00 HOUR	57.5	76.6	53.5
09:00-10:00 HOUR	57.4	77.9	54.7
10:00-11:00 HOUR	57.4	67.6	55.6
11:00-12:00 HOUR	56.3	69.2	54.2
12:00-13:00 HOUR	55.6	75.4	52.9
13:00-14:00 HOUR	55.8	70.2	53.8
14:00-15:00 HOUR	57.0	78.9	54.1
15:00-16:00 HOUR	57.1	77.7	53.8
16:00-17:00 HOUR	55.2	73.6	53.8
17:00-18:00 HOUR	54.9	69.6	53.7
18:00-19:00 HOUR	58.8	73.9	57.0
19:00-20:00 HOUR	59.8	74.8	57.4
20:00-21:00 HOUR	59.2	78.6	56.7
21:00-22:00 HOUR	59.3	77.7	56.2
22:00-23:00 HOUR	58.9	71.4	56.8
23:00-00:00 HOUR	57.8	74.1	56.3
00:00-01:00 HOUR	58.6	74.5	56.8
01:00-02:00 HOUR	58.3	77.1	56.7
02:00-03:00 HOUR	57.1	77.7	55.7
03:00-04:00 HOUR	57.2	75.3	55.6
04:00-05:00 HOUR	56.7	82.6	54.7
05:00-06:00 HOUR	57.0	77.9	55.3
06:00-07:00 HOUR	58.3	76.5	55.7
L _{Aeq} 24 hours		57.6	
L _{Adn}		64.2	



TIME*	RESULT dB(A)		
	บารุง		
	NOVEMBER 5-6, 2023		
	T23AW663-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.4	61.1	54.3
08:00-09:00 HOUR	55.9	59.0	54.7
09:00-10:00 HOUR	59.4	68.7	55.1
10:00-11:00 HOUR	56.7	68.5	55.2
11:00-12:00 HOUR	56.7	60.2	55.4
12:00-13:00 HOUR	57.3	63.1	56.1
13:00-14:00 HOUR	57.5	61.8	56.2
14:00-15:00 HOUR	57.3	63.8	55.8
15:00-16:00 HOUR	57.5	66.5	56.2
16:00-17:00 HOUR	57.4	64.7	56.4
17:00-18:00 HOUR	57.8	69.2	56.1
18:00-19:00 HOUR	57.1	63.8	56.0
19:00-20:00 HOUR	57.7	75.7	56.0
20:00-21:00 HOUR	63.8	76.8	56.1
21:00-22:00 HOUR	57.6	62.5	56.1
22:00-23:00 HOUR	56.8	59.9	55.8
23:00-00:00 HOUR	56.9	64.7	55.9
00:00-01:00 HOUR	56.9	59.6	55.8
01:00-02:00 HOUR	56.3	59.5	54.9
02:00-03:00 HOUR	56.4	60.1	55.5
03:00-04:00 HOUR	56.8	65.8	55.4
04:00-05:00 HOUR	56.3	59.0	55.5
05:00-06:00 HOUR	56.4	60.2	55.1
06:00-07:00 HOUR	56.5	64.4	55.5
L _{Aeq} 24 hours		57.7	
L _{Adn}		63.3	

TIME*	RESULT dB(A)		
	รายงาน		
	NOVEMBER 6-7, 2023		
	T23AW663-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	60.6	73.8	55.2
08:00-09:00 HOUR	59.9	71.1	56.8
09:00-10:00 HOUR	57.0	66.7	55.5
10:00-11:00 HOUR	57.1	60.9	55.9
11:00-12:00 HOUR	56.6	61.8	55.4
12:00-13:00 HOUR	57.1	62.5	55.7
13:00-14:00 HOUR	57.5	62.1	56.2
14:00-15:00 HOUR	57.2	62.7	56.0
15:00-16:00 HOUR	58.0	64.8	56.9
16:00-17:00 HOUR	58.2	65.0	56.7
17:00-18:00 HOUR	58.4	64.1	56.9
18:00-19:00 HOUR	58.3	72.7	56.6
19:00-20:00 HOUR	58.3	70.2	56.4
20:00-21:00 HOUR	57.5	61.7	56.5
21:00-22:00 HOUR	58.0	66.5	56.6
22:00-23:00 HOUR	57.7	61.4	56.5
23:00-00:00 HOUR	57.5	65.1	56.3
00:00-01:00 HOUR	57.4	66.1	56.0
01:00-02:00 HOUR	56.9	61.4	55.8
02:00-03:00 HOUR	57.4	67.3	56.0
03:00-04:00 HOUR	58.4	62.5	57.4
04:00-05:00 HOUR	57.7	61.7	56.8
05:00-06:00 HOUR	57.8	63.7	56.8
06:00-07:00 HOUR	57.2	63.9	56.2
L _{Aeq} 24 hours	57.9		
L _{Adn}	64.1		

TIME*	RESULT dB(A)		
	નળનરન		
	NOVEMBER 7-8, 2023		
	T23AW663-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.3	64.0	56.1
08:00-09:00 HOUR	57.1	70.7	56.0
09:00-10:00 HOUR	57.9	67.6	55.2
10:00-11:00 HOUR	57.6	66.7	56.1
11:00-12:00 HOUR	56.9	64.3	55.7
12:00-13:00 HOUR	58.3	70.2	54.7
13:00-14:00 HOUR	56.6	67.8	53.8
14:00-15:00 HOUR	56.0	67.8	53.7
15:00-16:00 HOUR	55.0	63.0	53.7
16:00-17:00 HOUR	54.7	62.0	53.5
17:00-18:00 HOUR	54.5	57.7	53.5
18:00-19:00 HOUR	55.2	67.9	53.7
19:00-20:00 HOUR	57.5	73.2	54.2
20:00-21:00 HOUR	55.5	66.5	54.0
21:00-22:00 HOUR	54.9	60.2	54.0
22:00-23:00 HOUR	54.6	57.1	53.6
23:00-00:00 HOUR	58.6	68.3	54.5
00:00-01:00 HOUR	55.7	63.6	54.4
01:00-02:00 HOUR	54.9	62.9	53.9
02:00-03:00 HOUR	55.3	60.1	54.3
03:00-04:00 HOUR	54.9	59.0	53.8
04:00-05:00 HOUR	55.2	63.7	53.6
05:00-06:00 HOUR	55.4	64.1	53.9
06:00-07:00 HOUR	55.6	63.8	54.3
L _{Aeq} 24 hours		56.2	
L _{Adn}		62.3	

TIME*	RESULT dB(A)		
	รายงาน		
	NOVEMBER 8-9, 2023		
	T23AW663-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.2	78.6	54.2
08:00-09:00 HOUR	55.8	70.8	54.2
09:00-10:00 HOUR	62.3	76.8	54.4
10:00-11:00 HOUR	55.8	67.6	54.3
11:00-12:00 HOUR	55.6	59.4	54.5
12:00-13:00 HOUR	56.3	63.1	54.7
13:00-14:00 HOUR	59.2	70.2	55.7
14:00-15:00 HOUR	56.0	59.1	54.9
15:00-16:00 HOUR	56.0	60.4	54.9
16:00-17:00 HOUR	55.7	61.5	54.6
17:00-18:00 HOUR	55.9	59.3	54.6
18:00-19:00 HOUR	57.9	69.0	54.5
19:00-20:00 HOUR	55.9	61.6	54.9
20:00-21:00 HOUR	56.0	59.9	54.9
21:00-22:00 HOUR	55.8	60.0	54.6
22:00-23:00 HOUR	55.9	64.8	54.6
23:00-00:00 HOUR	57.1	67.2	54.9
00:00-01:00 HOUR	57.4	70.8	54.9
01:00-02:00 HOUR	57.4	68.3	55.0
02:00-03:00 HOUR	63.3	77.9	55.5
03:00-04:00 HOUR	56.5	67.2	54.3
04:00-05:00 HOUR	55.3	62.7	54.1
05:00-06:00 HOUR	55.0	58.0	54.0
06:00-07:00 HOUR	54.8	57.1	54.0
L _{Aeq} 24 hours	57.5		
L _{Adn}	64.2		

TIME*	RESULT dB(A)		
	รายงาน		
	NOVEMBER 9-10, 2023		
	T23AW663-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	54.9	64.2	53.8
08:00-09:00 HOUR	54.5	62.0	53.6
09:00-10:00 HOUR	54.6	57.0	53.8
10:00-11:00 HOUR	54.9	61.5	53.9
11:00-12:00 HOUR	62.3	76.7	54.3
12:00-13:00 HOUR	55.0	61.7	53.5
13:00-14:00 HOUR	55.5	68.0	53.8
14:00-15:00 HOUR	54.7	60.9	53.8
15:00-16:00 HOUR	56.3	68.6	53.9
16:00-17:00 HOUR	55.3	58.7	54.1
17:00-18:00 HOUR	54.8	62.6	53.8
18:00-19:00 HOUR	55.6	61.9	54.4
19:00-20:00 HOUR	55.0	64.3	54.0
20:00-21:00 HOUR	55.1	59.7	54.1
21:00-22:00 HOUR	54.7	57.1	53.7
22:00-23:00 HOUR	54.6	59.0	53.4
23:00-00:00 HOUR	55.0	58.5	54.0
00:00-01:00 HOUR	59.2	69.5	54.6
01:00-02:00 HOUR	55.6	60.8	54.3
02:00-03:00 HOUR	55.2	58.9	54.1
03:00-04:00 HOUR	54.7	57.7	53.6
04:00-05:00 HOUR	55.0	58.7	53.9
05:00-06:00 HOUR	54.8	61.5	53.8
06:00-07:00 HOUR	54.6	58.3	53.7
L _{Aeq} 24 hours		56.0	
L _{Adn}		62.2	

TIME*	RESULT dB(A)		
	รายงาน		
	NOVEMBER 10-11, 2023		
	T23AW663-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	54.5	63.6	53.5
08:00-09:00 HOUR	54.6	61.7	53.6
09:00-10:00 HOUR	54.8	58.0	54.0
10:00-11:00 HOUR	54.9	59.7	54.0
11:00-12:00 HOUR	55.0	58.1	54.1
12:00-13:00 HOUR	55.2	60.6	54.1
13:00-14:00 HOUR	54.9	56.8	54.0
14:00-15:00 HOUR	56.5	68.6	54.2
15:00-16:00 HOUR	55.4	74.6	54.0
16:00-17:00 HOUR	55.0	57.3	54.1
17:00-18:00 HOUR	55.5	60.2	54.2
18:00-19:00 HOUR	55.0	60.6	53.7
19:00-20:00 HOUR	55.7	61.0	53.8
20:00-21:00 HOUR	55.9	61.0	53.7
21:00-22:00 HOUR	56.7	64.7	54.1
22:00-23:00 HOUR	54.3	56.4	53.3
23:00-00:00 HOUR	55.5	67.3	53.6
00:00-01:00 HOUR	55.5	66.0	54.2
01:00-02:00 HOUR	55.0	65.1	53.8
02:00-03:00 HOUR	54.9	77.8	53.2
03:00-04:00 HOUR	61.2	75.5	53.1
04:00-05:00 HOUR	54.0	57.8	53.0
05:00-06:00 HOUR	54.6	63.2	53.4
06:00-07:00 HOUR	60.7	69.9	54.7
L _{Aeq} 24 hours		56.1	
L _{Adn}		63.3	

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

NOVEMBER 27, 2023

ANALYSIS REPORT

CUSTOMER NAME	: GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED	RECEIVED DATE	: NOVEMBER 4-11, 2023
ADDRESS	: 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230	ANALYTICAL DATE	: NOVEMBER 4-11, 2023
CONTACT INFORMATION	: TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com	REPORT NO.	: 2023-U100761
MEASURING SOURCE	: รังสีโครงการ GPSC	WORK NO.	: 2022-006185
MEASURING TYPE	: AMBIENT (NOISE)	ANALYSIS NO.	: T23AW663-0009 - T23AW663-0015
MEASURING DATE	: NOVEMBER 4-11, 2023		
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR SIRAPAT JONGPHADUNGKIET		

TIME*	RESULT dB(A)		
	รังสีโครงการ GPSC		
	NOVEMBER 4-5, 2023		
	T23AW663-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	63.9	80.1	62.6
08:00-09:00 HOUR	63.9	83.9	62.4
09:00-10:00 HOUR	63.9	79.3	62.6
10:00-11:00 HOUR	63.7	74.9	62.4
11:00-12:00 HOUR	65.3	75.4	64.0
12:00-13:00 HOUR	65.7	76.0	64.6
13:00-14:00 HOUR	65.2	79.0	63.9
14:00-15:00 HOUR	67.1	77.7	65.7
15:00-16:00 HOUR	64.3	76.2	63.3
16:00-17:00 HOUR	64.5	81.1	63.4
17:00-18:00 HOUR	63.9	74.6	63.3
18:00-19:00 HOUR	64.1	73.7	63.6
19:00-20:00 HOUR	63.8	70.8	63.3
20:00-21:00 HOUR	61.1	67.3	60.6
21:00-22:00 HOUR	61.2	67.8	60.7
22:00-23:00 HOUR	61.3	69.4	61.0
23:00-00:00 HOUR	60.8	66.7	60.4
00:00-01:00 HOUR	60.7	72.6	60.1
01:00-02:00 HOUR	61.7	78.6	60.6
02:00-03:00 HOUR	63.6	81.9	61.6
03:00-04:00 HOUR	63.4	82.8	61.2
04:00-05:00 HOUR	65.2	77.0	61.2
05:00-06:00 HOUR	61.8	77.1	60.6
06:00-07:00 HOUR	62.2	84.9	60.5
L _{Aeq} 24 hours	63.8		
L _{Adn}	69.3		



TIME*	RESULT dB(A)		
	กรมโครงการ GPSC		
	NOVEMBER 5-6, 2023		
	T23AW663-0010		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.0	65.1	63.6
08:00-09:00 HOUR	63.9	65.3	63.5
09:00-10:00 HOUR	64.1	65.3	63.6
10:00-11:00 HOUR	64.3	70.8	63.5
11:00-12:00 HOUR	63.9	65.4	63.4
12:00-13:00 HOUR	64.0	65.5	63.5
13:00-14:00 HOUR	64.0	65.5	63.5
14:00-15:00 HOUR	64.1	65.5	63.7
15:00-16:00 HOUR	64.2	65.7	63.6
16:00-17:00 HOUR	63.8	65.2	63.2
17:00-18:00 HOUR	64.0	65.9	63.5
18:00-19:00 HOUR	64.2	65.5	63.6
19:00-20:00 HOUR	64.2	66.5	63.8
20:00-21:00 HOUR	64.3	65.7	63.8
21:00-22:00 HOUR	64.3	65.5	63.9
22:00-23:00 HOUR	64.3	65.4	63.8
23:00-00:00 HOUR	64.3	66.0	63.6
00:00-01:00 HOUR	64.1	65.6	63.5
01:00-02:00 HOUR	63.9	65.3	63.3
02:00-03:00 HOUR	63.8	65.9	63.3
03:00-04:00 HOUR	64.5	74.5	63.7
04:00-05:00 HOUR	66.7	84.9	63.8
05:00-06:00 HOUR	64.6	68.6	63.8
06:00-07:00 HOUR	64.3	65.9	63.6
L _{Aeq} 24 hours		64.3	
L _{Adn}		70.9	

