

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศจากปล่องระบาย



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122150
Date Received : Nov 26, 2022
Date Reported : Nov 29, 2022
Report Number : 2453461-1

Page 1 of 1

Sample Number 22122150-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Measurement Date Nov 25, 2022

Stack Description

Ambient Temperature	30 °C	Diameter	3.35 m	Oxygen	14.48 %
Ambient Pressure	743 mmHg	Shape	Circle	Carbon dioxide	3.76 %
Type of Process	Combustion	Stack Temperature	118 °C	Gas Velocity	15.50 m/s
Type of Fuel	Natural Gas	Moisture	8.80 %	Flow Rate	333969 Nm ³ /hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	12:00 PM - 12:20 PM	14.46	3.76	18.51	39.94	0.15	0.32
2	12:21 PM - 12:41 PM	14.49	3.76	18.78	40.70	0.15	0.33
3	12:42 PM - 01:02 PM	14.49	3.76	19.26	41.74	0.17	0.36
Average (ppm)		14.48	3.76	18.85	40.79	0.16	0.34
Guideline ^{1/} (ppm)				-	60	-	6
Guideline ^{2/} (ppm)				-	120	-	20
Result (mg/Nm ³)				35.46	76.75	0.41	0.88
Emission Rate at Actual O ₂ (g/s)				3.2899		0.0378	
Guideline ^{1/} (g/s)				7.4		1.0	
Method				US EPA Method 7E		US EPA Method 6C	

Sampled By : Ussaree Namburee

Guideline : ^{1/} Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122155

Date Received : Nov 26, 2022
Date Reported : Dec 06, 2022
Report Number: 2453466-1

Page 1 of 2

Sample Number 22122155-1
Sampled Date Nov 25, 2022
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Date Analysis Commenced Dec 01, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	743	mmHg	Diameter	3.35	m	Oxygen	14.5	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	15.5	m/s
Type of Fuel	Natural Gas		Moisture	8.91	%	Flow Rate (Actual O2)	333271	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 14.5 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	12:00 PM - 12:48 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4717

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122155

Date Received : Nov 26, 2022
Date Reported : Dec 06, 2022
Report Number: 2453466-1

Page 2 of 2

Sample Number 22122155-1
Sampled Date Nov 25, 2022
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Date Analysis Commenced Dec 01, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	743	mmHg	Diameter	3.35	m	Oxygen	14.5	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	118	°C	Gas Velocity	15.5	m/s
Type of Fuel	Natural Gas		Moisture	8.91	%	Flow Rate (Actual O2)	333271	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	12:00 PM - 12:48 PM	g/s	-	-	<0.05	1.7	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Atsawared Jorsaw

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)
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Approved by

Kanokkorn Anek

Kanokkorn Anek
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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122151
Date Received : Nov 26, 2022
Date Reported : Nov 29, 2022
Report Number : 2453458-1

Page 1 of 1

Sample Number 22122151-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Measurement Date Nov 24, 2022

Stack Description

Ambient Temperature	30 °C	Diameter	3.35 m	Oxygen	14.47 %
Ambient Pressure	743 mmHg	Shape	Circle	Carbon dioxide	3.75 %
Type of Process	Combustion	Stack Temperature	117 °C	Gas Velocity	14.62 m/s
Type of Fuel	Natural Gas	Moisture	8.35 %	Flow Rate	317475 Nm ³ /hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	11:45 AM - 12:05 PM	14.40	3.78	16.33	34.92	0.08	0.17
2	12:06 PM - 12:26 PM	14.51	3.74	21.76	47.30	0.10	0.21
3	12:27 PM - 12:47 PM	14.49	3.75	21.83	47.34	0.10	0.22
Average (ppm)		14.47	3.75	19.97	43.19	0.09	0.20
Guideline ^{1/} (ppm)				-	60	-	6
Guideline ^{2/} (ppm)				-	120	-	20
Result (mg/Nm ³)				37.57	81.25	0.24	0.53
Emission Rate at Actual O ₂ (g/s)				3.3135		0.0214	
Guideline ^{1/} (g/s)				7.4		1.0	
Method				US EPA Method 7E		US EPA Method 6C	

