



Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147420

Date Received : Jan 20, 2022

Date Reported : Jan 27, 2022

Report Number: 2179645-1

Page 1 of 1

Sample Description Air Quality
Location วัดหนองน้ำส้ม (GPS 47P 0683730, 1584219)
Date Analysis Commenced Jan 21, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag, one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
21147420-1	Jan 11 - Jan 12, 2022	0.110	0.052	759	29
21147420-2	Jan 12 - Jan 13, 2022	0.125	0.058	759	29
21147420-3	Jan 13 - Jan 14, 2022	0.116	0.058	759	29
21147420-4	Jan 14 - Jan 15, 2022	0.095	0.044	759	30
21147420-5	Jan 15 - Jan 16, 2022	0.100	0.053	759	30
21147420-6	Jan 16 - Jan 17, 2022	0.121	0.057	759	30
21147420-7	Jan 17 - Jan 18, 2022	0.168	0.091	759	30
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Keerati Taweerat

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147420

Date Received : Jan 20, 2022

Date Reported : Jan 27, 2022

Report Number: 2217563-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรียนวัดนางชี (GPS 47P 684432, 1587210)
Date Analysis Commenced Jan 21, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag, one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
21147420-8	Jan 11 - Jan 12, 2022	0.101	0.064	759	32
21147420-9	Jan 12 - Jan 13, 2022	0.092	0.055	759	32
21147420-10	Jan 13 - Jan 14, 2022	0.104	0.069	759	32
21147420-11	Jan 14 - Jan 15, 2022	0.090	0.052	759	32
21147420-12	Jan 15 - Jan 16, 2022	0.094	0.065	759	32
21147420-13	Jan 16 - Jan 17, 2022	0.115	0.068	759	32
21147420-14	Jan 17 - Jan 18, 2022	0.142	0.085	759	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Keerati Taweerat

Approved by

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No.0009

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P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147420

Date Received : Jan 20, 2022

Date Reported : Jan 27, 2022

Report Number: 2217564-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรียนวัดดอนพุดซา (GPS 47P 0687270, 1587127)
Date Analysis Commenced Jan 21, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag, one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
21147420-15	Jan 11 - Jan 12, 2022	0.130	0.021	759	30
21147420-16	Jan 12 - Jan 13, 2022	0.107	0.051	759	30
21147420-17	Jan 13 - Jan 14, 2022	0.107	0.050	759	30
21147420-18	Jan 14 - Jan 15, 2022	0.109	0.051	759	32
21147420-19	Jan 15 - Jan 16, 2022	0.107	0.062	759	32
21147420-20	Jan 16 - Jan 17, 2022	0.128	0.072	759	32
21147420-21	Jan 17 - Jan 18, 2022	0.189	0.089	759	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Keerati Taweerat

Approved by

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No.0009

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999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147420

Date Received : Jan 20, 2022

Date Reported : Jan 27, 2022

Report Number: 2217565-1

Page 1 of 1

Sample Description Air Quality
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676947, 1583188)
Date Analysis Commenced Jan 21, 2022
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag, one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
21147420-22	Jan 11 - Jan 12, 2022	0.082	0.073	759	32
21147420-23	Jan 12 - Jan 13, 2022	0.102	0.060	759	32
21147420-24	Jan 13 - Jan 14, 2022	0.116	0.062	759	32
21147420-25	Jan 14 - Jan 15, 2022	0.109	0.066	759	32
21147420-26	Jan 15 - Jan 16, 2022	0.102	0.076	759	32
21147420-27	Jan 16 - Jan 17, 2022	0.129	0.082	759	32
21147420-28	Jan 17 - Jan 18, 2022	0.131	0.089	759	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Keerati Taweerat

Approved by

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147410

Date Received : Jan 20, 2022

Date Reported : Jan 26, 2022

Report Number: 2179620-1

Page 1 of 1

Sample Description Air Quality
Location วัดหนองน้ำส้ม (GPS 47P 0683730, 1584219)
Parameter Nitrogen dioxide (ppm)
Measurement Date Jan 11, 2022 - Jan 18, 2022
Measurement by Keerati Taweerat

	21147410-1 Jan 11, 2022	21147410-2 Jan 12, 2022	21147410-3 Jan 13, 2022	21147410-4 Jan 14, 2022	21147410-5 Jan 15, 2022	21147410-6 Jan 16, 2022	21147410-7 Jan 17, 2022
Time							
09:00 AM - 10:00 AM	0.004	0.011	0.010	0.025	0.013	0.009	0.015
10:00 AM - 11:00 AM	0.004	0.008	0.004	0.025	0.008	0.008	0.013
11:00 AM - 12:00 PM	0.006	0.003	0.002	0.007	0.004	0.004	0.010
12:00 PM - 01:00 PM	0.003	0.002	0.001	<0.001	<0.001	0.006	0.006
01:00 PM - 02:00 PM	0.002	0.002	0.001	<0.001	<0.001	0.007	0.005
02:00 PM - 03:00 PM	0.001	0.001	0.001	<0.001	0.002	0.008	0.008
03:00 PM - 04:00 PM	<0.001	0.001	0.001	0.001	0.007	0.009	0.009
04:00 PM - 05:00 PM	<0.001	<0.001	0.002	0.001	0.001	0.013	0.013
05:00 PM - 06:00 PM	0.003	0.001	0.003	<0.001	0.001	0.001	0.004
06:00 PM - 07:00 PM	0.004	0.007	0.001	0.002	0.004	0.001	0.006
07:00 PM - 08:00 PM	0.006	0.007	0.001	0.003	0.004	0.004	0.009
08:00 PM - 09:00 PM	0.013	0.008	<0.001	0.001	0.006	0.002	0.001
09:00 PM - 10:00 PM	0.027	0.016	0.020	0.001	0.010	0.003	0.001
10:00 PM - 11:00 PM	0.014	0.012	0.019	0.012	0.011	0.001	0.007
11:00 PM - 12:00 AM	0.012	0.019	0.018	0.012	0.037	0.004	0.001
12:00 AM - 01:00 AM	0.024	0.019	0.019	<0.001	0.038	0.006	0.004
01:00 AM - 02:00 AM	0.022	0.014	0.015	0.001	0.033	0.003	0.006
02:00 AM - 03:00 AM	0.018	0.014	0.011	0.007	0.020	0.001	0.003
03:00 AM - 04:00 AM	0.019	0.009	0.004	0.007	0.011	0.001	0.001
04:00 AM - 05:00 AM	0.016	0.009	0.006	0.008	0.002	0.001	0.021
05:00 AM - 06:00 AM	0.016	0.012	0.010	0.008	0.003	0.010	0.032
06:00 AM - 07:00 AM	0.015	0.011	0.011	0.009	0.001	0.011	0.024
07:00 AM - 08:00 AM	0.011	0.014	0.010	0.013	0.005	0.019	0.027
08:00 AM - 09:00 AM	0.010	0.012	0.015	0.015	0.007	0.017	0.023
Average	0.010	0.009	0.008	0.007	0.010	0.006	0.010
1hr - Maximum	0.027	0.019	0.020	0.025	0.038	0.019	0.032
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : สัญญาเลขที่4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 21147410

Date Received : Jan 20, 2022

Date Reported : Jan 26, 2022

Report Number: 2216036-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรียนวัดนางชี (GPS 47P 0684432, 1587210)
Parameter Nitrogen dioxide (ppm)
Measurement Date Jan 11, 2022 - Jan 18, 2022
Measurement by Keerati Taweerat