TIME*	RESULT dB(A)		
	จิมราห์โครงการ GPSC		
	NOVEMBER 6-7, 2023		
	T23AW663-0011		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.4	67.0	63.8
08:00-09:00 HOUR	64.2	66.3	63.5
09:00-10:00 HOUR	64.7	68.2	64.0
10:00-11:00 HOUR	64.4	69.1	63.7
11:00-12:00 HOUR	64.4	68.2	63.6
12:00-13:00 HOUR	64.4	69.5	63.7
13:00-14:00 HOUR	65.0	78.0	63.8
14:00-15:00 HOUR	64.7	70.8	63.8
15:00-16:00 HOUR	64.6	69.6	64.0
16:00-17:00 HOUR	66.3	77.7	63.9
17:00-18:00 HOUR	65.4	73.2	63.9
18:00-19:00 HOUR	67.0	83.5	64.3
19:00-20:00 HOUR	65.3	74.3	64.3
20:00-21:00 HOUR	65.0	68.7	64.3
21:00-22:00 HOUR	65.1	75.0	64.2
22:00-23:00 HOUR	67.0	82.3	64.3
23:00-00:00 HOUR	68.0	84.1	64.5
00:00-01:00 HOUR	66.3	76.3	64.4
01:00-02:00 HOUR	67.1	82.1	64.4
02:00-03:00 HOUR	66.0	78.1	63.9
03:00-04:00 HOUR	65.2	73.3	64.1
04:00-05:00 HOUR	65.0	74.1	63.9
05:00-06:00 HOUR	65.1	73.8	63.7
06:00-07:00 HOUR	64.7	67.5	63.8
L _{Aeq} 24 hours		65.5	
L _{Adn}		72.4	

TIME*	RESULT dB(A)		
	จิมราห์โครงการ GPSC		
	NOVEMBER 7-8, 2023		
	T23AW663-0012		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.4	69.7	64.4
08:00-09:00 HOUR	64.9	70.1	64.1
09:00-10:00 HOUR	64.9	70.8	64.1
10:00-11:00 HOUR	65.1	70.1	64.4
11:00-12:00 HOUR	64.9	71.2	64.1
12:00-13:00 HOUR	65.1	69.2	64.3
13:00-14:00 HOUR	65.4	73.3	64.0
14:00-15:00 HOUR	65.3	73.8	64.1
15:00-16:00 HOUR	64.8	74.1	63.3
16:00-17:00 HOUR	64.6	72.9	63.1
17:00-18:00 HOUR	64.2	72.2	63.2
18:00-19:00 HOUR	63.7	71.3	62.8
19:00-20:00 HOUR	63.9	68.3	63.1
20:00-21:00 HOUR	64.0	70.5	63.0
21:00-22:00 HOUR	64.3	72.0	63.1
22:00-23:00 HOUR	64.4	68.8	63.2
23:00-00:00 HOUR	64.1	69.1	63.3
00:00-01:00 HOUR	64.4	72.4	63.0
01:00-02:00 HOUR	64.5	73.0	63.4
02:00-03:00 HOUR	63.9	71.2	62.9
03:00-04:00 HOUR	63.8	79.3	62.5
04:00-05:00 HOUR	64.0	67.5	63.0
05:00-06:00 HOUR	64.1	71.0	63.1
06:00-07:00 HOUR	63.7	69.2	62.8
L _{Aeq} 24 hours		64.5	
L _{Adn}		70.6	

TIME*	RESULT dB(A)		
	ริมรั้วโครงการ GPSC		
	NOVEMBER 8-9, 2023		
	T23AW663-0013		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.0	75.1	62.5
08:00-09:00 HOUR	63.8	70.4	62.5
09:00-10:00 HOUR	64.0	71.6	62.9
10:00-11:00 HOUR	63.8	69.4	62.9
11:00-12:00 HOUR	63.6	74.3	62.7
12:00-13:00 HOUR	63.8	70.5	62.8
13:00-14:00 HOUR	64.0	70.0	63.1
14:00-15:00 HOUR	63.8	67.9	62.8
15:00-16:00 HOUR	63.3	69.1	62.4
16:00-17:00 HOUR	63.4	71.8	62.5
17:00-18:00 HOUR	63.7	67.2	62.8
18:00-19:00 HOUR	63.8	67.2	63.0
19:00-20:00 HOUR	63.8	72.9	62.5
20:00-21:00 HOUR	63.9	69.0	63.1
21:00-22:00 HOUR	63.9	67.7	62.8
22:00-23:00 HOUR	63.5	75.6	62.7
23:00-00:00 HOUR	65.4	68.2	64.3
00:00-01:00 HOUR	64.7	67.2	63.9
01:00-02:00 HOUR	64.4	66.7	63.7
02:00-03:00 HOUR	64.6	66.5	63.9
03:00-04:00 HOUR	64.5	66.6	63.8
04:00-05:00 HOUR	64.8	68.6	63.9
05:00-06:00 HOUR	64.6	67.0	63.8
06:00-07:00 HOUR	64.5	73.8	63.9
L _{Aeq} 24 hours		64.1	
L _{Adn}		70.9	

TIME*	RESULT dB(A)		
	กรมโครงการ GPSC		
	NOVEMBER 9-10, 2023		
	T23AW663-0014		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.4	66.0	63.7
08:00-09:00 HOUR	64.3	66.9	63.5
09:00-10:00 HOUR	64.3	66.0	63.7
10:00-11:00 HOUR	64.6	67.1	63.7
11:00-12:00 HOUR	64.8	68.6	64.1
12:00-13:00 HOUR	64.6	67.0	63.9
13:00-14:00 HOUR	64.4	67.8	63.9
14:00-15:00 HOUR	64.4	66.1	63.8
15:00-16:00 HOUR	64.6	66.8	63.8
16:00-17:00 HOUR	64.3	66.1	63.8
17:00-18:00 HOUR	64.2	65.5	63.7
18:00-19:00 HOUR	64.1	66.0	63.5
19:00-20:00 HOUR	64.6	66.2	64.1
20:00-21:00 HOUR	64.4	65.7	64.0
21:00-22:00 HOUR	64.4	67.5	63.9
22:00-23:00 HOUR	64.5	70.7	63.6
23:00-00:00 HOUR	64.0	68.8	63.3
00:00-01:00 HOUR	63.7	65.1	63.2
01:00-02:00 HOUR	64.0	69.5	63.4
02:00-03:00 HOUR	63.9	66.3	63.3
03:00-04:00 HOUR	63.8	65.0	63.4
04:00-05:00 HOUR	63.8	64.9	63.4
05:00-06:00 HOUR	64.1	66.8	63.6
06:00-07:00 HOUR	64.2	65.2	63.8
L _{Aeq} 24 hours		64.3	
L _{Adn}		70.5	

TIME*	RESULT dB(A)		
	กรมวิศวกรรม GPSC		
	NOVEMBER 10-11, 2023		
	T23AW663-0015		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.2	68.8	63.6
08:00-09:00 HOUR	64.1	65.3	63.7
09:00-10:00 HOUR	64.3	65.4	63.8
10:00-11:00 HOUR	64.2	65.6	63.7
11:00-12:00 HOUR	64.1	65.1	63.7
12:00-13:00 HOUR	64.0	65.1	63.6
13:00-14:00 HOUR	64.1	65.4	63.7
14:00-15:00 HOUR	64.4	70.6	63.8
15:00-16:00 HOUR	64.3	65.4	63.9
16:00-17:00 HOUR	64.2	65.2	63.8
17:00-18:00 HOUR	64.2	65.3	63.8
18:00-19:00 HOUR	64.0	65.3	63.6
19:00-20:00 HOUR	64.2	65.4	63.7
20:00-21:00 HOUR	65.1	67.4	64.1
21:00-22:00 HOUR	64.1	65.4	63.6
22:00-23:00 HOUR	64.0	65.0	63.6
23:00-00:00 HOUR	63.9	65.0	63.5
00:00-01:00 HOUR	64.0	65.0	63.7
01:00-02:00 HOUR	64.0	65.1	63.6
02:00-03:00 HOUR	64.4	66.1	63.8
03:00-04:00 HOUR	65.7	68.9	64.0
04:00-05:00 HOUR	64.8	67.2	64.2
05:00-06:00 HOUR	64.5	66.2	63.8
06:00-07:00 HOUR	64.2	66.1	63.5
L _{Aeq} 24 hours		64.3	
L _{Adn}		70.8	

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING SOURCE : บ้านอ่าวอุดม
MEASURING TYPE : AMBIENT (NOISE) **RECEIVED DATE** : NOVEMBER 4-11, 2023
MEASURING DATE : NOVEMBER 4-11, 2023 **ANALYTICAL DATE** : NOVEMBER 4-11, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U100762
MEASURING METHOD : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-006185
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T23AW663-0016 - T23AW663-0022

TIME*	RESULT dB(A)		
	บ้านอ่าวอุดม		
	NOVEMBER 4-5, 2023		
	T23AW663-0016		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	42.0	55.9	40.0
08:00-09:00 HOUR	41.5	50.9	40.4
09:00-10:00 HOUR	41.2	44.5	39.9
10:00-11:00 HOUR	42.7	56.0	40.4
11:00-12:00 HOUR	42.8	49.9	40.2
12:00-13:00 HOUR	43.3	50.3	39.9
13:00-14:00 HOUR	43.4	51.0	39.7
14:00-15:00 HOUR	41.6	44.3	40.4
15:00-16:00 HOUR	43.2	50.9	40.8
16:00-17:00 HOUR	43.4	50.9	40.7
17:00-18:00 HOUR	41.4	43.0	40.8
18:00-19:00 HOUR	41.7	45.2	40.6
19:00-20:00 HOUR	41.6	44.2	40.9
20:00-21:00 HOUR	42.9	49.5	41.0
21:00-22:00 HOUR	42.2	44.0	41.3
22:00-23:00 HOUR	44.1	54.0	41.4
23:00-00:00 HOUR	45.9	52.8	43.1
00:00-01:00 HOUR	44.2	56.0	41.4
01:00-02:00 HOUR	42.4	45.9	40.7
02:00-03:00 HOUR	44.6	50.7	41.8
03:00-04:00 HOUR	42.9	44.3	41.8
04:00-05:00 HOUR	42.1	44.4	41.2
05:00-06:00 HOUR	44.1	48.6	41.7
06:00-07:00 HOUR	41.5	47.3	39.8
L _{Aeq} 24 hours	42.9		
L _{Adn}	50.0		



TIME*	RESULT dB(A)		
	รายงานผลการตรวจวัด		
	NOVEMBER 5-6, 2023		
	T23AW663-0017		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	41.8	46.3	40.8
08:00-09:00 HOUR	42.0	44.5	41.0
09:00-10:00 HOUR	42.1	44.6	40.9
10:00-11:00 HOUR	41.7	44.2	40.5
11:00-12:00 HOUR	49.3	69.8	40.6
12:00-13:00 HOUR	45.7	51.6	43.5
13:00-14:00 HOUR	44.5	48.7	40.8
14:00-15:00 HOUR	42.5	45.5	40.4
15:00-16:00 HOUR	41.5	44.5	40.0
16:00-17:00 HOUR	42.1	43.4	41.4
17:00-18:00 HOUR	41.4	43.8	40.0
18:00-19:00 HOUR	40.8	42.9	39.6
19:00-20:00 HOUR	41.4	46.4	40.6
20:00-21:00 HOUR	42.3	54.0	40.8
21:00-22:00 HOUR	44.3	50.9	40.9
22:00-23:00 HOUR	44.8	52.8	41.1
23:00-00:00 HOUR	45.5	53.0	42.5
00:00-01:00 HOUR	45.4	51.9	42.3
01:00-02:00 HOUR	44.8	51.4	41.8
02:00-03:00 HOUR	44.0	53.2	40.8
03:00-04:00 HOUR	43.2	51.8	40.8
04:00-05:00 HOUR	45.5	56.5	40.4
05:00-06:00 HOUR	45.5	57.6	42.2
06:00-07:00 HOUR	47.2	59.3	43.0
L _{Aeq} 24 hours		44.3	
L _{Adn}		51.4	

TIME*	RESULT dB(A)		
	มาตรฐาน		
	NOVEMBER 6-7, 2023		
	T23AW663-0018		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	48.4	60.4	43.1
08:00-09:00 HOUR	46.8	57.5	43.1
09:00-10:00 HOUR	49.5	63.0	42.3
10:00-11:00 HOUR	49.8	62.3	42.2
11:00-12:00 HOUR	44.1	48.9	42.8
12:00-13:00 HOUR	47.9	59.6	41.9
13:00-14:00 HOUR	46.0	59.8	42.2
14:00-15:00 HOUR	44.5	47.3	42.4
15:00-16:00 HOUR	43.9	45.8	43.1
16:00-17:00 HOUR	41.2	42.7	40.4
17:00-18:00 HOUR	41.1	43.1	40.2
18:00-19:00 HOUR	41.8	43.9	39.0
19:00-20:00 HOUR	40.4	43.8	38.9
20:00-21:00 HOUR	41.3	52.7	38.7
21:00-22:00 HOUR	41.2	44.3	39.3
22:00-23:00 HOUR	41.3	43.1	39.4
23:00-00:00 HOUR	41.7	57.7	39.9
00:00-01:00 HOUR	46.0	57.4	40.6
01:00-02:00 HOUR	42.4	51.6	39.6
02:00-03:00 HOUR	41.3	52.5	40.4
03:00-04:00 HOUR	41.1	45.2	40.4
04:00-05:00 HOUR	44.5	54.8	40.8
05:00-06:00 HOUR	41.8	53.8	40.7
06:00-07:00 HOUR	41.7	44.0	40.8
L _{Aeq} 24 hours		44.8	
L _{Adn}		49.7	