Sampled By : Ussaree Namburee

Guideline : ^{1/} Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122156

Date Received : Nov 26, 2022
Date Reported : Dec 06, 2022
Report Number: 2453463-1

Page 1 of 2

Sample Number 22122156-1
Sampled Date Nov 24, 2022
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Date Analysis Commenced Dec 01, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	743	mmHg	Diameter	3.35	m	Oxygen	14.5	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	117	°C	Gas Velocity	14.6	m/s
Type of Fuel	Natural Gas		Moisture	8.38	%	Flow Rate (Actual O2)	317053	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 14.5 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:45 AM - 12:33 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	US EPA, Method 5	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Technical Management

Saranya C.

Saranya Chalermthamrong
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Approved by

Kanokkorn Anek

Kanokkorn Anek
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Analysis / Test Report

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456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122156
Date Received : Nov 26, 2022
Date Reported : Dec 06, 2022
Report Number: 2453463-1

Page 2 of 2

Sample Number 22122156-1
Sampled Date Nov 24, 2022
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Date Analysis Commenced Dec 01, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	743	mmHg	Diameter	3.35	m	Oxygen	14.5	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	117	°C	Gas Velocity	14.6	m/s
Type of Fuel	Natural Gas		Moisture	8.38	%	Flow Rate (Actual O2)	317053	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:45 AM - 12:33 PM	g/s	-	-	<0.04	1.7	-	Calculated	Bangkok

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.

Sampled By : Atsawared Jorsaw

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Saranya C.
Saranya Chalermthamrong
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ภาคผนวก ค-2

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122125

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2515028-1

Page 1 of 1

Sample Description	Air Quality				
Location	โรงเรียนบ้านหนองดาดง (GPS 48P 0194367, 1654799)				
Date Analysis Commenced	Dec 02, 2022				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and 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)
22122125-1	Nov 21 - Nov 22, 2022	0.090	0.036	747	29
22122125-2	Nov 22 - Nov 23, 2022	0.114	0.033	747	30
22122125-3	Nov 23 - Nov 24, 2022	0.048	0.012	747	30
22122125-4	Nov 24 - Nov 25, 2022	0.036	0.015	747	29
22122125-5	Nov 25 - Nov 26, 2022	0.070	0.030	747	30
22122125-6	Nov 26 - Nov 27, 2022	0.059	0.026	747	30
22122125-7	Nov 27 - Nov 28, 2022	0.071	0.029	747	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 : Sangtawan Natasat

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122125

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2515033-1

Page 1 of 1

Sample Description	Air Quality				
Location	โรงเรียนบ้านมาบมะค่า (GPS 48P 0197463, 1653650)				
Date Analysis Commenced	Dec 02, 2022				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and 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)
22122125-8	Nov 21 - Nov 22, 2022	0.059	0.027	747	29
22122125-9	Nov 22 - Nov 23, 2022	0.043	0.021	747	30
22122125-10	Nov 23 - Nov 24, 2022	0.025	0.009	747	30
22122125-11	Nov 24 - Nov 25, 2022	0.021	0.010	747	29
22122125-12	Nov 25 - Nov 26, 2022	0.045	0.019	747	30
22122125-13	Nov 26 - Nov 27, 2022	0.036	0.018	747	30
22122125-14	Nov 27 - Nov 28, 2022	0.046	0.018	747	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 : Sangtawan Natasat