	21147410-8	21147410-9	21147410-10	21147410-11	21147410-12	21147410-13	21147410-14
Time	Jan 11, 2022	Jan 12, 2022	Jan 13, 2022	Jan 14, 2022	Jan 15, 2022	Jan 16, 2022	Jan 17, 2022
11:00 AM - 12:00 PM	0.022	0.005	0.024	0.007	0.006	0.006	0.011
12:00 PM - 01:00 PM	0.022	0.005	<0.001	0.006	0.005	0.005	0.011
01:00 PM - 02:00 PM	0.019	0.012	0.011	0.005	0.005	0.006	0.008
02:00 PM - 03:00 PM	0.017	0.020	0.010	0.005	0.005	0.005	0.007
03:00 PM - 04:00 PM	0.016	0.020	0.012	0.007	0.005	0.005	0.008
04:00 PM - 05:00 PM	0.014	0.021	0.011	0.006	0.006	0.006	0.008
05:00 PM - 06:00 PM	0.016	0.023	0.015	0.012	0.014	0.011	0.013
06:00 PM - 07:00 PM	0.017	0.028	0.026	0.018	0.019	0.016	0.024
07:00 PM - 08:00 PM	0.018	0.007	0.026	0.020	0.026	0.017	0.022
08:00 PM - 09:00 PM	0.020	0.006	0.020	0.016	0.024	0.020	0.022
09:00 PM - 10:00 PM	0.016	0.005	0.022	0.013	0.020	0.013	0.013
10:00 PM - 11:00 PM	0.013	0.005	0.022	0.015	0.038	0.015	0.014
11:00 PM - 12:00 AM	0.015	0.005	0.019	0.010	0.038	0.017	0.014
12:00 AM - 01:00 AM	0.010	0.005	0.017	0.012	0.025	0.017	0.013
01:00 AM - 02:00 AM	0.012	0.006	0.016	0.011	0.016	0.013	0.016
02:00 AM - 03:00 AM	0.011	0.014	0.014	0.011	0.013	0.011	0.024
03:00 AM - 04:00 AM	0.038	0.045	0.016	0.011	0.012	0.010	0.026
04:00 AM - 05:00 AM	0.038	0.034	0.017	0.012	0.011	0.010	0.023
05:00 AM - 06:00 AM	0.025	0.040	0.019	0.014	0.012	0.016	0.021
06:00 AM - 07:00 AM	0.016	0.011	0.019	0.017	0.012	0.022	0.024
07:00 AM - 08:00 AM	0.013	0.012	0.028	0.024	0.012	0.018	0.024
08:00 AM - 09:00 AM	0.012	0.014	0.030	0.016	0.013	0.015	0.030
09:00 AM - 10:00 AM	0.011	0.017	0.024	0.013	0.012	0.017	0.027
10:00 AM - 11:00 AM	0.006	0.037	0.012	0.007	0.008	0.012	0.013
Average	0.017	0.017	0.018	0.012	0.015	0.013	0.017
1hr - Maximum	0.038	0.045	0.030	0.024	0.038	0.022	0.030
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

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999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147410

Date Received : Jan 20, 2022
Date Reported : Jan 26, 2022
Report Number: 2216038-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนวัดดอนพุดซา (GPS 47P 0687970, 1587127)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Jan 11, 2022 - Jan 18, 2022						
Measurement by	Keerati Taweerat						
	21147410-15	21147410-16	21147410-17	21147410-18	21147410-19	21147410-20	21147410-21
Time	Jan 11, 2022	Jan 12, 2022	Jan 13, 2022	Jan 14, 2022	Jan 15, 2022	Jan 16, 2022	Jan 17, 2022
10:00 AM - 11:00 AM	0.008	<0.001	0.009	0.024	0.015	0.013	0.017
11:00 AM - 12:00 PM	0.007	0.004	0.008	0.010	0.008	0.011	0.015
12:00 PM - 01:00 PM	0.007	0.008	0.006	0.007	0.007	0.010	0.022
01:00 PM - 02:00 PM	0.006	0.018	0.006	0.006	0.005	0.008	0.015
02:00 PM - 03:00 PM	0.009	0.020	0.006	0.005	0.005	0.008	0.012
03:00 PM - 04:00 PM	0.012	0.020	0.007	0.006	0.005	0.007	0.008
04:00 PM - 05:00 PM	0.012	0.018	0.007	0.005	0.005	0.007	0.008
05:00 PM - 06:00 PM	0.012	0.015	0.006	0.005	0.005	0.006	0.008
06:00 PM - 07:00 PM	0.012	0.010	0.010	0.009	0.009	0.009	0.010
07:00 PM - 08:00 PM	0.014	0.014	0.011	0.011	0.014	0.012	0.013
08:00 PM - 09:00 PM	0.014	0.010	0.008	0.010	0.017	0.012	0.015
09:00 PM - 10:00 PM	0.008	0.014	0.010	0.016	0.017	0.012	0.022
10:00 PM - 11:00 PM	0.006	0.015	0.017	0.016	0.027	0.012	0.014
11:00 PM - 12:00 AM	0.006	0.012	0.017	0.015	0.036	0.014	0.017
12:00 AM - 01:00 AM	0.006	0.014	0.015	0.011	0.026	0.014	0.019
01:00 AM - 02:00 AM	0.007	0.015	0.014	0.012	0.018	0.017	0.017
02:00 AM - 03:00 AM	0.007	0.017	0.014	0.011	0.014	0.014	0.018
03:00 AM - 04:00 AM	0.006	0.014	0.013	0.011	0.013	0.011	0.025
04:00 AM - 05:00 AM	0.010	0.013	0.011	0.012	0.013	0.012	0.028
05:00 AM - 06:00 AM	0.011	0.017	0.012	0.013	0.012	0.011	0.021
06:00 AM - 07:00 AM	0.009	0.018	0.013	0.015	0.010	0.011	0.023
07:00 AM - 08:00 AM	0.011	0.017	0.016	0.016	0.009	0.013	0.024
08:00 AM - 09:00 AM	0.010	0.017	0.030	0.019	0.017	0.015	0.028
09:00 AM - 10:00 AM	0.016	0.015	0.032	0.016	0.018	0.016	0.035
Average	0.009	0.014	0.012	0.012	0.014	0.011	0.018
1hr - Maximum	0.016	0.020	0.032	0.024	0.036	0.017	0.035
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

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999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : สัญญาเลขที่4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 21147410

Date Received : Jan 20, 2022

Date Reported : Jan 26, 2022

Report Number: 2216039-1

Page 1 of 1

Sample Description Air Quality
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676947, 1583188)
Parameter Nitrogen dioxide (ppm)
Measurement Date Jan 11, 2022 - Jan 18, 2022
Measurement by Keerati Taweerat

	21147410-22	21147410-23	21147410-24	21147410-25	21147410-26	21147410-27	21147410-28
Time	Jan 11, 2022	Jan 12, 2022	Jan 13, 2022	Jan 14, 2022	Jan 15, 2022	Jan 16, 2022	Jan 17, 2022
12:00 PM - 01:00 PM	0.011	0.007	0.009	0.007	0.015	0.010	0.005
01:00 PM - 02:00 PM	0.007	0.010	0.011	0.009	0.015	0.012	0.005
02:00 PM - 03:00 PM	0.009	0.009	0.011	0.008	0.021	0.009	0.006
03:00 PM - 04:00 PM	0.008	0.007	0.009	0.006	0.014	0.008	0.008
04:00 PM - 05:00 PM	0.006	0.006	0.007	0.006	0.013	0.011	0.010
05:00 PM - 06:00 PM	0.006	0.006	0.009	0.007	0.011	0.012	0.009
06:00 PM - 07:00 PM	0.006	0.009	0.016	0.007	0.011	0.018	0.013
07:00 PM - 08:00 PM	0.012	0.014	0.012	0.010	0.018	0.023	0.019
08:00 PM - 09:00 PM	0.022	0.020	0.012	0.015	0.024	0.035	0.028
09:00 PM - 10:00 PM	0.024	0.024	0.010	0.019	0.025	0.042	0.028
10:00 PM - 11:00 PM	0.038	0.022	0.010	0.019	0.024	0.040	0.034
11:00 PM - 12:00 AM	0.040	0.024	0.006	0.014	0.015	0.036	0.030
12:00 AM - 01:00 AM	0.031	0.018	0.006	0.010	0.016	0.030	0.030
01:00 AM - 02:00 AM	0.037	0.010	0.007	0.011	0.016	0.024	0.035
02:00 AM - 03:00 AM	0.038	0.008	0.009	0.020	0.013	0.021	0.030
03:00 AM - 04:00 AM	0.031	0.010	0.007	0.016	0.011	0.023	0.029
04:00 AM - 05:00 AM	0.017	0.011	0.006	0.015	0.013	0.026	0.026
05:00 AM - 06:00 AM	0.017	0.015	0.008	0.015	0.018	0.024	0.027
06:00 AM - 07:00 AM	0.017	0.017	0.008	0.019	0.019	0.022	0.020
07:00 AM - 08:00 AM	0.019	0.018	0.008	0.018	0.020	0.022	0.017
08:00 AM - 09:00 AM	0.022	0.015	0.007	0.019	0.024	0.024	0.026
09:00 AM - 10:00 AM	0.022	0.015	0.006	0.018	0.020	0.018	0.023
10:00 AM - 11:00 AM	0.016	0.013	0.007	0.016	0.012	0.009	0.015
11:00 AM - 12:00 PM	0.009	0.010	0.007	0.015	0.013	0.007	0.023
Average	0.019	0.013	0.009	0.013	0.017	0.021	0.021
1hr - Maximum	0.040	0.024	0.016	0.020	0.025	0.042	0.035
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147412