TIME*	RESULT dB(A)		
	บ้านอาราอุตม		
	NOVEMBER 7-8, 2023		
	T23AW663-0019		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	47.9	67.1	41.7
08:00-09:00 HOUR	44.9	59.2	41.0
09:00-10:00 HOUR	45.0	58.6	40.9
10:00-11:00 HOUR	47.7	64.7	42.4
11:00-12:00 HOUR	44.5	58.0	41.8
12:00-13:00 HOUR	42.7	54.7	40.5
13:00-14:00 HOUR	46.9	77.9	41.4
14:00-15:00 HOUR	46.5	66.0	43.2
15:00-16:00 HOUR	49.3	77.1	42.8
16:00-17:00 HOUR	48.6	69.1	42.1
17:00-18:00 HOUR	46.8	62.3	43.6
18:00-19:00 HOUR	49.5	63.5	45.4
19:00-20:00 HOUR	47.2	67.5	43.2
20:00-21:00 HOUR	45.8	58.6	43.0
21:00-22:00 HOUR	46.0	58.6	43.0
22:00-23:00 HOUR	47.5	69.6	45.0
23:00-00:00 HOUR	46.2	64.8	44.5
00:00-01:00 HOUR	46.8	64.5	44.2
01:00-02:00 HOUR	46.0	63.9	42.5
02:00-03:00 HOUR	46.1	67.9	43.0
03:00-04:00 HOUR	47.2	62.0	43.8
04:00-05:00 HOUR	44.5	60.4	41.8
05:00-06:00 HOUR	45.7	66.5	42.8
06:00-07:00 HOUR	50.1	71.9	41.8
L _{Aeq} 24 hours		47.0	
L _{Adn}		53.4	

TIME*	RESULT dB(A)		
	บารบารบารบ		
	NOVEMBER 8-9, 2023		
	T23AW663-0020		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	47.6	60.7	41.7
08:00-09:00 HOUR	45.9	63.4	41.7
09:00-10:00 HOUR	45.7	59.8	42.5
10:00-11:00 HOUR	44.3	63.1	41.0
11:00-12:00 HOUR	45.6	65.9	40.8
12:00-13:00 HOUR	45.1	65.4	40.9
13:00-14:00 HOUR	44.6	59.2	41.3
14:00-15:00 HOUR	45.0	57.6	41.7
15:00-16:00 HOUR	46.7	63.5	41.6
16:00-17:00 HOUR	44.8	61.7	42.5
17:00-18:00 HOUR	45.8	56.5	41.2
18:00-19:00 HOUR	48.1	73.9	40.5
19:00-20:00 HOUR	43.2	57.8	40.9
20:00-21:00 HOUR	48.4	70.0	39.7
21:00-22:00 HOUR	41.0	56.1	38.5
22:00-23:00 HOUR	40.3	54.4	38.0
23:00-00:00 HOUR	39.7	51.8	38.1
00:00-01:00 HOUR	41.4	67.5	38.4
01:00-02:00 HOUR	40.9	70.8	38.4
02:00-03:00 HOUR	42.1	63.8	38.6
03:00-04:00 HOUR	41.4	56.6	38.7
04:00-05:00 HOUR	41.6	60.7	39.0
05:00-06:00 HOUR	41.1	59.0	38.8
06:00-07:00 HOUR	41.7	55.0	38.4
L _{Aeq} 24 hours		44.6	
L _{Adn}		48.6	

TIME*	RESULT dB(A)		
	มาตรฐาน		
	NOVEMBER 9-10, 2023		
	T23AW663-0021		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	49.4	76.4	39.7
08:00-09:00 HOUR	48.7	74.3	39.9
09:00-10:00 HOUR	40.5	51.6	38.9
10:00-11:00 HOUR	40.9	48.5	39.9
11:00-12:00 HOUR	41.4	59.5	38.7
12:00-13:00 HOUR	42.5	55.8	39.9
13:00-14:00 HOUR	42.2	54.3	40.2
14:00-15:00 HOUR	42.0	55.1	40.1
15:00-16:00 HOUR	40.4	48.0	39.4
16:00-17:00 HOUR	41.1	54.0	39.0
17:00-18:00 HOUR	41.6	56.9	39.0
18:00-19:00 HOUR	40.6	56.8	38.5
19:00-20:00 HOUR	40.6	50.7	39.0
20:00-21:00 HOUR	40.6	48.8	38.9
21:00-22:00 HOUR	39.6	43.7	38.4
22:00-23:00 HOUR	40.0	51.0	38.8
23:00-00:00 HOUR	40.7	63.0	38.7
00:00-01:00 HOUR	41.3	53.0	38.7
01:00-02:00 HOUR	41.0	53.7	38.9
02:00-03:00 HOUR	40.1	47.6	38.8
03:00-04:00 HOUR	43.1	58.4	39.5
04:00-05:00 HOUR	40.9	54.4	39.1
05:00-06:00 HOUR	40.2	46.4	38.8
06:00-07:00 HOUR	40.6	52.4	39.0
L _{Aeq} 24 hours		42.7	
L _{Adn}		47.8	

TIME*	RESULT dB(A)		
	บ้านจตุรพักม		
	NOVEMBER 10-11, 2023		
	T23AW663-0022		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	40.6	52.0	39.1
08:00-09:00 HOUR	41.3	52.7	39.2
09:00-10:00 HOUR	41.0	49.5	39.5
10:00-11:00 HOUR	40.4	48.4	39.2
11:00-12:00 HOUR	40.4	53.5	38.8
12:00-13:00 HOUR	40.6	49.7	39.1
13:00-14:00 HOUR	40.2	44.2	39.2
14:00-15:00 HOUR	40.5	51.3	39.3
15:00-16:00 HOUR	40.4	44.4	39.3
16:00-17:00 HOUR	40.7	49.0	39.4
17:00-18:00 HOUR	40.8	49.0	39.6
18:00-19:00 HOUR	40.7	49.1	39.7
19:00-20:00 HOUR	40.6	47.7	39.6
20:00-21:00 HOUR	47.9	74.1	39.2
21:00-22:00 HOUR	40.3	54.9	38.6
22:00-23:00 HOUR	40.1	54.0	38.5
23:00-00:00 HOUR	40.6	52.3	39.0
00:00-01:00 HOUR	42.4	57.5	39.2
01:00-02:00 HOUR	41.4	64.1	39.5
02:00-03:00 HOUR	40.6	52.8	39.3
03:00-04:00 HOUR	41.2	56.8	39.6
04:00-05:00 HOUR	43.1	60.9	40.1
05:00-06:00 HOUR	44.9	57.6	40.5
06:00-07:00 HOUR	46.2	60.3	40.7
L _{Aeq} 24 hours		42.1	
L _{Adn}		49.1	



(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ภาคผนวก ก-3

ผลการติดตามตรวจสอบระดับเสียงรบกวน



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : บริเวณ GPSC/SUB (อาคาร 2)
MEASURING TYPE : AMBIENT (ANNOYANCE SOUND LEVEL) **RECEIVED DATE** : NOVEMBER 4-5, 2023
MEASURING DATE : NOVEMBER 4-5, 2023 **ANALYTICAL DATE** : NOVEMBER 4-5, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U100759
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION **WORK NO.** : 2022-006185
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET **ANALYSIS NO.** : T23AW663-0001

DATE	TIME*	RESULT (dB(A))				
		บริเวณ GPSC/SUB (อาคาร 2)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
NOVEMBER 4, 2023	DAY TIME ^{1/}					
T23AW663-0001	07:00-08:00 HOUR	63.9 ^{1/}	61.9 **	59.6 ^{1/}	60.7 **	<0.8 ^{3/}
	08:00-09:00 HOUR	63.9 ^{1/}	62.8 **	57.4 ^{1/}	61.3 **	<0.8 ^{3/}
	09:00-10:00 HOUR	63.9 ^{1/}	62.0 **	59.4 ^{1/}	60.7 **	<0.8 ^{3/}
	10:00-11:00 HOUR	63.7 ^{1/}	61.3 **	60.0 ^{1/}	60.3 **	<0.8 ^{3/}
	11:00-12:00 HOUR	65.3 ^{1/}	63.5 **	60.6 ^{1/}	62.1 **	<0.8 ^{3/}
	12:00-13:00 HOUR	65.7 ^{1/}	63.6 **	61.5 ^{1/}	62.6 **	<0.8 ^{3/}
	13:00-14:00 HOUR	65.2 ^{1/}	63.2 **	60.9 ^{1/}	62.4 **	<0.8 ^{3/}
	14:00-15:00 HOUR	67.1 ^{1/}	64.2 **	64.0 ^{1/}	62.8 **	1.2
	15:00-16:00 HOUR	64.3 ^{1/}	62.3 **	60.0 ^{1/}	61.4 **	<0.8 ^{3/}
	16:00-17:00 HOUR	64.5 ^{1/}	62.4 **	60.3 ^{1/}	61.5 **	<0.8 ^{3/}
	17:00-18:00 HOUR	63.9 ^{1/}	62.1 **	59.2 ^{1/}	61.5 **	<0.8 ^{3/}
	18:00-19:00 HOUR	64.1 ^{1/}	62.2 **	59.6 ^{1/}	61.6 **	<0.8 ^{3/}
	19:00-20:00 HOUR	63.8 ^{1/}	62.8 **	56.9 ^{1/}	61.7 **	<0.8 ^{3/}
	20:00-21:00 HOUR	61.1 ^{1/}	60.3 **	53.4 ^{1/}	59.7 **	<0.8 ^{3/}
	21:00-22:00 HOUR	61.2 ^{1/}	59.5 **	56.3 ^{1/}	59.1 **	<0.8 ^{3/}
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	61.2 ^{2/}	58.9 ***	60.3 ^{2/}	58.6 ***	1.7
	22:05-22:10 HOUR	61.3 ^{2/}	58.9 ***	60.6 ^{2/}	58.6 ***	2.0
	22:10-22:15 HOUR	61.6 ^{2/}	58.9 ***	61.3 ^{2/}	58.6 ***	2.7
	22:15-22:20 HOUR	61.3 ^{2/}	60.2 ***	57.8 ^{2/}	59.8 ***	<0.8 ^{3/}
	22:20-22:25 HOUR	61.3 ^{2/}	60.2 ***	57.8 ^{2/}	59.8 ***	<0.8 ^{3/}
	22:25-22:30 HOUR	61.4 ^{2/}	60.2 ***	58.2 ^{2/}	59.8 ***	<0.8 ^{3/}
	22:30-22:35 HOUR	61.5 ^{2/}	58.9 ***	61.0 ^{2/}	58.5 ***	2.5
	22:35-22:40 HOUR	61.3 ^{2/}	58.9 ***	60.6 ^{2/}	58.5 ***	2.1
	22:40-22:45 HOUR	61.2 ^{2/}	58.9 ***	60.3 ^{2/}	58.5 ***	1.8
	22:45-22:50 HOUR	61.1 ^{2/}	58.0 ***	61.2 ^{2/}	57.6 ***	3.6
	22:50-22:55 HOUR	61.0 ^{2/}	58.0 ***	61.0 ^{2/}	57.6 ***	3.4
	22:55-23:00 HOUR	60.9 ^{2/}	58.0 ***	60.8 ^{2/}	57.6 ***	3.2
	23:00-23:05 HOUR	61.3 ^{2/}	57.8 ***	61.7 ^{2/}	57.5 ***	4.2
	23:05-23:10 HOUR	61.0 ^{2/}	57.8 ***	61.2 ^{2/}	57.5 ***	3.7
	23:10-23:15 HOUR	60.8 ^{2/}	57.8 ***	60.8 ^{2/}	57.5 ***	3.3
	23:15-23:20 HOUR	60.8 ^{2/}	60.2 ***	54.9 ^{2/}	59.7 ***	<0.8 ^{3/}
	23:20-23:25 HOUR	60.8 ^{2/}	60.2 ***	54.9 ^{2/}	59.7 ***	<0.8 ^{3/}
	23:25-23:30 HOUR	60.8 ^{2/}	60.2 ***	54.9 ^{2/}	59.7 ***	<0.8 ^{3/}



DATE	TIME*	RESULT (dB(A))				
		บริเวณ GPSC/SUB (อาคาร 2)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
NOVEMBER 4, 2023 T23AW663-0001	NIGHT TIME ^{2/}					
	23:30-23:35 HOUR	60.7 ^{2/}	59.0 ***	58.8 ^{2/}	58.6 ***	<0.8 ^{3/}
	23:35-23:40 HOUR	60.8 ^{2/}	59.0 ***	59.1 ^{2/}	58.6 ***	<0.8 ^{3/}
	23:40-23:45 HOUR	60.9 ^{2/}	59.0 ***	59.4 ^{2/}	58.6 ***	0.8
	23:45-23:50 HOUR	60.8 ^{2/}	58.4 ***	60.1 ^{2/}	58.0 ***	2.1
	23:50-23:55 HOUR	60.5 ^{2/}	58.4 ***	59.3 ^{2/}	58.0 ***	1.3
	23:55-00:00 HOUR	60.6 ^{2/}	58.4 ***	59.6 ^{2/}	58.0 ***	1.6
NOVEMBER 5, 2023 T23AW663-0001	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	60.8 ^{2/}	58.5 ***	59.9 ^{2/}	58.0 ***	1.9
	00:05-00:10 HOUR	61.1 ^{2/}	58.5 ***	60.6 ^{2/}	58.0 ***	2.6
	00:10-00:15 HOUR	60.8 ^{2/}	58.5 ***	59.9 ^{2/}	58.0 ***	1.9
	00:15-00:20 HOUR	60.8 ^{2/}	57.6 ***	61.0 ^{2/}	57.1 ***	3.9
	00:20-00:25 HOUR	60.6 ^{2/}	57.6 ***	60.6 ^{2/}	57.1 ***	3.5
	00:25-00:30 HOUR	60.5 ^{2/}	57.6 ***	60.4 ^{2/}	57.1 ***	3.3
	00:30-00:35 HOUR	60.8 ^{2/}	58.1 ***	60.5 ^{2/}	57.7 ***	2.8
	00:35-00:40 HOUR	60.6 ^{2/}	58.1 ***	60.0 ^{2/}	57.7 ***	2.3
	00:40-00:45 HOUR	60.5 ^{2/}	58.1 ***	59.8 ^{2/}	57.7 ***	2.1
	00:45-00:50 HOUR	60.5 ^{2/}	58.7 ***	58.8 ^{2/}	58.3 ***	<0.8 ^{3/}
	00:50-00:55 HOUR	60.5 ^{2/}	58.7 ***	58.8 ^{2/}	58.3 ***	<0.8 ^{3/}
	00:55-01:00 HOUR	60.6 ^{2/}	58.7 ***	59.1 ^{2/}	58.3 ***	0.8
	01:00-01:05 HOUR	60.6 ^{2/}	58.9 ***	58.7 ^{2/}	58.3 ***	<0.8 ^{3/}
	01:05-01:10 HOUR	60.8 ^{2/}	58.9 ***	59.3 ^{2/}	58.3 ***	1.0
	01:10-01:15 HOUR	60.7 ^{2/}	58.9 ***	59.0 ^{2/}	58.3 ***	<0.8 ^{3/}
	01:15-01:20 HOUR	61.2 ^{2/}	59.3 ***	59.7 ^{2/}	58.1 ***	1.6
	01:20-01:25 HOUR	61.6 ^{2/}	59.3 ***	60.7 ^{2/}	58.1 ***	2.6
	01:25-01:30 HOUR	61.4 ^{2/}	59.3 ***	60.2 ^{2/}	58.1 ***	2.1
	01:30-01:35 HOUR	62.2 ^{2/}	61.6 ***	56.3 ^{2/}	60.1 ***	<0.8 ^{3/}
	01:35-01:40 HOUR	62.9 ^{2/}	61.6 ***	60.0 ^{2/}	60.1 ***	<0.8 ^{3/}
	01:40-01:45 HOUR	61.6 ^{2/}	61.6 ***	<0.8 ^{3/}	60.1 ***	<0.8 ^{3/}
	01:45-01:50 HOUR	63.0 ^{2/}	60.2 ***	62.8 ^{2/}	59.0 ***	3.8
	01:50-01:55 HOUR	61.6 ^{2/}	60.2 ***	59.0 ^{2/}	59.0 ***	<0.8 ^{3/}
	01:55-02:00 HOUR	61.7 ^{2/}	60.2 ***	59.4 ^{2/}	59.0 ***	<0.8 ^{3/}
	02:00-02:05 HOUR	62.8 ^{2/}	61.8 ***	58.9 ^{2/}	59.5 ***	<0.8 ^{3/}
	02:05-02:10 HOUR	62.1 ^{2/}	61.8 ***	53.3 ^{2/}	59.5 ***	<0.8 ^{3/}
	02:10-02:15 HOUR	63.2 ^{2/}	61.8 ***	60.6 ^{2/}	59.5 ***	1.1
	02:15-02:20 HOUR	63.8 ^{2/}	62.6 ***	60.6 ^{2/}	60.2 ***	<0.8 ^{3/}
	02:20-02:25 HOUR	64.0 ^{2/}	62.6 ***	61.4 ^{2/}	60.2 ***	1.2
	02:25-02:30 HOUR	63.8 ^{2/}	62.6 ***	60.6 ^{2/}	60.2 ***	<0.8 ^{3/}
	02:30-02:35 HOUR	63.7 ^{2/}	61.0 ***	63.4 ^{2/}	59.4 ***	4.0
	02:35-02:40 HOUR	62.6 ^{2/}	61.0 ***	60.5 ^{2/}	59.4 ***	1.1
	02:40-02:45 HOUR	63.2 ^{2/}	61.0 ***	62.2 ^{2/}	59.4 ***	2.8
	02:45-02:50 HOUR	63.4 ^{2/}	62.9 ***	56.8 ^{2/}	60.7 ***	<0.8 ^{3/}
	02:50-02:55 HOUR	64.0 ^{2/}	62.9 ***	60.5 ^{2/}	60.7 ***	<0.8 ^{3/}
	02:55-03:00 HOUR	65.2 ^{2/}	62.9 ***	64.3 ^{2/}	60.7 ***	3.6
	03:00-03:05 HOUR	63.3 ^{2/}	63.8 ***	<0.8 ^{3/}	59.8 ***	<0.8 ^{3/}