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122125

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2515035-1

Page 1 of 1

Sample Description	Air Quality				
Location	โรงพยาบาลส่งเสริมสุขภาพตำบลหนองปลิง (GPS 48P 0193362, 1650626)				
Date Analysis Commenced	Dec 02, 2022				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and 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)
22122125-15	Nov 21 - Nov 22, 2022	0.073	0.035	747	29
22122125-16	Nov 22 - Nov 23, 2022	0.068	0.031	747	30
22122125-17	Nov 23 - Nov 24, 2022	0.037	0.017	747	30
22122125-18	Nov 24 - Nov 25, 2022	0.044	0.021	747	29
22122125-19	Nov 25 - Nov 26, 2022	0.062	0.031	747	30
22122125-20	Nov 26 - Nov 27, 2022	0.055	0.027	747	30
22122125-21	Nov 27 - Nov 28, 2022	0.049	0.025	747	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 : Sangtawan Natasat

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122125

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2453430-1

Page 1 of 1

Sample Description	Air Quality				
Location	วัดใหม่หนองบอน (GPS 48P 0197228, 1647957)				
Date Analysis Commenced	Dec 02, 2022				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and 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)
22122125-22	Nov 21 - Nov 22, 2022	0.055	0.031	747	29
22122125-23	Nov 22 - Nov 23, 2022	0.062	0.021	747	30
22122125-24	Nov 23 - Nov 24, 2022	0.029	0.016	747	30
22122125-25	Nov 24 - Nov 25, 2022	0.023	0.013	747	29
22122125-26	Nov 25 - Nov 26, 2022	0.041	0.024	747	30
22122125-27	Nov 26 - Nov 27, 2022	0.035	0.019	747	30
22122125-28	Nov 27 - Nov 28, 2022	0.035	0.021	747	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 : Sangtawan Natasat

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122115

Date Received : Nov 30, 2022

Date Reported : Dec 06, 2022

Report Number: 2453419-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรียนบ้านหนองตาก (GPS 48P 0194367, 1654799)
Parameter Nitrogen dioxide (ppm)
Measurement Date Nov 21, 2022 - Nov 28, 2022
Measurement by Sangtawan Natasat

	22122115-1	22122115-2	22122115-3	22122115-4	22122115-5	22122115-6	22122115-7
Time	Nov 21, 2022	Nov 22, 2022	Nov 23, 2022	Nov 24, 2022	Nov 25, 2022	Nov 26, 2022	Nov 27, 2022
01:00 PM - 02:00 PM	<0.001	0.003	0.002	<0.001	0.001	0.002	0.002
02:00 PM - 03:00 PM	<0.001	0.002	0.002	0.001	0.001	0.002	0.002
03:00 PM - 04:00 PM	<0.001	0.002	0.002	0.002	0.001	0.002	0.002
04:00 PM - 05:00 PM	<0.001	0.002	0.001	0.001	0.001	0.001	0.002
05:00 PM - 06:00 PM	0.001	0.002	0.002	0.001	0.002	0.002	0.001
06:00 PM - 07:00 PM	0.002	0.008	0.002	0.002	0.002	0.003	0.001
07:00 PM - 08:00 PM	0.003	0.004	0.003	0.002	0.004	0.006	0.002
08:00 PM - 09:00 PM	0.005	0.007	0.003	0.003	0.006	0.006	0.005
09:00 PM - 10:00 PM	0.004	0.013	0.002	0.003	0.010	0.003	0.007
10:00 PM - 11:00 PM	0.005	0.011	0.002	0.001	0.007	0.005	0.007
11:00 PM - 12:00 AM	0.006	0.010	0.002	0.002	0.005	0.005	0.005
12:00 AM - 01:00 AM	0.010	0.008	0.002	0.002	0.004	0.006	0.004
01:00 AM - 02:00 AM	0.008	0.007	0.004	0.002	0.006	0.004	0.003
02:00 AM - 03:00 AM	0.008	0.006	0.003	0.002	0.005	0.004	0.003
03:00 AM - 04:00 AM	0.006	0.005	0.002	0.002	0.004	0.003	0.003
04:00 AM - 05:00 AM	0.006	0.004	0.002	0.002	0.003	0.002	0.002
05:00 AM - 06:00 AM	0.004	0.003	0.001	0.002	0.003	0.002	0.002
06:00 AM - 07:00 AM	0.004	0.003	0.001	0.001	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.006	0.003	0.001	0.001	0.002	0.002	0.001
08:00 AM - 09:00 AM	0.007	0.003	<0.001	0.001	0.002	0.002	0.001
09:00 AM - 10:00 AM	0.008	0.004	0.001	0.002	0.001	0.002	0.002
10:00 AM - 11:00 AM	0.008	0.005	0.003	0.003	0.002	0.002	0.003
11:00 AM - 12:00 PM	0.005	0.004	0.004	0.002	0.002	0.002	0.003
12:00 PM - 01:00 PM	0.004	0.002	0.001	0.001	0.001	0.002	0.003
Average	0.005	0.005	0.002	0.002	0.003	0.003	0.003
1hr - Maximum	0.010	0.013	0.004	0.003	0.010	0.006	0.007
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 NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122115