Date Received : Jan 20, 2022
Date Reported : Jan 26, 2022
Report Number: 2179628-1

Page 1 of 1

Sample Description Air Quality
Location วัดหนองน้ำส้ม (GPS 47P 0683730, 1584219)
Parameter Sulfur Dioxide (ppm)
Measurement Date Jan 11, 2022 - Jan 18, 2022
Measurement by Keerati Taweerat

Time	21147412-1 Jan 11, 2022	21147412-2 Jan 12, 2022	21147412-3 Jan 13, 2022	21147412-4 Jan 14, 2022	21147412-5 Jan 15, 2022	21147412-6 Jan 16, 2022	21147412-7 Jan 17, 2022
09:00 AM - 10:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
10:00 AM - 11:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
11:00 AM - 12:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.004
12:00 PM - 01:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.003
01:00 PM - 02:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
02:00 PM - 03:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
03:00 PM - 04:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.003
04:00 PM - 05:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.005
05:00 PM - 06:00 PM	<0.001	<0.001	0.001	<0.001	<0.001	0.002	0.002
06:00 PM - 07:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
07:00 PM - 08:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
08:00 PM - 09:00 PM	0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
09:00 PM - 10:00 PM	0.002	<0.001	<0.001	<0.001	<0.001	0.002	0.002
10:00 PM - 11:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
11:00 PM - 12:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
12:00 AM - 01:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
01:00 AM - 02:00 AM	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.002
02:00 AM - 03:00 AM	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.002
03:00 AM - 04:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
04:00 AM - 05:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
05:00 AM - 06:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.003
06:00 AM - 07:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
07:00 AM - 08:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.004
08:00 AM - 09:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.004
Average	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
1hr - Maximum	0.002	<0.001	0.001	<0.001	0.001	0.002	0.005
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : US EPA Method Part 53 and 58

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147412

Date Received : Jan 20, 2022
Date Reported : Jan 26, 2022
Report Number: 2216042-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรียนวัดนางชี (GPS 47P 684432, 1587210)
Parameter Sulfur Dioxide (ppm)
Measurement Date Jan 11, 2022 - Jan 18, 2022
Measurement by Keerati Taweerat

Time	21147412-8 Jan 11, 2022	21147412-9 Jan 12, 2022	21147412-10 Jan 13, 2022	21147412-11 Jan 14, 2022	21147412-12 Jan 15, 2022	21147412-13 Jan 16, 2022	21147412-14 Jan 17, 2022
11:00 AM - 12:00 PM	0.004	0.002	0.002	0.002	0.002	0.002	0.002
12:00 PM - 01:00 PM	0.004	0.002	0.002	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.003	0.003	0.002	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.004	0.003	0.002	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.004	0.003	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.004	0.003	0.002	0.002	0.002	0.003	0.002
05:00 PM - 06:00 PM	0.004	0.002	0.002	0.003	0.002	0.003	0.002
06:00 PM - 07:00 PM	0.003	0.002	0.002	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.003	0.002	0.002	0.003	0.002	0.003	0.002
08:00 PM - 09:00 PM	0.005	0.002	0.002	0.003	0.002	0.005	0.004
09:00 PM - 10:00 PM	0.005	0.002	0.002	0.003	0.002	0.006	0.006
10:00 PM - 11:00 PM	0.004	0.002	0.002	<0.001	0.003	0.006	0.004
11:00 PM - 12:00 AM	0.003	0.002	0.002	0.002	0.003	0.003	0.004
12:00 AM - 01:00 AM	0.003	0.002	0.003	0.002	0.003	0.003	0.004
01:00 AM - 02:00 AM	0.003	0.003	0.004	0.002	0.002	0.002	0.003
02:00 AM - 03:00 AM	0.003	0.003	0.003	0.002	0.002	0.003	0.003
03:00 AM - 04:00 AM	0.003	0.003	0.004	0.002	0.002	0.003	0.003
04:00 AM - 05:00 AM	0.003	0.002	0.004	0.003	0.002	0.003	0.003
05:00 AM - 06:00 AM	0.002	0.002	0.003	0.003	0.002	0.003	0.003
06:00 AM - 07:00 AM	0.002	0.002	0.002	0.004	0.002	0.003	0.003
07:00 AM - 08:00 AM	0.002	0.003	0.002	0.003	0.002	0.003	0.005
08:00 AM - 09:00 AM	0.003	0.003	0.002	0.003	0.002	0.003	0.004
09:00 AM - 10:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.004
10:00 AM - 11:00 AM	0.003	0.002	0.002	0.002	0.002	0.002	0.003
Average	0.003	0.003	0.002	0.002	0.002	0.003	0.003
1hr - Maximum	0.005	0.003	0.004	0.004	0.003	0.006	0.006
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : US EPA Method Part 53 and 58

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147412

Date Received : Jan 20, 2022
Date Reported : Jan 26, 2022
Report Number: 2216045-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนวัดดอนพุทชา (GPS 47P 0687970, 1587127)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Jan 11, 2022 - Jan 18, 2022						
Measurement by	Keerati Taweerat						
	21147412-15 Jan 11, 2022	21147412-16 Jan 12, 2022	21147412-17 Jan 13, 2022	21147412-18 Jan 14, 2022	21147412-19 Jan 15, 2022	21147412-20 Jan 16, 2022	21147412-21 Jan 17, 2022
Time							
10:00 AM - 11:00 AM	0.007	0.007	0.007	0.007	0.006	0.006	0.006
11:00 AM - 12:00 PM	0.006	0.006	0.007	0.006	0.006	0.006	0.006
12:00 PM - 01:00 PM	0.003	0.006	0.006	0.006	0.006	0.006	0.006
01:00 PM - 02:00 PM	0.005	0.007	0.006	0.006	0.006	0.006	0.006
02:00 PM - 03:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
03:00 PM - 04:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
04:00 PM - 05:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
05:00 PM - 06:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
06:00 PM - 07:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
07:00 PM - 08:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
08:00 PM - 09:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
09:00 PM - 10:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
10:00 PM - 11:00 PM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
11:00 PM - 12:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
12:00 AM - 01:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
01:00 AM - 02:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
02:00 AM - 03:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
03:00 AM - 04:00 AM	0.006	0.007	0.006	0.006	0.006	0.006	0.006
04:00 AM - 05:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
05:00 AM - 06:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
06:00 AM - 07:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
07:00 AM - 08:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
08:00 AM - 09:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
09:00 AM - 10:00 AM	0.006	0.007	0.007	0.006	0.006	0.006	0.007
Average	0.006	0.006	0.006	0.006	0.006	0.006	0.006
1hr - Maximum	0.007	0.007	0.007	0.007	0.006	0.006	0.007
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : US EPA Method Part 53 and 58

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210
P/O : สัญญาเลขที่4600001481
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 21147412