DATE	TIME*	RESULT (dB(A))				
		บริเวณ GPSC/SUB (อาคาร 2)				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
NOVEMBER 5, 2023 T23AW663-0001	NIGHT TIME ^{2/}					
	03:05-03:10 HOUR	64.8 ^{2/}	63.8 ***	60.9 ^{2/}	59.8 ***	1.1
	03:10-03:15 HOUR	65.2 ^{2/}	63.8 ***	62.6 ^{2/}	59.8 ***	2.8
	03:15-03:20 HOUR	64.2 ^{2/}	60.9 ***	64.5 ^{2/}	59.2 ***	5.3
	03:20-03:25 HOUR	63.1 ^{2/}	60.9 ***	62.1 ^{2/}	59.2 ***	2.9
	03:25-03:30 HOUR	63.4 ^{2/}	60.9 ***	62.8 ^{2/}	59.2 ***	3.6
	03:30-03:35 HOUR	62.0 ^{2/}	60.6 ***	59.4 ^{2/}	59.2 ***	<0.8 ^{3/}
	03:35-03:40 HOUR	62.8 ^{2/}	60.6 ***	61.8 ^{2/}	59.2 ***	2.6
	03:40-03:45 HOUR	62.7 ^{2/}	60.6 ***	61.5 ^{2/}	59.2 ***	2.3
	03:45-03:50 HOUR	62.2 ^{2/}	62.3 ***	<0.8 ^{3/}	60.0 ***	<0.8 ^{3/}
	03:50-03:55 HOUR	62.2 ^{2/}	62.3 ***	<0.8 ^{3/}	60.0 ***	<0.8 ^{3/}
	03:55-04:00 HOUR	63.1 ^{2/}	62.3 ***	58.4 ^{2/}	60.0 ***	<0.8 ^{3/}
	04:00-04:05 HOUR	69.5 ^{2/}	67.5 ***	68.2 ^{2/}	64.3 ***	3.9
	04:05-04:10 HOUR	69.8 ^{2/}	67.5 ***	68.9 ^{2/}	64.3 ***	4.6
	04:10-04:15 HOUR	68.0 ^{2/}	67.5 ***	61.4 ^{2/}	64.3 ***	<0.8 ^{3/}
	04:15-04:20 HOUR	64.0 ^{2/}	59.8 ***	64.9 ^{2/}	58.5 ***	6.4
	04:20-04:25 HOUR	62.2 ^{2/}	59.8 ***	61.5 ^{2/}	58.5 ***	3.0
	04:25-04:30 HOUR	62.7 ^{2/}	59.8 ***	62.6 ^{2/}	58.5 ***	4.1
	04:30-04:35 HOUR	61.5 ^{2/}	60.6 ***	57.2 ^{2/}	59.7 ***	<0.8 ^{3/}
	04:35-04:40 HOUR	62.4 ^{2/}	60.6 ***	60.7 ^{2/}	59.7 ***	1.0
	04:40-04:45 HOUR	62.1 ^{2/}	60.6 ***	59.8 ^{2/}	59.7 ***	<0.8 ^{3/}
	04:45-04:50 HOUR	61.8 ^{2/}	59.4 ***	61.1 ^{2/}	58.4 ***	2.7
	04:50-04:55 HOUR	61.5 ^{2/}	59.4 ***	60.3 ^{2/}	58.4 ***	1.9
	04:55-05:00 HOUR	61.7 ^{2/}	59.4 ***	60.8 ^{2/}	58.4 ***	2.4
	05:00-05:05 HOUR	61.8 ^{2/}	60.8 ***	57.9 ^{2/}	60.0 ***	<0.8 ^{3/}
	05:05-05:10 HOUR	62.1 ^{2/}	60.8 ***	59.2 ^{2/}	60.0 ***	<0.8 ^{3/}
	05:10-05:15 HOUR	61.6 ^{2/}	60.8 ***	56.9 ^{2/}	60.0 ***	<0.8 ^{3/}
	05:15-05:20 HOUR	61.3 ^{2/}	58.9 ***	60.6 ^{2/}	58.0 ***	2.6
	05:20-05:25 HOUR	61.2 ^{2/}	58.9 ***	60.3 ^{2/}	58.0 ***	2.3
	05:25-05:30 HOUR	61.5 ^{2/}	58.9 ***	61.0 ^{2/}	58.0 ***	3.0
	05:30-05:35 HOUR	62.2 ^{2/}	59.5 ***	61.9 ^{2/}	58.1 ***	3.8
	05:35-05:40 HOUR	61.4 ^{2/}	59.5 ***	59.9 ^{2/}	58.1 ***	1.8
	05:40-05:45 HOUR	61.7 ^{2/}	59.5 ***	60.7 ^{2/}	58.1 ***	2.6
	05:45-05:50 HOUR	61.3 ^{2/}	61.1 ***	50.8 ^{2/}	59.5 ***	<0.8 ^{3/}
	05:50-05:55 HOUR	63.0 ^{2/}	61.1 ***	61.5 ^{2/}	59.5 ***	2.0
	05:55-06:00 HOUR	61.7 ^{2/}	61.1 ***	55.8 ^{2/}	59.5 ***	<0.8 ^{3/}
	DAY TIME ^{1/}					
	06:00-07:00 HOUR	62.2 ^{1/}	59.8 **	58.5 ^{1/}	58.7 **	<0.8 ^{3/}

REMARK :

- 1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS L_{Aeq} 1 hour.
- 2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS L_{Aeq} 5 minutes.
- 3/ THERE IS NO IMPACT CAUSE ANNOYANCE SOUND LEVEL
- ** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 11 TIMES MEASURING.
(55 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR)
AND RESIDUAL SOUND LEVEL (L_{Aeq} 5 minutes) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
- *** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)
AND RESIDUAL SOUND LEVEL (L_{Aeq} 5 minutes) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.



(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

NOVEMBER 24, 2023

ภาคผนวก ก-4

ผลการติดตามตรวจสอบคุณภาพน้ำทิ้งที่ปล่อยออกจากพื้นที่โครงการ



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 5, 2023
SAMPLING TIME : 13:13 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR THANADET WANSANOR
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-12, 2023
REPORT NO. : 2023-U058659
WORK NO. : 2023-002132
ANALYSIS NO. : T23AM844-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AM844-0001	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.8 (30°C)	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	567 (30°C)	0.1
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	299	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR GREEN	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JULY 18, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JULY 5, 2023
SAMPLING TIME : 13:13 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR THANADET WANSANOR
ANALYZED BY : MISS NATACHA WAENNAIMUANG

RECEIVED DATE : JULY 6, 2023
ANALYTICAL DATE : JULY 6-14, 2023
REPORT NO. : 2023-U058661
WORK NO. : 2023-002132
ANALYSIS NO. : T23AM844-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AM844-0002	
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: PART 2550 B)	30	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	567 (30°C)	0.1
TOTAL PHOSPHATE °	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	0.46	0.03
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< LOQ	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JULY 18, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 2, 2023
SAMPLING TIME : 14:42 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR THANADET WANSANOR
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : AUGUST 2, 2023
ANALYTICAL DATE : AUGUST 2-8, 2023
REPORT NO. : 2023-U066147
WORK NO. : 2023-002132
ANALYSIS NO. : T23AO752-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AO752-0001	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	8.0 (29°C)	-
ELECTRICAL CONDUCTIVITY ^c	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	492 (29°C)	0.1
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	278	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR GREEN	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

AUGUST 11, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 2, 2023
SAMPLING TIME : 14:42 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR THANADET WANSANOR
ANALYZED BY : MISS NATACHA WAENNAIMUANG

RECEIVED DATE : AUGUST 2, 2023
ANALYTICAL DATE : AUGUST 2-9, 2023
REPORT NO. : 2023-U066148
WORK NO. : 2023-002132
ANALYSIS NO. : T23AO752-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AO752-0002	
TEMPERATURE	°C	THERMOMETER AT SITE (SM: PART 2550 B)	29	-
ELECTRICAL CONDUCTIVITY	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	492 (29°C)	0.1
TOTAL PHOSPHATE	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	0.31	0.03
TOTAL KJELDAHL NITROGEN	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	1.5
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.



(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

AUGUST 11, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 6, 2023
SAMPLING TIME : 13:55 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR THANADET WANSANOR
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : SEPTEMBER 6, 2023
ANALYTICAL DATE : SEPTEMBER 6-12, 2023
REPORT NO. : 2023-U078042
WORK NO. : 2023-002132
ANALYSIS NO. : T23AR467-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AR467-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.7 (29°C)	-
ELECTRICAL CONDUCTIVITY °	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	480 (29°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	ND	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	282	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.



(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

SEPTEMBER 18, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : SEPTEMBER 6, 2023
SAMPLING TIME : 13:55 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR THANADET WANSANOR
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : SEPTEMBER 6, 2023
ANALYTICAL DATE : SEPTEMBER 6-14, 2023
REPORT NO. : 2023-U078043
WORK NO. : 2023-002132
ANALYSIS NO. : T23AR467-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AR467-0002	
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: PART 2550 B)	29	-
ELECTRICAL CONDUCTIVITY °	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	480 (29°C)	0.1
TOTAL PHOSPHATE °	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	0.46	0.03
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< LOQ	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

SEPTEMBER 18, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 6, 2023
SAMPLING TIME : 08:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : OCTOBER 6, 2023
ANALYTICAL DATE : OCTOBER 6-17, 2023
REPORT NO. : 2023-U089005
WORK NO. : 2023-002132
ANALYSIS NO. : T23AT913-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AT913-0001	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.9 (28°C)	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	678 (28°C)	0.1
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	360	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

OCTOBER 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 6, 2023
SAMPLING TIME : 08:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : OCTOBER 6, 2023
ANALYTICAL DATE : OCTOBER 6-18, 2023
REPORT NO. : 2023-U089006
WORK NO. : 2023-002132
ANALYSIS NO. : T23AT913-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AT913-0002	
TEMPERATURE	°C	THERMOMETER AT SITE (SM: PART 2550 B)	28	-
ELECTRICAL CONDUCTIVITY	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	678 (28°C)	0.1
TOTAL PHOSPHATE	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	0.03	0.03
TOTAL KJELDAHL NITROGEN	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	15
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

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

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

OCTOBER 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 1, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR THANADET WANSANOR
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : NOVEMBER 1, 2023
ANALYTICAL DATE : NOVEMBER 1-8, 2023
REPORT NO. : 2023-U096720
WORK NO. : 2023-002132
ANALYSIS NO. : T23AV749-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AV749-0001	
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	8.0 (29°C)	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	572 (29°C)	0.1
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	286	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 13, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : NOVEMBER 1, 2023
SAMPLING TIME : 14:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR. THANADET WANSANOR
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : NOVEMBER 1, 2023
ANALYTICAL DATE : NOVEMBER 1-9, 2023
REPORT NO. : 2023-U096721
WORK NO. : 2023-002132
ANALYSIS NO. : T23AV749-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AV749-0002	
ELECTRICAL CONDUCTIVITY	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	572 (29°C)	0.1
TEMPERATURE	°C	THERMOMETER AT SITE (SM: PART 2550 B)	29	-
TOTAL PHOSPHATE	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	0.03	0.03
TOTAL KJELDAHL NITROGEN	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	ND	1.5
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

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


.....
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 13, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 6, 2023
SAMPLING TIME : 15:30 HOUR
SAMPLING METHOD ^c : GRAB
SAMPLING BY ^c : MR THANADET WANSANOR
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : DECEMBER 7, 2023
ANALYTICAL DATE : DECEMBER 7-13, 2023
REPORT NO. : 2023-U109077
WORK NO. : 2023-002132
ANALYSIS NO. : T23AY393-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AY393-0001	
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.6 (30°C)	-
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	605 (30°C)	0.1
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	ND	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: PART 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	320	25
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