Date Received : Nov 30, 2022
Date Reported : Dec 06, 2022
Report Number: 2511922-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนบ้านมามะค่า (GPS 49P 0187463, 1653650)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Nov 21, 2022 - Nov 29, 2022						
Measurement by	Sangtawan Natasat						
Time	22122115-9 Nov 21, 2022	22122115-8 Nov 22, 2022	22122115-10 Nov 23, 2022	22122115-11 Nov 24, 2022	22122115-12 Nov 25, 2022	22122115-13 Nov 26, 2022	22122115-14 Nov 27, 2022
12:00 PM - 01:00 PM	0.004	0.006	0.003	0.002	0.001	0.002	0.002
01:00 PM - 02:00 PM	0.003	0.005	0.002	0.001	<0.001	<0.001	0.003
02:00 PM - 03:00 PM	0.002	0.003	0.001	<0.001	<0.001	<0.001	0.001
03:00 PM - 04:00 PM	0.003	0.002	<0.001	<0.001	<0.001	<0.001	0.002
04:00 PM - 05:00 PM	0.009	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 PM - 06:00 PM	0.006	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	0.002	0.002	<0.001	<0.001	<0.001	0.001	<0.001
07:00 PM - 09:00 PM	0.001	0.001	<0.001	<0.001	0.001	0.002	<0.001
09:00 PM - 08:00 PM	0.002	0.002	0.001	<0.001	0.003	0.003	<0.001
08:00 PM - 10:00 PM	0.003	0.002	0.002	<0.001	0.005	0.003	0.004
10:00 PM - 11:00 PM	0.002	0.004	0.002	0.003	0.013	0.002	0.009
11:00 PM - 12:00 AM	0.004	0.009	0.002	0.002	0.006	0.005	0.008
12:00 AM - 01:00 AM	0.013	0.005	0.002	0.004	0.006	0.005	0.010
01:00 AM - 02:00 AM	0.008	0.010	0.004	0.003	0.006	0.005	0.009
02:00 AM - 03:00 AM	0.007	0.007	0.003	0.001	0.009	0.007	0.006
03:00 AM - 04:00 AM	0.009	0.004	0.009	0.002	0.006	0.006	0.006
04:00 AM - 05:00 AM	0.007	0.005	0.006	0.002	0.004	0.005	0.006
05:00 AM - 06:00 AM	0.004	0.003	0.003	0.004	0.005	0.005	0.005
06:00 AM - 07:00 AM	0.006	0.002	0.003	0.004	0.004	0.004	0.006
07:00 AM - 09:00 AM	0.004	0.001	0.002	0.004	0.004	0.003	0.006
09:00 AM - 08:00 AM	0.004	0.002	0.003	0.002	0.003	0.003	0.005
08:00 AM - 10:00 AM	0.003	0.002	0.003	0.002	0.003	0.003	0.004
10:00 AM - 11:00 AM	0.004	0.002	0.002	0.002	0.003	0.002	0.006
11:00 AM - 12:00 PM	0.005	0.003	0.002	0.003	0.003	0.002	0.006
Average	0.005	0.003	0.002	0.002	0.004	0.003	0.004
1hr - Maximum	0.013	0.010	0.009	0.004	0.013	0.007	0.010
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, 2008 (B.E. 2552).
Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122115