Date Received : Jan 20, 2022
Date Reported : Jan 26, 2022
Report Number: 2216048-1

Page 1 of 1

Sample Description Air Quality
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676947, 1583188)
Parameter Sulfur Dioxide (ppm)
Measurement Date Jan 11, 2022 - Jan 18, 2022
Measurement by Keerati Taweerat

	21147412-22	21147412-23	21147412-24	21147412-25	21147412-26	21147412-27	21147412-28
Time	Jan 11, 2022	Jan 12, 2022	Jan 13, 2022	Jan 14, 2022	Jan 15, 2022	Jan 16, 2022	Jan 17, 2022
12:00 PM - 01:00 PM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	<0.001	0.002	0.002	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	<0.001	0.002	0.002	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
08:00 PM - 09:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.001
09:00 PM - 10:00 PM	0.001	0.001	0.002	0.002	0.002	0.002	0.001
10:00 PM - 11:00 PM	0.001	0.001	0.002	0.002	0.002	0.001	0.001
11:00 PM - 12:00 AM	0.001	0.001	0.002	0.002	0.002	0.002	0.001
12:00 AM - 01:00 AM	0.001	0.001	0.002	0.002	0.002	0.001	0.001
01:00 AM - 02:00 AM	0.001	0.001	0.002	0.002	0.002	0.002	0.001
02:00 AM - 03:00 AM	0.001	0.001	0.002	0.002	0.002	0.001	0.002
03:00 AM - 04:00 AM	0.001	0.001	0.002	0.002	0.002	0.001	0.002
04:00 AM - 05:00 AM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
05:00 AM - 06:00 AM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
08:00 AM - 09:00 AM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
09:00 AM - 10:00 AM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
10:00 AM - 11:00 AM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
11:00 AM - 12:00 PM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
Average	0.001	0.001	0.002	0.002	0.002	0.002	0.002
1hr - Maximum	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : US EPA Method Part 53 and 58

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Analysis / Test Report

Client : Gulf JP UT Co.,Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 21147419

Date Received :Jan 20, 2022

Date Reported :Jan 25, 2022

Report Number :2211723-1

Page 1 of 1

Sample Number 21147419-1 to 7
Parameter Temperature
Location วัดหนองน้ำส้ม (GPS 47P 0683730, 1584219)
Sampling Date Jan 11 - Jan 18, 2022
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Jan 11 - Jan 12, 2022	Jan 12 - Jan 13, 2022	Jan 13 - Jan 14, 2022	Jan 14 - Jan 15, 2022	Jan 15 - Jan 16, 2022	Jan 16 - Jan 17, 2022	Jan 17 - Jan 18, 2022
09:00 AM - 10:00 AM	27.8	25.4	26.6	25.0	24.9	25.1	25.3
10:00 AM - 11:00 AM	27.9	27.3	28.8	27.6	27.1	27.3	27.3
11:00 AM - 12:00 PM	30.3	29.0	30.1	29.5	29.4	29.5	29.7
12:00 PM - 01:00 PM	33.4	31.7	32.1	31.5	31.2	31.4	32.9
01:00 PM - 02:00 PM	32.7	31.0	32.1	32.8	32.1	31.4	33.8
02:00 PM - 03:00 PM	32.8	32.0	32.8	32.6	32.1	31.4	32.7
03:00 PM - 04:00 PM	32.9	32.2	33.6	32.2	32.0	32.1	32.7
04:00 PM - 05:00 PM	32.5	32.7	33.2	31.6	32.1	31.5	33.2
05:00 PM - 06:00 PM	31.8	31.1	31.7	29.7	30.6	30.6	31.8
06:00 PM - 07:00 PM	29.2	28.7	29.2	27.6	28.2	28.7	29.5
07:00 PM - 08:00 PM	28.4	27.3	28.2	26.8	26.8	27.0	27.6
08:00 PM - 09:00 PM	27.6	27.1	28.1	26.4	26.5	26.0	27.1
09:00 PM - 10:00 PM	26.2	26.2	27.0	25.9	26.1	26.1	25.9
10:00 PM - 11:00 PM	25.4	25.4	25.9	24.8	24.6	25.5	25.9
11:00 PM - 12:00 AM	24.4	25.4	24.9	24.3	24.0	24.4	24.8
12:00 AM - 01:00 AM	24.8	25.9	24.8	23.9	23.4	24.4	25.0
01:00 AM - 02:00 AM	23.3	24.2	24.4	23.4	23.2	23.8	23.8
02:00 AM - 03:00 AM	22.9	24.0	23.9	22.8	22.6	23.4	23.5
03:00 AM - 04:00 AM	22.6	23.5	23.5	22.6	22.4	23.2	23.3
04:00 AM - 05:00 AM	22.3	23.2	23.1	22.3	22.2	22.7	22.7
05:00 AM - 06:00 AM	22.1	22.8	22.8	22.1	22.1	22.6	22.3
06:00 AM - 07:00 AM	22.0	22.4	22.3	21.4	21.8	22.7	23.0
07:00 AM - 08:00 AM	21.7	21.8	22.2	21.0	21.7	22.4	25.0
08:00 AM - 09:00 AM	22.7	22.8	23.3	22.0	22.7	23.1	27.0
Average – 24 hr	27.0	26.8	27.3	26.2	26.2	26.5	27.3
Max – 1 hr	33.4	32.7	33.6	32.8	32.1	32.1	33.8
Min – 1 hr	21.7	21.8	22.2	21.0	21.7	22.4	22.3

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co.,Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 21147419

Date Received :Jan 20, 2022

Date Reported :Jan 25, 2022

Report Number :2211724-1

Page 1 of 1

Sample Number 21147419-8 to 14
Parameter Temperature
Location โรงเรียนวัดนางชี (GPS 47P 684432, 1587210)
Sampling Date Jan 11 - Jan 18, 2022
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Jan 11 - Jan 12, 2022	Jan 12 - Jan 13, 2022	Jan 13 - Jan 14, 2022	Jan 14 - Jan 15, 2022	Jan 15 - Jan 16, 2022	Jan 16 - Jan 17, 2022	Jan 17 - Jan 18, 2022
11:00 AM - 12:00 PM	32.3	33.9	32.1	33.9	35.5	33.3	33.2
12:00 PM - 01:00 PM	32.6	35.9	32.9	33.6	35.4	33.6	34.4
01:00 PM - 02:00 PM	34.5	38.4	30.2	32.2	32.3	30.0	34.7
02:00 PM - 03:00 PM	33.2	34.5	32.4	32.0	30.0	30.0	31.0
03:00 PM - 04:00 PM	34.0	33.2	30.0	31.4	28.0	29.0	31.1
04:00 PM - 05:00 PM	32.6	32.1	30.0	30.0	28.3	27.0	28.9
05:00 PM - 06:00 PM	31.2	29.0	29.0	29.2	26.9	25.1	27.0
06:00 PM - 07:00 PM	28.9	29.1	27.0	26.8	26.8	24.2	25.0
07:00 PM - 08:00 PM	27.5	28.3	25.1	24.6	25.0	23.9	24.0
08:00 PM - 09:00 PM	26.1	27.9	24.2	23.9	23.8	23.3	24.0
09:00 PM - 10:00 PM	25.4	27.2	23.9	23.4	22.9	22.9	23.0
10:00 PM - 11:00 PM	25.7	27.0	23.3	23.1	22.6	22.3	24.0
11:00 PM - 12:00 AM	24.9	26.4	22.9	22.9	22.0	22.1	23.4
12:00 AM - 01:00 AM	25.0	24.2	22.3	22.1	22.0	22.8	23.3
01:00 AM - 02:00 AM	24.4	23.2	22.1	21.1	21.2	25.0	22.4
02:00 AM - 03:00 AM	23.8	22.8	22.8	23.0	20.9	22.4	23.0
03:00 AM - 04:00 AM	23.3	23.9	25.0	23.9	20.6	23.0	25.0
04:00 AM - 05:00 AM	23.2	25.9	26.0	25.0	24.0	25.0	25.6
05:00 AM - 06:00 AM	23.3	25.4	28.0	25.7	24.5	25.9	27.0
06:00 AM - 07:00 AM	23.1	25.3	29.2	28.0	29.0	29.0	29.0
07:00 AM - 08:00 AM	24.0	25.7	32.0	30.0	30.0	30.0	30.5
08:00 AM - 09:00 AM	26.8	27.3	32.7	30.9	32.0	32.0	32.0
09:00 AM - 10:00 AM	30.1	28.8	33.0	32.0	32.1	32.7	32.7
10:00 AM - 11:00 AM	33.6	30.6	33.4	33.0	32.5	32.0	33.0
Average – 24 hr	27.9	28.6	27.9	27.6	27.0	26.9	27.8
Max – 1 hr	34.5	38.4	33.4	33.9	35.5	33.6	34.7
Min – 1 hr	23.1	22.8	22.1	21.1	20.6	22.1	22.4