DECEMBER 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED

ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : DECEMBER 6, 2023

SAMPLING TIME : 15:30 HOUR

SAMPLING METHOD ^c : GRAB

SAMPLING BY ^c : MR THANADET WANSANOR

ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : DECEMBER 7, 2023

ANALYTICAL DATE : DECEMBER 7-14, 2023

REPORT NO. : 2023-U109078

WORK NO. : 2023-002132

ANALYSIS NO. : T23AY393-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			COOLING EFFLUENT T23AY393-0002	
ELECTRICAL CONDUCTIVITY ^c	µS/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: PART 2510 B)	605 (30°C)	0.1
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: PART 2550 B)	30	-
TOTAL PHOSPHATE ^c	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	0.92	0.03
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< LOQ	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

DECEMBER 20, 2023



ภาคผนวก ก-5

ผลการติดตามตรวจสอบคุณภาพน้ำทะเล



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED
(42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : AUGUST 8, 2023
SAMPLING TIME : 16:40 HOUR
SAMPLING METHOD : COMPOSITE
SAMPLING BY : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : AUGUST 9, 2023
ANALYTICAL DATE : AUGUST 9-16, 2023
REPORT NO. : 2023-U070075
WORK NO. : 2022-006185
ANALYSIS NO. : T23AP241-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			REFINERY OUTFALL T23AP241-0001	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	8.1 (31°C)	-
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: PART 2550 B)	31	-
DISSOLVED OXYGEN ^c	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	5.1	0.5
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	1.3	0.5
TOTAL AMMONIA ^b	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23 rd ED., 2017, PART 4500-NH ₃ H	177	10.0
FAT, OIL AND GREASE ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

AUGUST 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED
(42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : NOVEMBER 15, 2023
SAMPLING TIME : 12:04 HOUR
SAMPLING METHOD ° : COMPOSITE
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : NOVEMBER 15, 2023
ANALYTICAL DATE : NOVEMBER 15-21, 2023
REPORT NO. : 2023-U100909
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW801-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			REFINERY OUTFALL T23AW801-0001	
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	8.1 (31°C)	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: PART 2550 B)	31	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	4.4	0.5
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.7	0.5
TOTAL AMMONIA °	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23rd ED., 2017, PART 4500-NH ₃ H	288	10.0
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR BROWN	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.
.....
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED (42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : AUGUST 8, 2023
SAMPLING TIME : 16:00 HOUR
SAMPLING METHOD : COMPOSITE
SAMPLING BY : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : AUGUST 9, 2023
ANALYTICAL DATE : AUGUST 9-16, 2023
REPORT NO. : 2023-U070076
WORK NO. : 2022-006185
ANALYSIS NO. : T23AP241-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			JETTY # 3 T23AP241-0002	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	8.2 (30°C)	-
TEMPERATURE °C	°C	THERMOMETER AT SITE (SM: PART 2550 B)	30	-
DISSOLVED OXYGEN °C	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	5.2	0.5
BIOCHEMICAL OXYGEN DEMAND °C	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	1.4	0.5
TOTAL AMMONIA ^b	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23rd ED., 2017, PART 4500-NH ₃ H	183	10.0
FAT, OIL AND GREASE ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

AUGUST 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED
(42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : NOVEMBER 15, 2023
SAMPLING TIME : 11:37 HOUR
SAMPLING METHOD ° : COMPOSITE
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : NOVEMBER 15, 2023
ANALYTICAL DATE : NOVEMBER 15-21, 2023
REPORT NO. : 2023-U100910
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW801-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			JETTY # 3 T23AW801-0002	
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	8.2 (31°C)	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: PART 2550 B)	31	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	4.5	0.5
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	1.7	0.5
TOTAL AMMONIA °	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23rd ED., 2017, PART 4500-NH ₃ H	312	10.0
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR BROWN	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED (42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : AUGUST 8, 2023
SAMPLING TIME : 15:00 HOUR
SAMPLING METHOD : COMPOSITE
SAMPLING BY : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : AUGUST 9, 2023
ANALYTICAL DATE : AUGUST 9-16, 2023
REPORT NO. : 2023-U070077
WORK NO. : 2022-006185
ANALYSIS NO. : T23AP241-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			CONVENTIONAL BUOY MOORING T23AP241-0003	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	8.2 (31°C)	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: PART 2550 B)	31	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	5.2	0.5
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	1.7	0.5
TOTAL AMMONIA ^b	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23rd ED., 2017, PART 4500-NH ₃ H	207	10.0
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.


.....
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

AUGUST 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED
(42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : NOVEMBER 15, 2023
SAMPLING TIME : 10:56 HOUR
SAMPLING METHOD ° : COMPOSITE
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA
RECEIVED DATE : NOVEMBER 15, 2023
ANALYTICAL DATE : NOVEMBER 15-21, 2023
REPORT NO. : 2023-U100911
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW801-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			CONVENTIONAL BUOY MOORING T23AW801-0003	
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H+ B AND 1060 B	8.1 (31°C)	-
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: PART 2550 B)	31	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	4.7	0.5
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	1.2	0.5
TOTAL AMMONIA °	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23rd ED., 2017, PART 4500-NH ₃ H	125	10.0
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR BROWN	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED
(42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : AUGUST 8, 2023
SAMPLING TIME : 14:30 HOUR
SAMPLING METHOD : COMPOSITE
SAMPLING BY : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : AUGUST 9, 2023
ANALYTICAL DATE : AUGUST 9-16, 2023
REPORT NO. : 2023-U070078
WORK NO. : 2022-006185
ANALYSIS NO. : T23AP241-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			SINGLE BUOY MOORING 1 T23AP241-0004	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	8.2 (31°C)	-
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: PART 2550 B)	31	-
DISSOLVED OXYGEN ^c	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	5.1	0.5
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.4	0.5
TOTAL AMMONIA ^b	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23 rd ED., 2017, PART 4500-NH ₃ H	239	10.0
FAT, OIL AND GREASE ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

AUGUST 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
SAMPLING SOURCE : IN FRONT OF THAI OIL PUBLIC COMPANY LIMITED
(42/1 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA, SRIRACHA, CHONBURI 20230.)
SAMPLE TYPE : SEAWATER
SAMPLING DATE : NOVEMBER 15, 2023
SAMPLING TIME : 10:36 HOUR
SAMPLING METHOD ^c : COMPOSITE
SAMPLING BY ^c : MR ANUSART SUAYDEE
ANALYZED BY : MISS KANNIKAR SUMLEETHA
RECEIVED DATE : NOVEMBER 15, 2023
ANALYTICAL DATE : NOVEMBER 15-21, 2023
REPORT NO. : 2023-U100912
WORK NO. : 2022-006185
ANALYSIS NO. : T23AW801-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			SINGLE BUOY MOORING 1 T23AW801-0004	
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	8.1 (30°C)	-
TEMPERATURE ^c	°C	THERMOMETER AT SITE (SM: PART 2550 B)	30	-
DISSOLVED OXYGEN ^c	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: PART 4500-O G)	4.5	0.5
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	1.6	0.5
TOTAL AMMONIA ^b	µg/L N	IN-HOUSE METHOD: UAE.TP.WAT.001 BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA&WEF, 23 rd ED., 2017, PART 4500-NH ₃ H	269	10.0
FAT, OIL AND GREASE ^c	mg/L	SOXHLET EXTRACTION METHOD (SM: PART 5520 D)	ND	3
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ภาคผนวก ก-6

ผลการติดตามตรวจสอบระดับเสียงเฉลี่ย 5 นาที



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angana.t@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (NOISE) **RECEIVED DATE** : SEPTEMBER 21, 2023
MEASURING DATE : SEPTEMBER 21, 2023 **ANALYTICAL DATE** : SEPTEMBER 21, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U081645
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-006185
MEASURED BY : MR KHWANCHAI PHONTHUK **ANALYSIS NO.** : T23AS892-0001 - T23AS892-0024

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT (dB(A))	
			L _{Aeq} 5 min	L _{Amax} 5 min
T23AS892-0001	BFP CT2	08:30-08:35	66.9	71.0
T23AS892-0002	STEAM LINE HRSG 2	08:32-08:37	64.1	67.3
T23AS892-0003	CT2 ENCLOSURE 1	08:34-08:39	63.2	66.4
T23AS892-0004	BLOW DOWN TANK CT2	08:36-08:41	65.1	69.5
T23AS892-0005	CT2 ENCLOSURE 2	08:43-08:48	64.3	66.7
T23AS892-0006	AIR INLET CT2	08:45-08:50	73.8	76.8
T23AS892-0007	CT2 TRANSFORMER	08:47-08:52	65.6	67.1
T23AS892-0008	CT2 GENERATOR	08:49-08:54	77.7	78.0
T23AS892-0009	MECHANICAL PACKAGE 2	08:56-09:01	76.5	77.8
T23AS892-0010	BFP CT1	08:58-09:03	60.9	63.5
T23AS892-0011	STEAM LINE HRSG 1	09:00-09:05	63.4	66.5
T23AS892-0012	CT1 ENCLOSURE 1	09:02-09:07	65.1	68.7
T23AS892-0013	BLOW DOWN TANK CT1	09:09-09:14	60.9	62.4
T23AS892-0014	CT1 ENCLOSURE 2	09:11-09:16	68.5	69.1
T23AS892-0015	AIR INLET CT1	09:13-09:18	74.0	74.4
T23AS892-0016	CT1 TRANSFORMER	09:15-09:20	67.9	68.9
T23AS892-0017	CT1 GENERATOR	09:22-09:27	78.8	79.2
T23AS892-0018	MECHANICAL PACKAGE 1	09:24-09:29	76.8	77.9
T23AS892-0019	ST TRANSFORMER	09:26-09:31	66.2	67.1
T23AS892-0020	ST GENERATOR	09:28-09:33	74.1	77.4
T23AS892-0021	CONDENSER	09:34-09:39	71.9	83.4
T23AS892-0022	ST LUBE OIL COOLER	09:36-09:41	75.4	77.8
T23AS892-0023	AUXILIATY CW PUMP	09:38-09:43	73.9	74.8
T23AS892-0024	CIRCULATING PUMP	09:40-09:45	60.8	68.9

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

SEPTEMBER 26, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angkana.t@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (NOISE) **RECEIVED DATE** : NOVEMBER 2, 2023
MEASURING DATE : NOVEMBER 2, 2023 **ANALYTICAL DATE** : NOVEMBER 2, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U096077
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-006185
MEASURED BY : MR KHWANCHAI PHONTHUK **ANALYSIS NO.** : T23AW078-0001 - T23AW078-0024

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT (dB(A))	
			L _{Aeq} 5 min	L _{Amax} 5 min
T23AW078-0001	BFP CT2	10:00-10:05	61.0	69.4
T23AW078-0002	STEAM LINE HRSG 2	10:02-10:07	60.4	69.0
T23AW078-0003	CT2 ENCLOSURE 1	10:04-10:09	61.6	64.1
T23AW078-0004	BLOW DOWN TANK CT2	10:06-10:11	60.1	63.4
T23AW078-0005	CT2 ENCLOSURE 2	10:12-10:17	62.4	66.5
T23AW078-0006	AIR INLET CT2	10:14-10:19	72.8	73.5
T23AW078-0007	CT2 TRANSFORMER	10:16-10:21	65.2	67.7
T23AW078-0008	CT2 GENERATOR	10:18-10:23	78.3	80.2
T23AW078-0009	MECHANICAL PACKAGE 2	10:24-10:29	75.7	76.4
T23AW078-0010	BFP CT1	10:26-10:31	60.3	62.3
T23AW078-0011	STEAM LINE HRSG 1	10:28-10:33	60.4	61.7
T23AW078-0012	CT1 ENCLOSURE 1	10:30-10:35	63.1	67.4
T23AW078-0013	BLOW DOWN TANK CT1	10:36-10:41	61.0	67.3
T23AW078-0014	CT1 ENCLOSURE 2	10:38-10:43	68.2	69.1
T23AW078-0015	AIR INLET CT1	10:40-10:45	74.8	75.5
T23AW078-0016	CT1 TRANSFORMER	10:42-10:47	66.8	69.0
T23AW078-0017	CT1 GENERATOR	10:48-10:53	78.8	79.2
T23AW078-0018	MECHANICAL PACKAGE 1	10:50-10:55	76.4	78.7
T23AW078-0019	ST TRANSFORMER	10:52-10:57	65.0	66.1
T23AW078-0020	ST GENERATOR	10:54-10:59	73.8	74.1
T23AW078-0021	CONDENSER	11:00-11:05	71.4	72.6
T23AW078-0022	ST LUBE OIL COOLER	11:02-11:07	70.9	71.5
T23AW078-0023	AUXILIARY CW PUMP	11:04-11:09	70.2	72.7
T23AW078-0024	CIRCULATING PUMP	11:06-11:11	61.4	67.4

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

NOVEMBER 9, 2023



ภาคผนวก ก-7

ผลการติดตามตรวจสอบระดับเสียงเฉลี่ย 8 ชั่วโมง และ 12 ชั่วโมง



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (NOISE) **RECEIVED DATE** : NOVEMBER 22, 2023
MEASURING DATE : NOVEMBER 22, 2023 **ANALYTICAL DATE** : NOVEMBER 22, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U102378
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-006185
MEASURED BY : MR KHWANCHAI PHONTHUK **ANALYSIS NO.** : T23AX412-0001

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT (dB(A))	
			L _{Aeq} 8 hours	L _{Amax} 8 hours
T23AX412-0001	บริเวณหน่วยผลิต	08:20-16:20	62.9	75.9

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

NOVEMBER 27, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (NOISE) **RECEIVED DATE** : NOVEMBER 22, 2023
MEASURING DATE : NOVEMBER 22, 2023 **ANALYTICAL DATE** : NOVEMBER 22, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U102379
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER **WORK NO.** : 2022-006185
MEASURED BY : MR KHWANCHAI PHONTHUK **ANALYSIS NO.** : T23AX414-0001

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT (dB(A))	
			L _{Aeq} 12 hours	L _{Amax} 12 hours
T23AX414-0001	บริเวณหน่วยผลิต	08:20-20:20	62.9	75.9



(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

NOVEMBER 27, 2023



ภาคผนวก ก-8

ผลการติดตามตรวจสอบคุณภาพอากาศในสถานประกอบการ



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angana.t@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 22, 2023
SAMPLING TIME : 08:25-09:55 HOUR
SAMPLING BY : MR KHWANCHAI PHONTHUK
ANALYZED BY : MISS SUWAN KONGTHONG
RECEIVED DATE : NOVEMBER 23, 2023
ANALYTICAL DATE : NOVEMBER 23-24, 2023
REPORT NO. : 2023-U102803
WORK NO. : 2022-006185
ANALYSIS NO. : T23AX411-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			COOLING TOWER T23AX411-0001
SODIUM HYPOCHLORITE	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 6011) AND CALCULATION METHOD	< 0.001
SAMPLE CONDITION			COMPLETE