Date Received : Nov 30, 2022

Date Reported : Dec 06, 2022

Report Number: 2511923-1

Page 1 of 1

Sample Description Air Quality
Location โรงพยาบาลส่งเสริมสุขภาพตำบลหนองปลิง (GPS 49P 0183362, 16506267)
Parameter Nitrogen dioxide (ppm)
Measurement Date Nov 21, 2022 - Nov 29, 2022
Measurement by Sangtaxan Natasat

Time	22122115-15 Nov 21, 2022	22122115-16 Nov 22, 2022	22122115-1w Nov 23, 2022	22122115-19 Nov 24, 2022	22122115-18 Nov 25, 2022	22122115-20 Nov 26, 2022	22122115-21 Nov 27, 2022
10:00 AM - 11:00 AM	0.002	0.010	0.009	0.003	0.004	0.003	0.002
11:00 AM - 12:00 PM	0.004	0.010	0.00w	0.004	0.005	0.003	0.002
12:00 PM - 01:00 PM	0.005	0.012	0.009	0.005	0.008	0.006	0.002
01:00 PM - 02:00 PM	0.006	0.021	0.011	0.008	0.011	0.005	0.001
02:00 PM - 03:00 PM	0.006	0.020	0.011	0.010	0.012	0.004	0.001
03:00 PM - 04:00 PM	0.00w	0.020	0.011	0.010	0.010	0.004	0.002
04:00 PM - 05:00 PM	0.008	0.013	0.009	0.009	0.008	0.003	0.002
05:00 PM - 06:00 PM	0.015	0.015	0.009	0.006	0.010	0.002	0.001
06:00 PM - 0w:00 PM	0.016	0.015	0.00w	0.005	0.008	0.002	0.002
0w:00 PM - 09:00 PM	0.014	0.008	0.00w	0.003	0.003	0.003	0.002
09:00 PM - 08:00 PM	0.008	0.010	0.005	0.002	0.002	0.002	0.003
08:00 PM - 10:00 PM	0.00w	0.00w	0.004	0.002	0.001	0.002	0.003
10:00 PM - 11:00 PM	0.011	0.00w	0.004	0.002	0.001	0.004	0.004
11:00 PM - 12:00 AM	0.010	0.00w	0.005	0.003	0.002	0.002	0.004
12:00 AM - 01:00 AM	0.00w	0.008	0.004	0.003	0.002	0.002	0.004
01:00 AM - 02:00 AM	0.005	0.011	0.004	0.003	0.002	0.002	0.006
02:00 AM - 03:00 AM	0.00w	0.012	0.006	0.004	0.003	<0.001	0.005
03:00 AM - 04:00 AM	0.013	0.012	0.004	0.004	0.002	0.001	0.006
04:00 AM - 05:00 AM	0.012	0.012	0.006	0.004	0.002	0.002	0.00w
05:00 AM - 06:00 AM	0.008	0.011	0.006	0.003	0.003	0.004	0.004
06:00 AM - 0w:00 AM	0.009	0.009	0.005	0.003	0.003	0.004	0.004
0w:00 AM - 09:00 AM	0.00w	0.008	0.004	0.004	0.003	0.004	0.005
09:00 AM - 08:00 AM	0.00w	0.00w	0.004	0.003	0.004	0.004	0.005
08:00 AM - 10:00 AM	0.009	0.00w	0.003	0.003	0.00w	0.002	0.004
Average	0.008	0.011	0.006	0.004	0.005	0.003	0.003
1hr - Maximum	0.016	0.021	0.011	0.010	0.012	0.006	0.00w
Standard 1hr - Average	0.1w0	0.1w0	0.1w0	0.1w0	0.1w0	0.1w0	0.1w0

Standard : Notification of the National Environment Board No. 33, 2008 (B.E. 25527.