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co.,Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 21147419

Date Received :Jan 20, 2022

Date Reported :Jan 25, 2022

Report Number :2211726-1

Page 1 of 1

Sample Number 21147419-15 to 21
Parameter Temperature
Location โรงเรียนวัดดอนพุดซา (GPS 47P 0687970, 1587127)
Sampling Date Jan 11 - Jan 18, 2022
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Jan 11 - Jan 12, 2022	Jan 12 - Jan 13, 2022	Jan 13 - Jan 14, 2022	Jan 14 - Jan 15, 2022	Jan 15 - Jan 16, 2022	Jan 16 - Jan 17, 2022	Jan 17 - Jan 18, 2022
10:00 AM - 11:00 AM	31.0	29.7	31.0	30.3	30.1	29.8	31.8
11:00 AM - 12:00 PM	32.7	30.5	31.5	31.1	31.4	30.8	33.7
12:00 PM - 01:00 PM	33.1	31.5	32.3	31.2	32.1	31.7	32.3
01:00 PM - 02:00 PM	33.9	31.6	32.7	31.2	32.6	32.9	33.2
02:00 PM - 03:00 PM	33.6	32.3	32.9	31.5	32.2	32.9	33.2
03:00 PM - 04:00 PM	33.2	32.3	32.7	31.2	32.1	31.8	33.2
04:00 PM - 05:00 PM	32.2	32.0	32.1	30.6	31.4	31.5	32.0
05:00 PM - 06:00 PM	30.0	29.8	30.0	28.9	29.4	29.8	29.8
06:00 PM - 07:00 PM	27.0	26.7	27.1	26.7	26.6	27.1	27.5
07:00 PM - 08:00 PM	25.9	25.6	26.6	25.5	25.5	25.6	26.1
08:00 PM - 09:00 PM	24.9	25.1	25.9	25.1	24.9	25.1	25.4
09:00 PM - 10:00 PM	23.7	24.4	26.0	24.0	24.8	24.6	25.0
10:00 PM - 11:00 PM	23.9	24.0	25.0	24.9	24.0	24.6	24.2
11:00 PM - 12:00 AM	23.2	23.8	24.8	23.9	23.5	23.7	23.4
12:00 AM - 01:00 AM	22.7	23.7	24.3	23.3	23.2	23.4	22.8
01:00 AM - 02:00 AM	22.4	23.8	23.7	22.1	22.4	23.7	22.4
02:00 AM - 03:00 AM	21.6	23.1	23.1	22.1	22.1	23.1	22.0
03:00 AM - 04:00 AM	21.6	21.8	22.4	21.6	21.6	23.2	21.8
04:00 AM - 05:00 AM	21.8	21.5	22.1	20.9	21.8	22.2	21.2
05:00 AM - 06:00 AM	21.8	21.5	21.7	20.7	21.2	21.6	20.9
06:00 AM - 07:00 AM	21.6	21.2	21.6	20.3	21.2	21.5	20.9
07:00 AM - 08:00 AM	24.3	24.4	24.2	23.7	23.9	23.9	23.7
08:00 AM - 09:00 AM	27.6	27.5	27.8	27.0	27.0	27.3	26.0
09:00 AM - 10:00 AM	30.1	29.7	29.4	29.3	28.9	29.8	29.7
Average – 24 hr	26.8	26.6	27.1	26.1	26.4	26.7	26.8
Max – 1 hr	33.9	32.3	32.9	31.5	32.6	32.9	33.7
Min – 1 hr	21.6	21.2	21.6	20.3	21.2	21.5	20.9

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Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co.,Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 21147419

Date Received :Jan 20, 2022

Date Reported :Jan 25, 2022

Report Number :2179640-1

Page 1 of 1

Sample Number 21147419-22 to 28
Parameter Temperature
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676947, 1583188)
Sampling Date Jan 11 - Jan 18, 2022
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Jan 11 - Jan 12, 2022	Jan 12 - Jan 13, 2022	Jan 13 - Jan 14, 2022	Jan 14 - Jan 15, 2022	Jan 15 - Jan 16, 2022	Jan 16 - Jan 17, 2022	Jan 17 - Jan 18, 2022
12:00 PM - 01:00 PM	30.3	32.0	33.2	31.8	32.8	32.6	32.0
01:00 PM - 02:00 PM	30.8	33.3	33.5	31.2	32.0	31.5	31.7
02:00 PM - 03:00 PM	30.4	34.1	33.8	30.6	31.4	31.1	31.6
03:00 PM - 04:00 PM	29.8	33.5	32.5	30.1	30.8	30.8	31.0
04:00 PM - 05:00 PM	29.5	32.0	30.0	28.8	29.0	29.2	29.0
05:00 PM - 06:00 PM	28.9	30.2	28.6	27.1	27.3	27.5	27.7
06:00 PM - 07:00 PM	27.7	28.6	27.7	26.5	26.6	26.7	27.0
07:00 PM - 08:00 PM	26.3	28.0	27.0	26.4	25.9	26.1	26.4
08:00 PM - 09:00 PM	25.7	27.6	27.0	26.0	26.0	25.6	25.9
09:00 PM - 10:00 PM	25.0	27.3	25.9	26.1	25.1	24.9	25.3
10:00 PM - 11:00 PM	24.5	26.1	25.4	24.5	24.4	24.6	24.5
11:00 PM - 12:00 AM	24.8	25.2	24.5	23.8	23.8	24.3	24.2
12:00 AM - 01:00 AM	23.8	24.3	24.3	23.3	23.2	24.0	23.5
01:00 AM - 02:00 AM	23.5	23.7	23.7	22.9	22.7	24.2	23.1
02:00 AM - 03:00 AM	23.0	23.1	23.3	23.1	22.6	23.1	22.8
03:00 AM - 04:00 AM	22.5	22.6	23.2	22.1	22.3	22.7	22.9
04:00 AM - 05:00 AM	22.8	22.2	22.7	21.8	22.4	22.4	23.1
05:00 AM - 06:00 AM	22.8	24.3	22.9	22.0	22.6	22.8	23.4
06:00 AM - 07:00 AM	22.6	28.2	24.4	23.5	24.2	24.9	24.6
07:00 AM - 08:00 AM	22.4	28.6	28.7	27.9	27.9	28.6	28.3
08:00 AM - 09:00 AM	23.4	29.4	30.6	30.9	29.9	30.3	31.5
09:00 AM - 10:00 AM	25.9	30.3	31.7	32.1	31.2	32.8	32.6
10:00 AM - 11:00 AM	27.7	32.1	32.3	32.8	31.4	33.1	33.8
11:00 AM - 12:00 PM	30.0	33.0	32.9	33.3	32.9	33.2	33.8
Average – 24 hr	26.0	28.3	27.9	27.0	27.0	27.4	27.5
Max – 1 hr	30.8	34.1	33.8	33.3	32.9	33.2	33.8
Min – 1 hr	22.4	22.2	22.7	21.8	22.3	22.4	22.8

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Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

Report Number : 2179635-1

Page 1 of 2

Sample Number : 21147414-1 to 7
Parameter : Wind Speed / Wind Direction
Location : วัดหนองน้ำส้ม (GPS 47P 0683730, 1584219)
Sampling Date : Jan 11 - Jan 18, 2022
Sampling by : Keerati Taweerat