REMARK
 RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
 LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angsana.t@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 22, 2023
SAMPLING TIME : 08:30-16:30 HOUR
SAMPLING BY : MR KHWANCHAI PHONTHUK
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : NOVEMBER 23, 2023
ANALYTICAL DATE : NOVEMBER 23-27, 2023
REPORT NO. : 2023-U102804
WORK NO. : 2022-006185
ANALYSIS NO. : T23AX411-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			DEMIN BUILDING T23AX411-0002
SODIUM HYDROXIDE	mg/m ³	TITRATION METHOD (NIOSH METHOD 7401)	< 0.04
SULPHURIC ACID	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	< 0.001
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 555/2 ENERGY COMPLEX BUILDING B, 14 TH FLOOR, VIBHVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angsana.t@gpscgroup.com
SAMPLING SOURCE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED 42/3 MOO 1, SUKHUMVIT ROAD KM.124, TUNGSUKLA SIRACHA, CHONBURI 20230.
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : NOVEMBER 22, 2023
SAMPLING TIME : 08:33-16:33 HOUR
SAMPLING BY : MR KHWANCHAI PHONTHUK
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : NOVEMBER 23, 2023
ANALYTICAL DATE : NOVEMBER 23-27, 2023
REPORT NO. : 2023-U102805
WORK NO. : 2022-006185
ANALYSIS NO. : T23AX411-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			NEUTRALIZATION SUMP T23AX411-0003
SODIUM HYDROXIDE	mg/m ³	TITRATION METHOD (NIOSH METHOD 7401)	< 0.04
SULPHURIC ACID	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	< 0.001
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 08 5314 3115 e-mail : kingkarn.kh@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (AIR) **RECEIVED DATE** : NOVEMBER 22, 2023
MEASURING DATE : NOVEMBER 22, 2023 **ANALYTICAL DATE** : NOVEMBER 22, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U102377
MEASURING EQUIPMENT : THC ANALYZER **WORK NO.** : 2022-006185
MEASURED BY : MR KHWANCHAI PHONTHUK **ANALYSIS NO.** : T23AX411-0004 - T23AX411-0005

ANALYSIS NO.	MEASURING SITE	TIME*	RESULT (ppm)
			TOTAL HYDROCARBONS
T23AX411-0004	PROPANE TANK	08:37-16:37 HOUR	2.90
T23AX411-0005	NG GAS SEPARATOR OF GT-11	08:42-16:42 HOUR	2.98

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

NOVEMBER 28, 2023



ภาคผนวก ก-9

ผลการติดตามตรวจสอบความเข้มของแสงสว่างในสถานประกอบการ



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angšana.t@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (LIGHT INTENSITY) **RECEIVED DATE** : SEPTEMBER 26, 2023
MEASURING DATE : SEPTEMBER 26, 2023 **ANALYTICAL DATE** : SEPTEMBER 26, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U084528
MEASURING EQUIPMENT : LUX METER **WORK NO.** : 2022-006185
MEASURED BY : MR KHWANCHAI PHONTHUK **ANALYSIS NO.** : T23AT276-0001 - T23AT276-0312

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
	MAIN ADMINISTRATION OFFICE BUILDING CHEMICAL LAB			
T23AT276-0001	B01	09:30 HOUR	-	716
T23AT276-0002	B02	09:31 HOUR	-	821
T23AT276-0003	B03	09:32 HOUR	-	701
T23AT276-0004	B04	09:33 HOUR	-	614
	AVERAGE		-	713
	OFFICE AREA			
T23AT276-0005	B079	09:35 HOUR	-	436
T23AT276-0006	B080	09:36 HOUR	-	973
T23AT276-0007	B081	09:37 HOUR	-	869
T23AT276-0008	B082	09:38 HOUR	-	905
T23AT276-0009	B083	09:39 HOUR	-	1,016
T23AT276-0010	B084	09:40 HOUR	-	801
T23AT276-0011	B085	09:41 HOUR	-	773
T23AT276-0012	B086	09:42 HOUR	-	701
	AVERAGE		-	809
T23AT276-0013	B073	09:44 HOUR	-	440
T23AT276-0014	B074	09:45 HOUR	-	412
T23AT276-0015	B075	09:46 HOUR	-	405
T23AT276-0016	B076	09:47 HOUR	-	397
T23AT276-0017	B077	09:48 HOUR	-	421
T23AT276-0018	B078	09:49 HOUR	-	387
	AVERAGE		-	410
T23AT276-0019	B069	09:51 HOUR	-	609
T23AT276-0020	B070	09:52 HOUR	-	641
T23AT276-0021	B071	09:53 HOUR	-	600
T23AT276-0022	B072	09:54 HOUR	-	610
	AVERAGE		-	615
T23AT276-0023	B065	09:56 HOUR	-	609
T23AT276-0024	B066	09:57 HOUR	-	605



ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
T23AT276-0025	B067	09:58 HOUR	-	592
T23AT276-0026	B068	09:59 HOUR	-	560
	AVERAGE		-	591
	MEETING ROOM			
T23AT276-0027	B062	10:01 HOUR	-	417
T23AT276-0028	B063	10:02 HOUR	-	408
	AVERAGE		-	413
T23AT276-0029	B056	10:04 HOUR	-	585
T23AT276-0030	B057	10:05 HOUR	-	627
T23AT276-0031	B058	10:06 HOUR	-	876
T23AT276-0032	B059	10:07 HOUR	-	709
T23AT276-0033	B060	10:08 HOUR	-	599
T23AT276-0034	B061	10:09 HOUR	-	574
	AVERAGE		-	662
T23AT276-0035	B049	10:11 HOUR	-	387
T23AT276-0036	B050	10:12 HOUR	-	470
T23AT276-0037	B051	10:13 HOUR	-	513
T23AT276-0038	B052	10:14 HOUR	-	486
T23AT276-0039	B053	10:15 HOUR	-	500
T23AT276-0040	B054	10:16 HOUR	-	495
T23AT276-0041	B055	10:17 HOUR	-	510
T23AT276-0042	B135	10:18 HOUR	-	489
	AVERAGE		-	481
	ENGINEERING MEETING ROOM			
T23AT276-0043	B022	10:20 HOUR	-	585
T23AT276-0044	B023	10:21 HOUR	-	627
T23AT276-0045	B024	10:22 HOUR	-	587
T23AT276-0046	B025	10:23 HOUR	-	472
	AVERAGE		-	568
	CONTROL ROOM			
T23AT276-0047	B044	10:25 HOUR	464	-
T23AT276-0048	B045	10:26 HOUR	-	650
T23AT276-0049	B046	10:27 HOUR	-	470
T23AT276-0050	B047	10:28 HOUR	-	689
T23AT276-0051	B048	10:29 HOUR	-	401
	AVERAGE		-	552
	MAINTENANCE MEETING CORNER			
T23AT276-0052	B033	10:31 HOUR	-	866
T23AT276-0053	B139	10:32 HOUR	-	877
	AVERAGE		-	872
	OFFICE AREA			
T23AT276-0054	B036	10:34 HOUR	-	612
T23AT276-0055	B037	10:35 HOUR	-	589

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
T23AT276-0056	B038	10:36 HOUR	-	490
T23AT276-0057	B039	10:37 HOUR	-	616
T23AT276-0058	B040	10:38 HOUR	-	656
T23AT276-0059	B041	10:39 HOUR	-	737
	AVERAGE		-	617
T23AT276-0060	B042	10:41 HOUR	-	520
T23AT276-0061	B043	10:42 HOUR	-	507
	AVERAGE		-	514
	TOILET AREA AT ENGINEERING OFFICE			
T23AT276-0062	B034	10:44 HOUR	-	120
T23AT276-0063	B035	10:45 HOUR	-	114
	AVERAGE		-	117
	FRONT RECEPTION AND MAIN CORRIDOR			
T23AT276-0064	B005	10:47 HOUR	-	806
T23AT276-0065	B006	10:48 HOUR	-	628
T23AT276-0066	B007	10:49 HOUR	-	879
T23AT276-0067	B008	10:50 HOUR	-	939
T23AT276-0068	B009	10:51 HOUR	-	933
T23AT276-0069	B010	10:52 HOUR	-	826
T23AT276-0070	B011	10:53 HOUR	-	439
T23AT276-0071	B012	10:54 HOUR	-	395
T23AT276-0072	B013	10:55 HOUR	-	860
T23AT276-0073	B014	10:56 HOUR	-	980
T23AT276-0074	B015	10:57 HOUR	-	758
T23AT276-0075	B016	10:58 HOUR	-	783
T23AT276-0076	B017	10:59 HOUR	-	316
T23AT276-0077	B018	11:00 HOUR	-	289
T23AT276-0078	B019	11:01 HOUR	-	475
T23AT276-0079	B020	11:02 HOUR	-	129
T23AT276-0080	B021	11:03 HOUR	-	148
T23AT276-0081	B026	11:04 HOUR	-	400
T23AT276-0082	B027	11:05 HOUR	-	379
T23AT276-0083	B028	11:06 HOUR	-	505
T23AT276-0084	B029	11:07 HOUR	-	486
T23AT276-0085	B030	11:08 HOUR	-	355
T23AT276-0086	B031	11:09 HOUR	-	408
T23AT276-0087	B032	11:10 HOUR	-	314
T23AT276-0088	B064	11:11 HOUR	-	365
	AVERAGE		-	552
	FINANCE OFFICE			
T23AT276-0089	B136	11:13 HOUR	-	806
T23AT276-0090	B137	11:14 HOUR	-	514
	AVERAGE		-	660

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
T23AT276-0091	CANTEEN B090	11:16 HOUR	-	808
T23AT276-0092	B091	11:17 HOUR	-	788
T23AT276-0093	B092	11:18 HOUR	-	776
T23AT276-0094	B093	11:19 HOUR	-	710
T23AT276-0095	B094	11:20 HOUR	-	716
T23AT276-0096	B095	11:21 HOUR	-	701
	AVERAGE		-	750
T23AT276-0097	FINESS ROOM B100	11:23 HOUR	-	471
T23AT276-0098	B138	11:24 HOUR	-	409
	AVERAGE		-	440
T23AT276-0099	FINANCE OFFICE MEETING ROOM B104	11:26 HOUR	-	882
T23AT276-0100	B105	11:27 HOUR	-	896
T23AT276-0101	B106	11:28 HOUR	-	907
T23AT276-0102	B107	11:29 HOUR	-	940
	AVERAGE		-	906
T23AT276-0103	FIRST AID ROOM B108	11:31 HOUR	-	583
T23AT276-0104	B109	11:32 HOUR	-	480
	AVERAGE		-	532
T23AT276-0105	TOILET AREA AT FINANCE OFFICE B101	11:34 HOUR	-	315
T23AT276-0106	B102	11:35 HOUR	-	241
	AVERAGE		-	278
T23AT276-0107	SECOND CORRIDOR AT FINANCE OFFICE B087	11:37 HOUR	-	227
T23AT276-0108	B088	11:38 HOUR	-	263
T23AT276-0109	B089	11:39 HOUR	-	300
T23AT276-0110	B096	11:40 HOUR	-	450
T23AT276-0111	B097	11:41 HOUR	-	228
T23AT276-0112	B098	11:42 HOUR	-	350
T23AT276-0113	B099	11:43 HOUR	-	286
T23AT276-0114	B103	11:44 HOUR	-	246
	AVERAGE		-	294
T23AT276-0115	WAREHOUSE TRAINING ROOM W025	11:47 HOUR	-	584
T23AT276-0116	W026	11:48 HOUR	-	600
T23AT276-0117	W027	11:49 HOUR	-	891

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
T23AT276-0118	W028	11:50 HOUR	-	873
T23AT276-0119	W029	11:51 HOUR	-	708
	AVERAGE		-	731
	INVENTORY STORAGE OFFICE			
T23AT276-0120	W033	11:53 HOUR	-	940
T23AT276-0121	W034	11:54 HOUR	-	857
	AVERAGE		-	898
	INVENTORY STORAGE AREA			
T23AT276-0122	W030	11:56 HOUR	-	1,006
T23AT276-0123	W031	11:57 HOUR	-	988
T23AT276-0124	W032	11:58 HOUR	-	2,052
T23AT276-0125	W035	11:59 HOUR	-	966
T23AT276-0126	W036	12:00 HOUR	-	1,025
T23AT276-0127	W037	12:01 HOUR	-	314
T23AT276-0128	W038	12:02 HOUR	-	299
T23AT276-0129	W039	12:03 HOUR	-	484
T23AT276-0130	W040	12:04 HOUR	-	1,193
T23AT276-0131	W041	12:05 HOUR	-	741
T23AT276-0132	W042	12:06 HOUR	-	548
T23AT276-0133	W043	12:07 HOUR	-	528
T23AT276-0134	W044	12:08 HOUR	-	1,055
T23AT276-0135	W045	12:09 HOUR	-	363
T23AT276-0136	W046	12:10 HOUR	-	1,545
T23AT276-0137	W047	12:11 HOUR	-	1,299
T23AT276-0138	W048	12:12 HOUR	-	2,076
T23AT276-0139	W049	12:13 HOUR	-	438
	AVERAGE		-	940
	INVENTORY STORAGE ROOM			
T23AT276-0140	W050	12:15 HOUR	-	509
T23AT276-0141	W051	12:16 HOUR	-	657
T23AT276-0142	W052	12:17 HOUR	-	494
T23AT276-0143	W053	12:18 HOUR	-	464
T23AT276-0144	W054	12:19 HOUR	-	401
	AVERAGE		-	505
	CT 2 MECHANICAL PACKAGE			
T23AT276-0145	A120	19:00 HOUR	-	387
T23AT276-0146	A121	19:01 HOUR	-	458
T23AT276-0147	A122	19:02 HOUR	-	401
	AVERAGE		-	415
	DOORWAY PCC 2			
T23AT276-0148	A128	19:04 HOUR	-	257
T23AT276-0149	A135	19:05 HOUR	-	240
	AVERAGE		-	249