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

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122115

Date Received : Nov 30, 2022
Date Reported : Dec 06, 2022
Report Number: 2511924-1

Page 1 of 1

Sample Description	Air Quality						
Location	วัดใหม่หนองบอน (GPS 49P 0187229, 1647857)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Nov 21, 2022 - Nov 29, 2022						
Measurement by	Sangtawan Natasat						
Time	22122115-22 Nov 21, 2022	22122115-23 Nov 22, 2022	22122115-24 Nov 23, 2022	22122115-25 Nov 24, 2022	22122115-26 Nov 25, 2022	22122115-27 Nov 26, 2022	22122115-29 Nov 27, 2022
11:00 AM - 12:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
12:00 PM - 01:00 PM	<0.001	0.001	0.002	<0.001	<0.001	0.001	<0.001
01:00 PM - 02:00 PM	<0.001	0.002	0.002	0.001	<0.001	<0.001	<0.001
02:00 PM - 03:00 PM	<0.001	0.002	0.003	0.001	<0.001	<0.001	<0.001
03:00 PM - 04:00 PM	<0.001	0.004	0.002	<0.001	<0.001	<0.001	<0.001
04:00 PM - 05:00 PM	<0.001	0.004	0.002	<0.001	<0.001	<0.001	<0.001
05:00 PM - 06:00 PM	0.002	0.003	0.002	0.001	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	<0.001	0.003	0.002	<0.001	<0.001	<0.001	<0.001
07:00 PM - 09:00 PM	0.001	0.003	0.002	0.002	<0.001	<0.001	<0.001
09:00 PM - 08:00 PM	<0.001	0.002	0.002	0.001	<0.001	<0.001	<0.001
08:00 PM - 10:00 PM	<0.001	0.002	0.002	<0.001	<0.001	<0.001	<0.001
10:00 PM - 11:00 PM	<0.001	0.002	0.001	<0.001	<0.001	<0.001	<0.001
11:00 PM - 12:00 AM	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 AM - 01:00 AM	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 AM - 02:00 AM	<0.001	0.004	0.001	0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM	<0.001	0.003	0.002	0.001	<0.001	<0.001	0.002
03:00 AM - 04:00 AM	<0.001	0.003	0.002	0.001	<0.001	<0.001	0.002
04:00 AM - 05:00 AM	<0.001	0.002	0.001	0.002	0.002	<0.001	0.001
05:00 AM - 06:00 AM	<0.001	0.002	<0.001	<0.001	0.003	<0.001	0.001
06:00 AM - 07:00 AM	<0.001	0.001	<0.001	<0.001	0.002	0.001	0.001
07:00 AM - 09:00 AM	<0.001	<0.001	0.002	<0.001	0.002	0.001	0.001
09:00 AM - 08:00 AM	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001
08:00 AM - 10:00 AM	<0.001	<0.001	<0.001	0.001	0.002	<0.001	<0.001
10:00 AM - 11:00 AM	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.001
Average	<0.001	0.002	0.001	<0.001	<0.001	<0.001	<0.001
1hr - Maximum	0.002	0.004	0.003	0.002	0.003	0.001	0.002
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, 2008 (B.E. 2552).
Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122120

Date Received : Nov 30, 2022

Date Reported : Dec 06, 2022

Report Number: 2453421-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรียนบ้านหนองตาก (GPS 48P 0194367, 1654799)
Parameter Sulfur Dioxide (ppm)
Measurement Date Nov 21, 2022 - Nov 28, 2022
Measurement by Sangtawan Natasat