Time	Jan 11 - Jan 12, 2022			Jan 12 - Jan 13, 2022			Jan 13 - Jan 14, 2022			Jan 14 - Jan 15, 2022			Jan 15 - Jan 16, 2022			Jan 16 - Jan 17, 2022			Jan 17 - Jan 18, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
09:00 AM - 10:00 AM	0.5	150.0	SSE	0.2	-	-	0.2	-	-	0.6	114.0	ESE	0.0	-	-	0.4	142.0	SE	0.0	-	-
10:00 AM - 11:00 AM	0.4	149.0	SSE	0.0	-	-	0.4	300.0	WNW	0.3	115.0	ESE	0.3	195.0	SSW	0.8	156.0	SSE	0.0	-	-
11:00 AM - 12:00 PM	0.2	-	-	0.3	125.0	SE	0.0	-	-	1.3	200.0	SSW	1.0	195.0	SSW	0.0	-	-	0.9	257.0	WSW
12:00 PM - 01:00 PM	1.2	157.0	SSE	0.6	184.0	S	0.0	-	-	0.0	-	-	0.6	151.0	SSE	0.3	243.0	WSW	0.0	-	-
01:00 PM - 02:00 PM	0.2	-	-	0.0	-	-	0.0	-	-	1.1	87.0	E	0.0	-	-	0.0	-	-	0.2	-	-
02:00 PM - 03:00 PM	0.4	290.0	WNW	0.0	-	-	0.0	-	-	0.5	195.0	SSW	0.5	266.0	W	0.0	-	-	0.0	-	-
03:00 PM - 04:00 PM	0.7	161.0	SSE	0.0	-	-	0.0	-	-	0.5	231.0	SW	0.2	-	-	0.0	-	-	0.0	-	-
04:00 PM - 05:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.3	207.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.4	221.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	253.0	WSW
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.3	223.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 AM - 09:00 AM	0.5	222.0	SW	0.0	-	-	0.5	114.0	ESE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

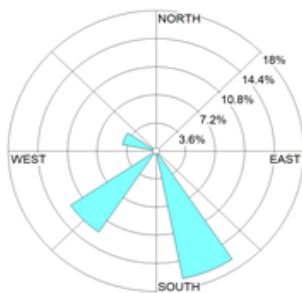
Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

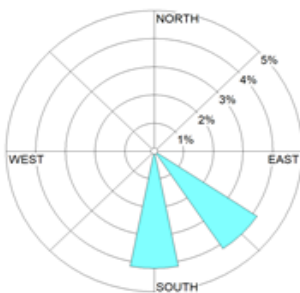
Report Number : 2179635-1

Page 2 of 2

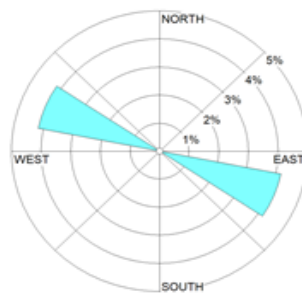
Wind Rose



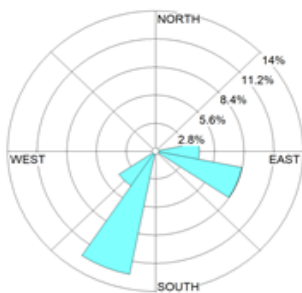
Date : Jan 11-12, 2022



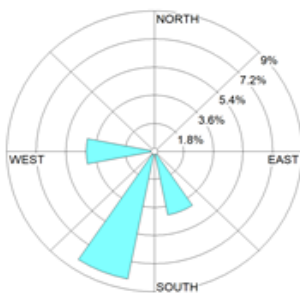
Date : Jan 12-13, 2022



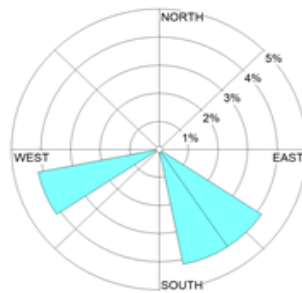
Date : Jan 13-14, 2022



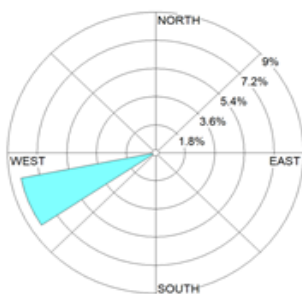
Date : Jan 14-15, 2022



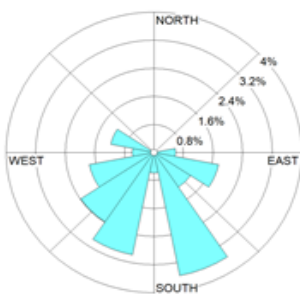
Date : Jan 15-16, 2022



Date : Jan 16-17, 2022



Date : Jan 17-18, 2022



Date : Jan 11-18, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	0.00
0.3-1.7	16.67
Calms	83.33

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

Report Number : 2179635-1

Page 1 of 2

Sample Number : 21147414-8 to 14
Parameter : Wind Speed / Wind Direction
Location : โรงเรียนวัดนางชี (GPS 47P 684432, 1587210)
Sampling Date : Jan 11 - Jan 18, 2022
Sampling by : Keerati Taweerat

Time	Jan 11 - Jan 12, 2022			Jan 12 - Jan 13, 2022			Jan 13 - Jan 14, 2022			Jan 14 - Jan 15, 2022			Jan 15 - Jan 16, 2022			Jan 16 - Jan 17, 2022			Jan 17 - Jan 18, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	0.6	230.0	SW	1.3	209.0	SSW	0.5	135.0	SE	1.4	189.0	S	1.4	181.0	S	0.9	18.0	NNE	0.6	7.0	N
12:00 PM - 01:00 PM	1.7	166.0	SSE	2.1	165.0	SSE	0.5	162.0	SSE	1.2	191.0	S	2.3	250.0	WSW	0.9	213.0	SSW	0.0	-	-
01:00 PM - 02:00 PM	0.1	-	-	1.8	164.0	SSE	0.5	127.0	SE	0.9	212.0	SSW	0.4	182.0	S	0.0	-	-	0.0	-	-
02:00 PM - 03:00 PM	0.7	248.0	WSW	1.0	204.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
03:00 PM - 04:00 PM	0.5	223.0	SW	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-
04:00 PM - 05:00 PM	1.5	211.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.1	-	-	0.0	-	-	0.4	185.0	S	0.0	-	-	0.5	165.0	SSE	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.8	154.0	SSE	0.6	185.0	S	0.5	154.0	SSE	0.0	-	-	0.0	-	-	0.1	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.5	154.0	SSE	0.0	-	-	0.4	152.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.5	154.0	SSE	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	176.0	S	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	175.0	S	0.6	298.0	WNW
03:00 AM - 04:00 AM	0.3	203.0	SSW	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.6	201.0	SSW	0.7	154.0	SSE	1.5	94.0	E	0.0	-	-	0.1	-	-	0.0	-	-	0.9	69.0	ENE
05:00 AM - 06:00 AM	0.5	205.0	SSW	0.3	154.0	SSE	0.6	74.0	ENE	0.4	213.0	SSW	1.5	199.0	SSW	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.4	201.0	SSW	2.0	175.0	S	1.9	95.0	E	1.2	112.0	ESE	0.4	152.0	SSE	0.4	109.0	ESE	0.6	163.0	SSE
07:00 AM - 08:00 AM	0.5	54.0	NE	1.4	211.0	SSW	1.1	151.0	SSE	0.1	-	-	0.2	-	-	0.9	9.0	N	0.9	164.0	SSE
08:00 AM - 09:00 AM	0.7	110.0	ESE	1.4	226.0	SW	1.6	182.0	S	1.2	153.0	SSE	1.2	159.0	SSE	1.3	20.0	NNE	1.1	151.0	SSE
09:00 AM - 10:00 AM	0.5	144.0	SE	1.9	203.0	SSW	1.8	177.0	S	1.8	131.0	SE	0.4	95.0	E	0.4	170.0	S	1.6	182.0	S
10:00 AM - 11:00 AM	0.6	142.0	SE	0.8	176.0	S	2.4	175.0	S	1.8	141.0	SE	1.2	168.0	SSE	0.3	10.0	N	1.8	177.0	S