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
	CT 1 MECHANICAL PACKAGE			
T23AT276-0150	A89	19:07 HOUR	-	390
T23AT276-0151	A90	19:08 HOUR	-	509
T23AT276-0152	A91	19:09 HOUR	-	233
	AVERAGE		-	378
	DOORWAY PCC 1			
T23AT276-0153	A97	19:11 HOUR	-	226
T23AT276-0154	A103	19:12 HOUR	-	286
	AVERAGE		-	256
	COOLING TOWER ELECTRICAL BUILDING			
T23AT276-0155	T001	19:14 HOUR	-	80
T23AT276-0156	T005	19:15 HOUR	-	83
T23AT276-0157	T009	19:16 HOUR	-	102
T23AT276-0158	T011	19:17 HOUR	-	95
T23AT276-0159	T014	19:18 HOUR	-	87
T23AT276-0160	T016	19:19 HOUR	-	69
T23AT276-0161	T017	19:20 HOUR	-	93
T23AT276-0162	T018	19:21 HOUR	-	113
T23AT276-0163	T019	19:22 HOUR	-	97
T23AT276-0164	T021	19:23 HOUR	-	88
T23AT276-0165	T023	19:24 HOUR	-	94
T23AT276-0166	T025	19:25 HOUR	-	81
T23AT276-0167	T026	19:26 HOUR	-	97
T23AT276-0168	T027	19:27 HOUR	-	92
T23AT276-0169	T028	19:28 HOUR	-	86
T23AT276-0170	T029	19:29 HOUR	-	79
	AVERAGE		-	90
	HRSG 2 (BOILER PLATFORM)			
T23AT276-0171	A106	19:31 HOUR	-	95
T23AT276-0172	A107	19:32 HOUR	-	110
T23AT276-0173	A109	19:33 HOUR	-	114
T23AT276-0174	A110	19:34 HOUR	-	133
T23AT276-0175	A114	19:35 HOUR	-	146
T23AT276-0176	A115	19:36 HOUR	-	156
T23AT276-0177	A116	19:37 HOUR	-	128
T23AT276-0178	A117	19:38 HOUR	-	97
T23AT276-0179	A118	19:39 HOUR	-	83
T23AT276-0180	A119	19:40 HOUR	-	99
	AVERAGE		-	116
	HRSG 2			
T23AT276-0181	H001	19:42 HOUR	-	120
T23AT276-0182	H002	19:43 HOUR	-	121
T23AT276-0183	H003	19:44 HOUR	-	106

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
T23AT276-0184	H004	19:45 HOUR	-	93
T23AT276-0185	H005	19:46 HOUR	-	97
T23AT276-0186	H006	19:47 HOUR	-	84
T23AT276-0187	H007	19:48 HOUR	-	88
T23AT276-0188	H008	19:49 HOUR	-	106
T23AT276-0189	H009	19:50 HOUR	-	114
T23AT276-0190	H010	19:51 HOUR	-	125
T23AT276-0191	H011	19:52 HOUR	-	107
T23AT276-0192	H012	19:53 HOUR	-	128
T23AT276-0193	H013	19:54 HOUR	-	120
T23AT276-0194	H014	19:55 HOUR	-	94
T23AT276-0195	H015	19:56 HOUR	-	98
T23AT276-0196	H016	19:57 HOUR	-	87
T23AT276-0197	H017	19:58 HOUR	-	75
T23AT276-0198	H018	19:59 HOUR	-	106
T23AT276-0199	H019	20:00 HOUR	-	117
T23AT276-0200	H020	20:01 HOUR	-	102
T23AT276-0201	H021	20:02 HOUR	-	97
T23AT276-0202	H022	20:03 HOUR	-	78
T23AT276-0203	H023	20:04 HOUR	-	132
T23AT276-0204	H024	20:05 HOUR	-	128
T23AT276-0205	H025	20:06 HOUR	-	114
T23AT276-0206	H026	20:07 HOUR	-	105
T23AT276-0207	H027	20:08 HOUR	-	94
T23AT276-0208	H028	20:09 HOUR	-	86
T23AT276-0209	H029	20:10 HOUR	-	109
T23AT276-0210	H030	20:11 HOUR	-	79
T23AT276-0211	H031	20:12 HOUR	-	95
T23AT276-0212	H032	20:13 HOUR	-	94
T23AT276-0213	H033	20:14 HOUR	-	84
T23AT276-0214	H034	20:15 HOUR	-	116
T23AT276-0215	H035	20:16 HOUR	-	118
	AVERAGE		-	103
T23AT276-0216	H036	20:18 HOUR	-	127
T23AT276-0217	H037	20:19 HOUR	-	132
T23AT276-0218	H038	20:20 HOUR	-	125
T23AT276-0219	H039	20:21 HOUR	-	113
T23AT276-0220	H040	20:22 HOUR	-	174
T23AT276-0221	H041	20:23 HOUR	-	146
T23AT276-0222	H042	20:24 HOUR	-	133
T23AT276-0223	H043	20:25 HOUR	-	118
T23AT276-0224	H044	20:26 HOUR	-	188
	AVERAGE		-	140

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
T23AT276-0225	H045	20:28 HOUR	-	145
T23AT276-0226	H046	20:29 HOUR	-	136
T23AT276-0227	H047	20:30 HOUR	-	189
T23AT276-0228	H048	20:31 HOUR	-	204
T23AT276-0229	H049	20:32 HOUR	-	197
T23AT276-0230	H050	20:33 HOUR	-	162
T23AT276-0231	H051	20:34 HOUR	-	187
T23AT276-0232	H052	20:35 HOUR	-	147
T23AT276-0233	H053	20:36 HOUR	-	139
T23AT276-0234	H054	20:37 HOUR	-	129
T23AT276-0235	H055	20:38 HOUR	-	163
T23AT276-0236	H056	20:39 HOUR	-	119
T23AT276-0237	H057	20:40 HOUR	-	128
	AVERAGE		-	157
T23AT276-0238	H058	20:42 HOUR	-	145
T23AT276-0239	H059	20:43 HOUR	-	125
T23AT276-0240	H060	20:44 HOUR	-	134
T23AT276-0241	H061	20:45 HOUR	-	134
T23AT276-0242	H062	20:46 HOUR	-	188
T23AT276-0243	H063	20:47 HOUR	-	173
T23AT276-0244	H064	20:48 HOUR	-	146
T23AT276-0245	H065	20:49 HOUR	-	141
T23AT276-0246	H066	20:50 HOUR	-	129
T23AT276-0247	H067	20:51 HOUR	-	129
T23AT276-0248	H068	20:52 HOUR	-	149
T23AT276-0249	H069	20:53 HOUR	-	185
T23AT276-0250	H070	20:54 HOUR	-	163
T23AT276-0251	H071	20:55 HOUR	-	140
T23AT276-0252	H072	20:56 HOUR	-	138
	AVERAGE		-	148
T23AT276-0253	H073	20:58 HOUR	-	122
T23AT276-0254	H074	20:59 HOUR	-	118
T23AT276-0255	H075	21:00 HOUR	-	109
T23AT276-0256	H076	21:01 HOUR	-	124
T23AT276-0257	H077	21:02 HOUR	-	140
	AVERAGE		-	123
	HRSG 1 (BOILER PLATFORM)			
T23AT276-0258	A075	21:04 HOUR	-	112
T23AT276-0259	A076	21:05 HOUR	-	96
T23AT276-0260	A077	21:06 HOUR	-	117
T23AT276-0261	A078	21:07 HOUR	-	122
T23AT276-0262	A079	21:08 HOUR	-	96
T23AT276-0263	A083	21:09 HOUR	-	79

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
T23AT276-0264	A084	21:10 HOUR	-	98
T23AT276-0265	A085	21:11 HOUR	-	104
T23AT276-0266	A086	21:12 HOUR	-	122
T23AT276-0267	A087	21:13 HOUR	-	119
T23AT276-0268	A088	21:14 HOUR	-	108
	AVERAGE		-	107
	HRSG 1			
T23AT276-0269	H001	21:16 HOUR	-	130
T23AT276-0270	H002	21:17 HOUR	-	143
T23AT276-0271	H003	21:18 HOUR	-	127
T23AT276-0272	H004	21:19 HOUR	-	118
T23AT276-0273	H005	21:20 HOUR	-	109
T23AT276-0274	H006	21:21 HOUR	-	116
T23AT276-0275	H007	21:22 HOUR	-	110
T23AT276-0276	H008	21:23 HOUR	-	124
T23AT276-0277	H009	21:24 HOUR	-	133
T23AT276-0278	H010	21:25 HOUR	-	138
T23AT276-0279	H011	21:26 HOUR	-	142
T23AT276-0280	H012	21:27 HOUR	-	115
T23AT276-0281	H013	21:28 HOUR	-	137
T23AT276-0282	H014	21:29 HOUR	-	109
T23AT276-0283	H015	21:30 HOUR	-	134
T23AT276-0284	H016	21:31 HOUR	-	151
T23AT276-0285	H017	21:32 HOUR	-	126
T23AT276-0286	H018	21:33 HOUR	-	102
T23AT276-0287	H019	21:34 HOUR	-	97
T23AT276-0288	H020	21:35 HOUR	-	89
T23AT276-0289	H021	21:36 HOUR	-	103
T23AT276-0290	H022	21:37 HOUR	-	129
T23AT276-0291	H023	21:38 HOUR	-	114
T23AT276-0292	H024	21:39 HOUR	-	138
T23AT276-0293	H025	21:40 HOUR	-	109
T23AT276-0294	H026	21:41 HOUR	-	100
T23AT276-0295	H027	21:42 HOUR	-	116
T23AT276-0296	H028	21:43 HOUR	-	129
T23AT276-0297	H029	21:44 HOUR	-	135
T23AT276-0298	H030	21:45 HOUR	-	149
T23AT276-0299	H031	21:46 HOUR	-	129
T23AT276-0300	H032	21:47 HOUR	-	115
T23AT276-0301	H033	21:48 HOUR	-	130
T23AT276-0302	H034	21:49 HOUR	-	128
T23AT276-0303	H035	21:50 HOUR	-	100
	AVERAGE		-	122

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)	
			LIGHT INTENSITY	
			SPOT MEASUREMENT	AREA MEASUREMENT
	STEAM TURBINE ENCLOSURE			
T23AT276-0304	A065	21:52 HOUR	-	147
T23AT276-0305	A066	21:53 HOUR	-	116
T23AT276-0306	A067	21:54 HOUR	-	132
T23AT276-0307	A068	21:55 HOUR	-	130
T23AT276-0308	A069	21:56 HOUR	-	135
T23AT276-0309	A070	21:57 HOUR	-	129
T23AT276-0310	A071	21:58 HOUR	-	118
T23AT276-0311	A072	21:59 HOUR	-	127
T23AT276-0312	A073	22:00 HOUR	-	163
	AVERAGE		-	133

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

OCTOBER 19, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angšana.t@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (LIGHT INTENSITY)
MEASURING DATE : SEPTEMBER 26, 2023
MEASURING TIME : *
MEASURING EQUIPMENT : LUX METER
MEASURED BY : MISS CHAMANDA KIMAKOM
RECEIVED DATE : SEPTEMBER 26, 2023
ANALYTICAL DATE : SEPTEMBER 26, 2023
REPORT NO. : 2023-U089312
WORK NO. : 2022-006185
ANALYSIS NO. : T23AT277-0001 - T23AT277-0224

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
	COOLING TOWER ELECTRICAL BUILDING		
T23AT277-0001	A001	09:30 HOUR	376
T23AT277-0002	A002	09:31 HOUR	385
T23AT277-0003	A003	09:32 HOUR	395
T23AT277-0004	A004	09:33 HOUR	364
T23AT277-0005	A006	09:34 HOUR	361
T23AT277-0006	A007	09:35 HOUR	958
T23AT277-0007	A008	09:36 HOUR	492
T23AT277-0008	A009	09:37 HOUR	631
T23AT277-0009	A010	09:38 HOUR	355
T23AT277-0010	A013	09:39 HOUR	449
T23AT277-0011	A014	09:40 HOUR	339
T23AT277-0012	A016	09:41 HOUR	332
T23AT277-0013	A017	09:42 HOUR	335
T23AT277-0014	A018	09:43 HOUR	355
T23AT277-0015	A019	09:44 HOUR	410
T23AT277-0016	A023	09:45 HOUR	427
T23AT277-0017	A024	09:46 HOUR	430
	AVERAGE		435
	MACHINING WORKSHOP		
T23AT277-0018	W055	09:50 HOUR	315
T23AT277-0019	W056	09:51 HOUR	432
T23AT277-0020	W057	09:52 HOUR	535
T23AT277-0021	W058	09:53 HOUR	492
T23AT277-0022	W059	09:54 HOUR	371
T23AT277-0023	W060	09:55 HOUR	391
T23AT277-0024	W061	09:56 HOUR	597
T23AT277-0025	W062	09:57 HOUR	455
T23AT277-0026	W063	09:58 HOUR	415
	AVERAGE		445
	DEMNERILIZING BUILDING		
	415 SWG 1/2		
T23AT277-0027	415 SWG 1 AND 2 POINT 1 (P1)	19:00 HOUR	446



ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
T23AT277-0028	415 SWG 1 AND 2 POINT 2 (P2)	19:01 HOUR	456
T23AT277-0029	415 SWG 1 AND 2 POINT 3 (Q1)	19:02 HOUR	357
T23AT277-0030	415 SWG 1 AND 2 POINT 4 (Q2)	19:03 HOUR	417
T23AT277-0031	415 SWG 1 AND 2 POINT 5 (Q3)	19:04 HOUR	431
T23AT277-0032	415 SWG 1 AND 2 POINT 6 (Q4)	19:05 HOUR	496
T23AT277-0033	415 SWG 1 AND 2 POINT 7 (T1)	19:06 HOUR	447
T23AT277-0034	415 SWG 1 AND 2 POINT 8 (T2)	19:07 HOUR	454
T23AT277-0035	415 SWG 1 AND 2 POINT 9 (T3)	19:08 HOUR	485
T23AT277-0036	415 SWG 1 AND 2 POINT 10 (T4)	19:09 HOUR	466
T23AT277-0037	415 SWG 1 AND 2 POINT 11 (R1)	19:10 HOUR	450
T23AT277-0038	415 SWG 1 AND 2 POINT 12 (R2)	19:11 HOUR	442
T23AT277-0039	415 SWG 1 AND 2 POINT 13 (R3)	19:12 HOUR	481
T23AT277-0040	415 SWG 1 AND 2 POINT 14 (R4)	19:13 HOUR	487
T23AT277-0041	415 SWG 1 AND 2 POINT 15 (R5)	19:14 HOUR	409
T23AT277-0042	415 SWG 1 AND 2 POINT 16 (R6)	19:15 HOUR	427
T23AT277-0043	415 SWG 1 AND 2 POINT 17 (R7)	19:16 HOUR	411
T23AT277-0044	415 SWG 1 AND 2 POINT 18 (R8)	19:17 HOUR	419
	AVERAGE		443
	MAIN ELECTRICAL BUILDING MAIN ELECTRICAL BUILDING 1		
T23AT277-0045	A136	19:20 HOUR	434
T23AT277-0046	A137	19:21 HOUR	437
T23AT277-0047	A138	19:22 HOUR	457
T23AT277-0048	A139	19:23 HOUR	494
T23AT277-0049	A140	19:24 HOUR	480
T23AT277-0050	A141	19:25 HOUR	463
T23AT277-0051	A142	19:26 HOUR	474
T23AT277-0052	A143	19:27 HOUR	531
T23AT277-0053	A144	19:28 HOUR	421
T23AT277-0054	A145	19:29 HOUR	436
T23AT277-0055	A146	19:30 HOUR	429
T23AT277-0056	A147	19:31 HOUR	557
	AVERAGE		468
	MAIN ELECTRICAL BUILDING 2		
T23AT277-0057	A148	19:33 HOUR	911
T23AT277-0058	A149	19:34 HOUR	701
T23AT277-0059	A150	19:35 HOUR	475
T23AT277-0060	A151	19:36 HOUR	473
T23AT277-0061	A152	19:37 HOUR	458
T23AT277-0062	A153	19:38 HOUR	488
T23AT277-0063	A154	19:39 HOUR	463
T23AT277-0064	A155	19:40 HOUR	532
T23AT277-0065	A156	19:41 HOUR	505