	22122120-1	22122120-2	22122120-3	22122120-4	22122120-5	22122120-6	22122120-7
Time	Nov 21, 2022	Nov 22, 2022	Nov 23, 2022	Nov 24, 2022	Nov 25, 2022	Nov 26, 2022	Nov 27, 2022
01:00 PM - 02:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
02:00 PM - 03:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
03:00 PM - 04:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
04:00 PM - 05:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
05:00 PM - 06:00 PM	<0.001	0.001	0.001	0.001	0.001	0.001	0.001
06:00 PM - 07:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
07:00 PM - 08:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
08:00 PM - 09:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
09:00 PM - 10:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
10:00 PM - 11:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
11:00 PM - 12:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
12:00 AM - 01:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
01:00 AM - 02:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
02:00 AM - 03:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
03:00 AM - 04:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
04:00 AM - 05:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
05:00 AM - 06:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
06:00 AM - 07:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
07:00 AM - 08:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
08:00 AM - 09:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
09:00 AM - 10:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
10:00 AM - 11:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
11:00 AM - 12:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
12:00 PM - 01:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001
1hr - Maximum	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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

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456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122120

Date Received : Nov 30, 2022

Date Reported : Dec 06, 2022

Report NumPer: 2511- 32b1

Page 1 of 1

Sample Description Air (quality)
Location โรงเรียนบ้านมามะค่า SQ8 4- Q0197463, 1653650)
Parameter Sulfur Dioxide (ppm)
Measurement Date Nov 21, 2022 to Nov 27, 2022
Measurement by Sangtawan Natasat

Time	22122120b- Nov 21, 2022	22122120b9 Nov 22, 2022	22122120b10 Nov 23, 2022	22122120b11 Nov 24, 2022	22122120b12 Nov 25, 2022	22122120b13 Nov 26, 2022	22122120b14 Nov 27, 2022
12:00 QM to 01:00 QM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
01:00 QM to 02:00 QM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 QM to 03:00 QM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
03:00 QM to 04:00 QM	0.002	0.002	0.002	0.002	0.001	0.002	0.002
04:00 QM to 05:00 QM	0.002	0.002	0.002	0.001	0.001	0.002	0.002
05:00 QM to 06:00 QM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
06:00 QM to 07:00 QM	0.002	<0.001	0.002	0.002	0.002	0.002	0.002
07:00 QM to 08:00 QM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
08:00 QM to 09:00 QM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
09:00 QM to 10:00 QM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
10:00 QM to 11:00 QM	0.002	0.002	0.001	0.002	0.002	0.002	0.002
11:00 QM to 12:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
12:00 AM to 01:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
01:00 AM to 02:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 AM to 03:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
03:00 AM to 04:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
04:00 AM to 05:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 AM to 06:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 AM to 07:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
07:00 AM to 08:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
08:00 AM to 09:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
09:00 AM to 10:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
10:00 AM to 11:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
11:00 AM to 12:00 QM	0.002	0.002	0.002	0.001	0.002	0.002	0.002
Average	0.002	0.002	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.253-), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : U8 EPA Method Part 53 and 5-

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Saranya Chalermthamrong
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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122120

Date Received : Nov 30, 2022

Date Reported : Dec 06, 2022

Report NumPer: 2511- 33b1

Page 1 of 1

Sample Description Air (quality)
Location โรงพยาบาลส่งเสริมสุขภาพตำบลหนองปลิง SGQ8 4-Q 0193362, 16506267
Parameter Sulfur Dioxide Sppm7
Measurement Date Nov 21, 2022 to Nov 24, 2022
Measurement by Sangtana Natasat