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

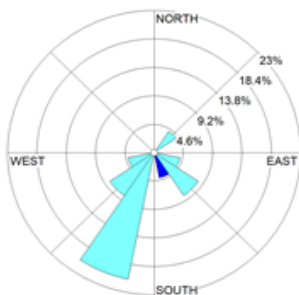
Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

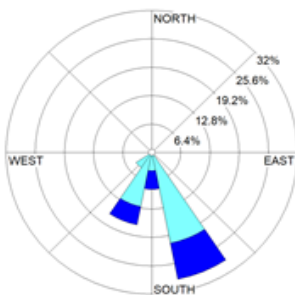
Report Number : 2179635-1

Page 2 of 2

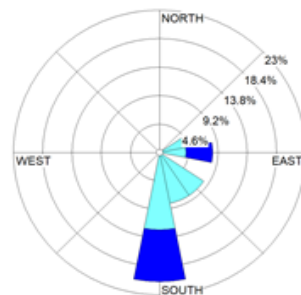
Wind Rose



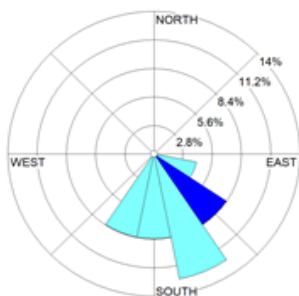
Date : Jan 11-12, 2022



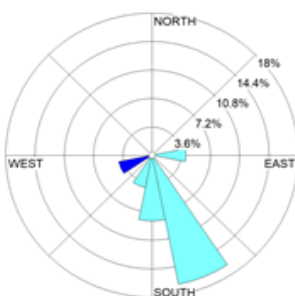
Date : Jan 12-13, 2022



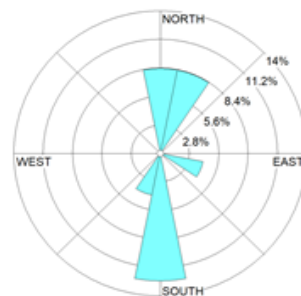
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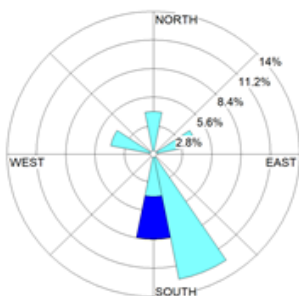
Date : Jan 14-15, 2022



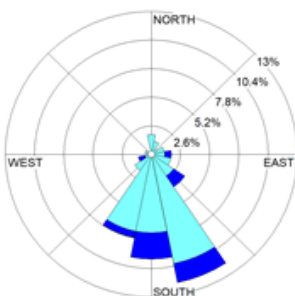
Date : Jan 15-16, 2022



Date : Jan 16-17, 2022



Date : Jan 17-18, 2022



Date : Jan 11-18, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	7.14
0.3-1.7	37.50
Calms	55.36

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

Report Number : 2179635-1

Page 1 of 2

Sample Number : 21147414-15 to 21
Parameter : Wind Speed / Wind Direction
Location : โรงเรียนวัดดอนพุดซา (GPS 47P 0687970, 1587127)
Sampling Date : Jan 11 - Jan 18, 2022
Sampling by : Keerati Taweerat

Time	Jan 11 - Jan 12, 2022			Jan 12 - Jan 13, 2022			Jan 13 - Jan 14, 2022			Jan 14 - Jan 15, 2022			Jan 15 - Jan 16, 2022			Jan 16 - Jan 17, 2022			Jan 17 - Jan 18, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	1.8	187.0	S	3.6	196.0	SSW	2.2	150.0	SSE	1.7	203.0	SSW	1.6	133.0	SE	1.8	84.0	E	0.3	0.0	N
11:00 AM - 12:00 PM	2.3	146.0	SE	2.3	175.0	S	2.1	159.0	SSE	3.6	157.0	SSE	1.7	186.0	S	1.0	165.0	SSE	0.3	156.0	SSE
12:00 PM - 01:00 PM	1.1	189.0	S	2.9	209.0	SSW	1.1	207.0	SSW	1.8	187.0	S	1.6	232.0	SW	2.4	173.0	S	1.5	105.0	ESE
01:00 PM - 02:00 PM	2.4	189.0	S	1.9	145.0	SE	1.7	169.0	S	2.3	172.0	S	3.3	123.0	ESE	1.4	207.0	SSW	0.6	91.0	E
02:00 PM - 03:00 PM	1.5	153.0	SSE	1.1	163.0	SSE	0.7	143.0	SE	1.8	145.0	SE	1.0	145.0	SE	0.8	76.0	ENE	0.8	228.0	SW
03:00 PM - 04:00 PM	1.6	97.0	E	1.6	149.0	SSE	0.7	98.0	E	3.2	187.0	S	2.1	170.0	S	1.3	0.0	N	1.1	77.0	ENE
04:00 PM - 05:00 PM	1.4	149.0	SSE	0.5	136.0	SE	0.3	131.0	SE	0.7	188.0	S	2.2	163.0	SSE	0.5	154.0	SSE	0.9	84.0	E
05:00 PM - 06:00 PM	0.0	-	-	0.4	177.0	S	0.0	-	-	0.7	143.0	SE	0.4	114.0	ESE	0.2	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.3	73.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.6	0.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.6	0.0	N	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.4	52.0	NE	0.3	93.0	E	1.4	187.0	S	0.0	-	-	1.3	183.0	S	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.8	184.0	S	1.7	183.0	S	0.5	151.0	SSE	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.9	225.0	SW	0.4	204.0	SSW	1.3	190.0	S	0.6	185.0	S	0.4	0.0	N	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.4	191.0	S	0.0	-	-	0.4	186.0	S	1.0	202.0	SSW	0.0	-	-
01:00 AM - 02:00 AM	0.6	184.0	S	0.0	-	-	1.1	210.0	SSW	0.0	-	-	0.0	-	-	0.9	200.0	SSW	0.0	-	-
02:00 AM - 03:00 AM	0.3	201.0	SSW	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.7	191.0	S	0.0	-	-
03:00 AM - 04:00 AM	0.4	187.0	S	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.8	190.0	S	0.0	-	-
04:00 AM - 05:00 AM	0.8	213.0	SSW	0.0	-	-	0.4	0.0	N	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.9	191.0	S	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.4	95.0	E	0.0	-	-
06:00 AM - 07:00 AM	0.5	213.0	SSW	0.0	-	-	0.6	0.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.3	222.0	SW	0.7	170.0	S	1.7	0.0	N	0.0	-	-	0.7	232.0	SW	0.5	216.0	SW	0.4	0.0	N
08:00 AM - 09:00 AM	0.9	227.0	SW	1.9	159.0	SSE	1.1	227.0	SW	0.5	190.0	S	1.5	212.0	SSW	0.7	0.0	N	0.6	0.0	N
09:00 AM - 10:00 AM	1.0	230.0	SW	1.4	164.0	SSE	2.7	191.0	S	1.3	152.0	SSE	2.3	162.0	SSE	0.2	-	-	1.0	171.0	S

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

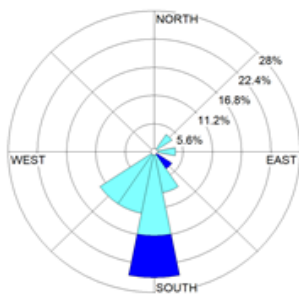
Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