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
T23AT277-0066	A157	19:42 HOUR	436
T23AT277-0067	A158	19:43 HOUR	446
T23AT277-0068	A159	19:44 HOUR	552
T23AT277-0069	A160	19:45 HOUR	527
T23AT277-0070	A161	19:46 HOUR	480
T23AT277-0071	A162	19:47 HOUR	457
T23AT277-0072	A163	19:48 HOUR	614
T23AT277-0073	A164	19:49 HOUR	557
T23AT277-0074	A165	19:50 HOUR	678
T23AT277-0075	A166	19:51 HOUR	757
T23AT277-0076	A167	19:52 HOUR	899
T23AT277-0077	A168	19:53 HOUR	772
T23AT277-0078	A169	19:54 HOUR	756
T23AT277-0079	A170	19:55 HOUR	618
T23AT277-0080	A171	19:56 HOUR	492
	AVERAGE		585
	BATTERY CHARGING ROOM		
T23AT277-0081	A178	19:58 HOUR	432
T23AT277-0082	A179	19:59 HOUR	365
T23AT277-0083	A180	20:00 HOUR	379
T23AT277-0084	A181	20:01 HOUR	431
	AVERAGE		402
	CT 1 MECHANICAL PACKAGE ELEC PACKAGE 1		
T23AT277-0085	POINT 1	20:04 HOUR	463
T23AT277-0086	POINT 2	20:05 HOUR	316
T23AT277-0087	POINT 3	20:06 HOUR	419
T23AT277-0088	POINT 4	20:07 HOUR	327
T23AT277-0089	POINT 5	20:08 HOUR	305
T23AT277-0090	POINT 6	20:09 HOUR	508
	AVERAGE		390
	PCC 1		
T23AT277-0091	POINT 1	20:11 HOUR	336
T23AT277-0092	POINT 2	20:12 HOUR	567
T23AT277-0093	POINT 3	20:13 HOUR	631
T23AT277-0094	POINT 4	20:14 HOUR	656
T23AT277-0095	POINT 5	20:15 HOUR	466
T23AT277-0096	POINT 6	20:16 HOUR	439
	AVERAGE		516
	CT 2 MECHANICAL PACKAGE ELEC PACKAGE 2		
T23AT277-0097	POINT 1	20:19 HOUR	630
T23AT277-0098	POINT 2	20:20 HOUR	373
T23AT277-0099	POINT 3	20:21 HOUR	428

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
T23AT277-0100	POINT 4	20:22 HOUR	459
T23AT277-0101	POINT 5	20:23 HOUR	400
T23AT277-0102	POINT 6	20:24 HOUR	404
	AVERAGE		449
	PCC 2		
T23AT277-0103	POINT 1	20:26 HOUR	300
T23AT277-0104	POINT 2	20:27 HOUR	500
T23AT277-0105	POINT 3	20:28 HOUR	654
T23AT277-0106	POINT 4	20:29 HOUR	422
T23AT277-0107	POINT 5	20:30 HOUR	455
T23AT277-0108	POINT 6	20:31 HOUR	502
	AVERAGE		472
	CHEMICAL PRETREATMENT BUILDING CHEMICAL STORAGE TANK		
T23AT277-0109	W001	20:34 HOUR	259
T23AT277-0110	W002	20:35 HOUR	275
T23AT277-0111	W003	20:36 HOUR	288
T23AT277-0112	W004	20:37 HOUR	260
T23AT277-0113	W005	20:38 HOUR	243
T23AT277-0114	W006	20:39 HOUR	246
T23AT277-0115	W007	20:40 HOUR	207
T23AT277-0116	W008	20:41 HOUR	210
T23AT277-0117	W009	20:42 HOUR	196
T23AT277-0118	W010	20:43 HOUR	230
T23AT277-0119	W011	20:44 HOUR	210
T23AT277-0120	W012	20:45 HOUR	218
T23AT277-0121	W013	20:46 HOUR	447
T23AT277-0122	W014	20:47 HOUR	314
T23AT277-0123	W015	20:48 HOUR	335
T23AT277-0124	W016	20:49 HOUR	340
	AVERAGE		267
	MCC 3/4		
T23AT277-0125	POINT 1	20:51 HOUR	499
T23AT277-0126	POINT 2	20:52 HOUR	478
T23AT277-0127	POINT 3	20:53 HOUR	489
T23AT277-0128	POINT 4	20:54 HOUR	442
T23AT277-0129	POINT 5	20:55 HOUR	506
T23AT277-0130	POINT 6	20:56 HOUR	498
	AVERAGE		485
	STREET ROAD WALKWAY OUTSIDE OF BUILDING		
T23AT277-0131	S001	20:58 HOUR	64
T23AT277-0132	S002	20:59 HOUR	63
T23AT277-0133	S003	21:00 HOUR	49

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
T23AT277-0134	S004	21:01 HOUR	67
T23AT277-0135	S005	21:02 HOUR	70
T23AT277-0136	S006	21:03 HOUR	60
T23AT277-0137	S007	21:04 HOUR	62
T23AT277-0138	S008	21:05 HOUR	77
T23AT277-0139	S009	21:06 HOUR	56
T23AT277-0140	S010	21:07 HOUR	64
T23AT277-0141	S011	21:08 HOUR	65
T23AT277-0142	S012	21:09 HOUR	68
T23AT277-0143	S013	21:10 HOUR	61
T23AT277-0144	S014	21:11 HOUR	68
T23AT277-0145	S015	21:12 HOUR	74
T23AT277-0146	S016	21:13 HOUR	55
T23AT277-0147	S017	21:14 HOUR	51
T23AT277-0148	S018	21:15 HOUR	50
T23AT277-0149	S019	21:16 HOUR	59
T23AT277-0150	S020	21:17 HOUR	51
T23AT277-0151	S021	21:18 HOUR	48
T23AT277-0152	S022	21:19 HOUR	63
T23AT277-0153	S023	21:20 HOUR	69
T23AT277-0154	S024	21:21 HOUR	50
T23AT277-0155	S025	21:22 HOUR	57
T23AT277-0156	S026	21:23 HOUR	55
T23AT277-0157	S027	21:24 HOUR	70
T23AT277-0158	S028	21:25 HOUR	60
T23AT277-0159	S029	21:26 HOUR	53
T23AT277-0160	S030	21:27 HOUR	135
T23AT277-0161	S031	21:28 HOUR	59
T23AT277-0162	S032	21:29 HOUR	54
T23AT277-0163	S033	21:30 HOUR	63
T23AT277-0164	S034	21:31 HOUR	60
T23AT277-0165	S035	21:32 HOUR	119
T23AT277-0166	S036	21:33 HOUR	179
T23AT277-0167	S037	21:34 HOUR	65
T23AT277-0168	S038	21:35 HOUR	73
T23AT277-0169	S039	21:36 HOUR	63
T23AT277-0170	S040	21:37 HOUR	50
T23AT277-0171	S041	21:38 HOUR	53
T23AT277-0172	S042	21:39 HOUR	52
T23AT277-0173	S043	21:40 HOUR	78
T23AT277-0174	S044	21:41 HOUR	130
T23AT277-0175	S045	21:42 HOUR	162
T23AT277-0176	S046	21:43 HOUR	148

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
T23AT277-0177	S047	21:44 HOUR	58
T23AT277-0178	S048	21:45 HOUR	56
T23AT277-0179	S049	21:46 HOUR	63
T23AT277-0180	S050	21:47 HOUR	61
T23AT277-0181	S051	21:48 HOUR	63
T23AT277-0182	S052	21:49 HOUR	120
T23AT277-0183	S053	21:50 HOUR	150
T23AT277-0184	S054	21:51 HOUR	67
T23AT277-0185	S055	21:52 HOUR	60
T23AT277-0186	S056	21:53 HOUR	151
T23AT277-0187	S057	21:54 HOUR	178
T23AT277-0188	S058	21:55 HOUR	70
T23AT277-0189	S059	21:56 HOUR	67
T23AT277-0190	S060	21:57 HOUR	65
T23AT277-0191	S061	21:58 HOUR	68
T23AT277-0192	S062	21:59 HOUR	62
T23AT277-0193	S063	22:00 HOUR	95
T23AT277-0194	S064	22:01 HOUR	119
T23AT277-0195	S065	22:02 HOUR	129
T23AT277-0196	S066	22:03 HOUR	177
T23AT277-0197	S067	22:04 HOUR	180
T23AT277-0198	S068	22:05 HOUR	192
T23AT277-0199	S069	22:06 HOUR	262
T23AT277-0200	S070	22:07 HOUR	242
T23AT277-0201	S071	22:08 HOUR	90
T23AT277-0202	S072	22:09 HOUR	65
T23AT277-0203	S073	22:10 HOUR	55
T23AT277-0204	S074	22:11 HOUR	55
T23AT277-0205	S075	22:12 HOUR	50
T23AT277-0206	S076	22:13 HOUR	488
T23AT277-0207	S077	22:14 HOUR	75
T23AT277-0208	S078	22:15 HOUR	250
T23AT277-0209	S079	22:16 HOUR	110
T23AT277-0210	S080	22:17 HOUR	119
T23AT277-0211	S081	22:18 HOUR	181
T23AT277-0212	S082	22:19 HOUR	150
T23AT277-0213	S083	22:20 HOUR	168
T23AT277-0214	S084	22:21 HOUR	73
T23AT277-0215	S085	22:22 HOUR	66
T23AT277-0216	S086	22:23 HOUR	61
T23AT277-0217	S087	22:24 HOUR	110
T23AT277-0218	S088	22:25 HOUR	106
T23AT277-0219	S089	22:26 HOUR	116

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
T23AT277-0220	S090	22:27 HOUR	92
T23AT277-0221	S091	22:28 HOUR	56
T23AT277-0222	S092	22:29 HOUR	59
T23AT277-0223	S093	22:30 HOUR	97
T23AT277-0224	S094	22:31 HOUR	85
	AVERAGE		94

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

OCTOBER 19, 2023

ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 09 6713 9936 e-mail : angkana.t@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (LIGHT INTENSITY) **RECEIVED DATE** : SEPTEMBER 26, 2023
MEASURING DATE : SEPTEMBER 26, 2023 **ANALYTICAL DATE** : SEPTEMBER 26, 2023
MEASURING TIME : * **REPORT NO.** : 2023-U089313
MEASURING EQUIPMENT : LUX METER **WORK NO.** : 2022-006185
MEASURED BY : MISS CHAMANDA KIMAKOM **ANALYSIS NO.** : T23AT277-0225 - T23AT277-0243

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
	DEMINERILIZING BUILDING CHEMICAL STORAGE TANK		
T23AT277-0225	A025	22:34 HOUR	175
T23AT277-0226	A026	22:35 HOUR	184
T23AT277-0227	A027	22:36 HOUR	212
T23AT277-0228	A028	22:37 HOUR	131
T23AT277-0229	A029	22:38 HOUR	155
T23AT277-0230	A030	22:39 HOUR	151
T23AT277-0231	A031	22:40 HOUR	168
T23AT277-0232	A032	22:41 HOUR	172
T23AT277-0233	A033	22:42 HOUR	155
T23AT277-0234	A034	22:43 HOUR	148
T23AT277-0235	A035	22:44 HOUR	158
T23AT277-0236	A036	22:45 HOUR	161
T23AT277-0237	A037	22:46 HOUR	171
T23AT277-0238	A038	22:47 HOUR	119
T23AT277-0239	A039	22:48 HOUR	150
T23AT277-0240	A041	22:49 HOUR	123
T23AT277-0241	A042	22:50 HOUR	162
T23AT277-0242	A043	22:51 HOUR	158
T23AT277-0243	A045	22:52 HOUR	156
	AVERAGE		158

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

OCTOBER 19, 2023



ANALYSIS REPORT

CUSTOMER NAME : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
ADDRESS : 42/3 MOO 1, SUKHUMVIT ROAD KM. 124 THUNG SUKHLA SI RACHA CHON BURI 20230
CONTACT INFORMATION : TEL : 0 3840 7407 #7446 e-mail : chawanrat.t@gpscgroup.com
MEASURING PLACE : GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED
MEASURING TYPE : WORKPLACE (LIGHT INTENSITY)
MEASURING DATE : NOVEMBER 9, 2023
MEASURING TIME : *
MEASURING EQUIPMENT : LUX METER
MEASURED BY : MR KHWANCHAI PHONTHUK

RECEIVED DATE : NOVEMBER 9, 2023
ANALYTICAL DATE : NOVEMBER 9, 2023
REPORT NO. : 2023-U099894
WORK NO. : 2023-008677
ANALYSIS NO. : T23AW570-0001 - T23AW570-0019

ANALYSIS NO.	MEASURING SITE	TIME *	RESULT (LUX)
			LIGHT INTENSITY
			AREA MEASUREMENT
T23AW570-0001	DEMINERILIZING BUILDING CHEMICAL STORAGE TANK A025	19:55 HOUR	209
T23AW570-0002	A026	19:56 HOUR	206
T23AW570-0003	A027	19:57 HOUR	294
T23AW570-0004	A028	19:58 HOUR	227
T23AW570-0005	A029	19:59 HOUR	231
T23AW570-0006	A030	20:00 HOUR	233
T23AW570-0007	A031	20:01 HOUR	237
T23AW570-0008	A032	20:02 HOUR	214
T23AW570-0009	A033	20:03 HOUR	209
T23AW570-0010	A034	20:04 HOUR	216
T23AW570-0011	A035	20:05 HOUR	228
T23AW570-0012	A036	20:06 HOUR	213
T23AW570-0013	A037	20:07 HOUR	204
T23AW570-0014	A038	20:08 HOUR	221
T23AW570-0015	A039	20:09 HOUR	220
T23AW570-0016	A041	20:10 HOUR	222
T23AW570-0017	A042	20:11 HOUR	207
T23AW570-0018	A043	20:12 HOUR	215
T23AW570-0019	A045	20:13 HOUR	239
	AVERAGE		223

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

NOVEMBER 22, 2023