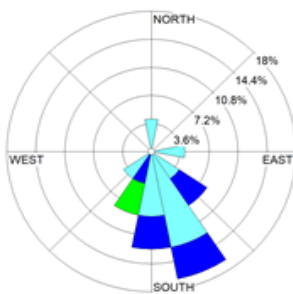
Report Number : 2179635-1

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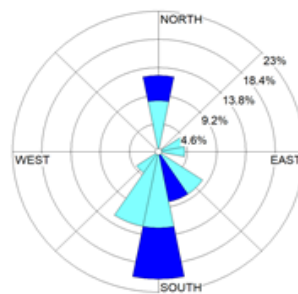
Wind Rose



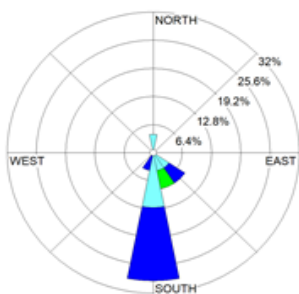
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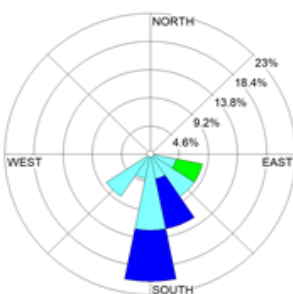
Date : Jan 12-13, 2022



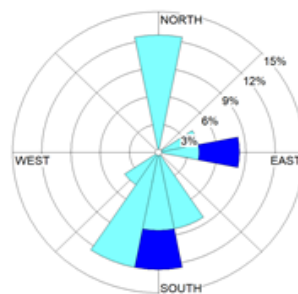
Date : Jan 13-14, 2022



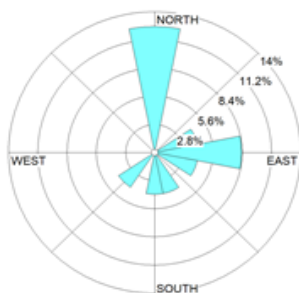
Date : Jan 14-15, 2022



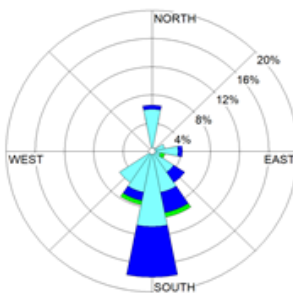
Date : Jan 15-16, 2022



Date : Jan 16-17, 2022



Date : Jan 17-18, 2022



Date : Jan 11-18, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.78
1.7-3.3	14.29
0.3-1.7	44.64
Calms	39.29

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

Report Number : 2179635-1

Page 1 of 2

Sample Number 21147414-22 to 28
Parameter Wind Speed / Wind Direction
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676947, 1583188)
Sampling Date Jan 11 - Jan 18, 2022
Sampling by Keerati Taweerat

Time	Jan 11 - Jan 12, 2022			Jan 12 - Jan 13, 2022			Jan 13 - Jan 14, 2022			Jan 14 - Jan 15, 2022			Jan 15 - Jan 16, 2022			Jan 16 - Jan 17, 2022			Jan 17 - Jan 18, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	0.4	35.0	NE	0.4	114.0	ESE	0.0	-	-	0.8	111.0	ESE	0.0	-	-	1.2	309.0	NW	0.3	37.0	NE
01:00 PM - 02:00 PM	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-	0.5	60.0	ENE	0.5	57.0	ENE	1.4	304.0	NW
02:00 PM - 03:00 PM	1.0	62.0	ENE	2.6	75.0	ENE	0.0	-	-	0.5	138.0	SE	0.1	-	-	0.0	-	-	0.0	-	-
03:00 PM - 04:00 PM	0.0	-	-	1.8	56.0	NE	0.9	119.0	ESE	0.0	-	-	1.4	196.0	SSW	0.2	-	-	0.0	-	-
04:00 PM - 05:00 PM	0.6	19.0	NNE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.7	228.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.4	140.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.4	63.0	ENE	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.5	52.0	NE	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.3	68.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	1.4	83.0	E	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	97.0	E
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	1.6	74.0	ENE	0.5	44.0	NE	0.0	-	-	0.3	88.0	E	0.4	41.0	NE
07:00 AM - 08:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	1.8	76.0	ENE	0.3	80.0	E	0.0	-	-	0.0	-	-
08:00 AM - 09:00 AM	1.4	64.0	ENE	0.0	-	-	1.9	84.0	E	1.5	92.0	E	0.0	-	-	0.0	-	-	1.3	118.0	ESE
09:00 AM - 10:00 AM	0.0	-	-	0.3	78.0	ENE	1.0	59.0	ENE	0.3	15.0	NNE	0.0	-	-	0.1	-	-	0.0	-	-
10:00 AM - 11:00 AM	0.4	248.0	WSW	1.5	225.0	SW	1.4	321.0	NW	2.7	79.0	E	1.3	154.0	SSE	1.2	0.0	N	0.7	25.0	NNE
11:00 AM - 12:00 PM	0.4	89.0	E	0.0	-	-	1.6	87.0	E	1.5	191.0	S	1.0	2.0	N	1.0	45.0	NE	1.4	61.0	ENE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

P/O : สัญญาเลขที่ 4600001481

Project Name : Monitoring EIA

Project Location : GUT

Lot ID : 21147414

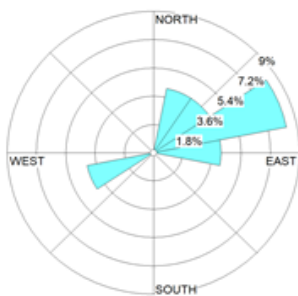
Date Received : Jan 20, 2022

Date Reported : Jan 25, 2022

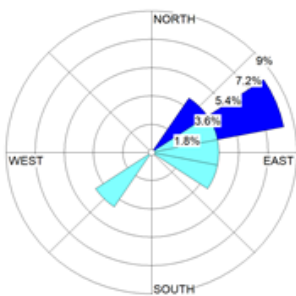
Report Number : 2179635-1

Page 2 of 2

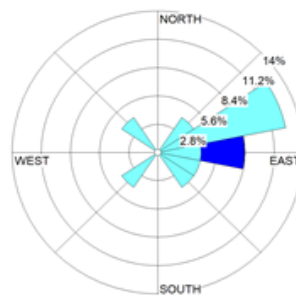
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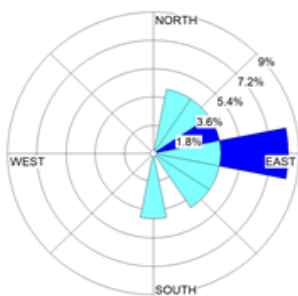
Date : Jan 11-12, 2022



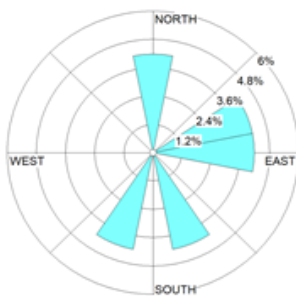
Date : Jan 12-13, 2022



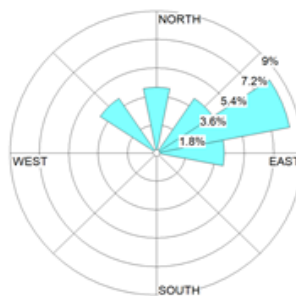
Date : Jan 13-14, 2022



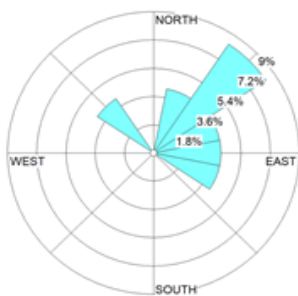
Date : Jan 14-15, 2022



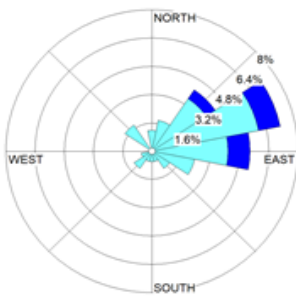
Date : Jan 15-16, 2022



Date : Jan 16-17, 2022



Date : Jan 17-18, 2022



Date : Jan 11-18, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	2.97
0.3-1.7	25.60
Calms	71.43

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Approved by

Sarayuth Jitranont
Assistant General Manager