Time	22122120b15 Nov 21, 2022	22122120b16 Nov 22, 2022	22122120b17 Nov 23, 2022	22122120b18 Nov 24, 2022	22122120b19 Nov 25, 2022	22122120b20 Nov 26, 2022	22122120b21 Nov 27, 2022
10:00 AM to 11:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11:00 AM to 12:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 PM to 01:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 PM to 02:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 PM to 03:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 PM to 04:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 PM to 05:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 PM to 06:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 PM to 07:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 PM to 08:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 PM to 09:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09:00 PM to 10:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10:00 PM to 11:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11:00 PM to 12:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 AM to 01:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 AM to 02:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 AM to 03:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 AM to 04:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 AM to 05:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 AM to 06:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 AM to 07:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 AM to 08:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 AM to 09:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09:00 AM to 10:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Average	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1hr Maximum	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
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.253-7, No. 21, 2001 B.E.25447 and No.24, 2004 B.E.2547.
Reference Method : U8 EPA Method Part 53 and 5-

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122120

Date Received : Nov 30, 2022

Date Reported : Dec 06, 2022

Report Number: 2511836-1

Page 1 of 1

Sample Description Air Quality
Location วัดใหม่หนองบอน (GPS 48P 0197228, 1647957)
Parameter Sulfur Dioxide (ppm)
Measurement Date Nov 21, 2022 - Nov 28, 2022
Measurement by Sangtawan Natasat

	22122120-22	22122120-23	22122120-24	22122120-25	22122120-26	22122120-27	22122120-28
Time	Nov 21, 2022	Nov 22, 2022	Nov 23, 2022	Nov 24, 2022	Nov 25, 2022	Nov 26, 2022	Nov 27, 2022
11:00 AM - 12:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
12:00 PM - 01:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.002	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	0.002	0.002	0.002	0.002	0.002	0.002	0.002
08:00 PM - 09:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
11:00 PM - 12:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
01:00 AM - 02:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 AM - 03:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
03:00 AM - 04:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
04:00 AM - 05:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 AM - 06:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.002	0.002	0.001	0.002	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
08:00 AM - 09:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
09:00 AM - 10:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
10:00 AM - 11:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Average	0.002	0.002	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 NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122121
Date Received :Nov 30, 2022
Date Reported :Dec 07, 2022
Report Number :2509448-1

Page 1 of 1

Sample Number : 22122121-1 to 7
Parameter : Temperature
Location : โรงเรียนบ้านหนองตาก (GPS 48P 0194367, 1654799)
Sampling Date : Nov 21 - Nov 28, 2022
Sampling by : Sangtawan Natasat

Time	Temperature (°C)						
	Nov 21 - Nov 22, 2022	Nov 22 - Nov 23, 2022	Nov 23 - Nov 24, 2022	Nov 24 - Nov 25, 2022	Nov 25 - Nov 26, 2022	Nov 26 - Nov 27, 2022	Nov 27 - Nov 28, 2022
01:00 PM - 02:00 PM	32.3	33.2	29.8	30.5	30.4	30.4	30.6
02:00 PM - 03:00 PM	30.5	32.3	30.9	29.8	30.1	27.6	29.5
03:00 PM - 04:00 PM	30.4	31.1	28.6	26.8	30.0	23.9	28.4
04:00 PM - 05:00 PM	29.0	31.2	27.1	25.6	29.3	24.9	27.9
05:00 PM - 06:00 PM	26.7	29.3	26.1	25.3	28.1	25.1	26.4
06:00 PM - 07:00 PM	26.1	28.6	25.1	25.1	27.8	24.0	25.9
07:00 PM - 08:00 PM	25.6	28.1	24.5	24.9	27.1	23.8	25.4
08:00 PM - 09:00 PM	25.1	26.8	24.6	24.9	26.8	23.7	24.8
09:00 PM - 10:00 PM	24.5	26.6	24.5	24.8	26.2	23.7	24.6
10:00 PM - 11:00 PM	24.0	25.7	24.5	24.4	25.6	23.7	24.4
11:00 PM - 12:00 AM	23.7	26.0	24.4	24.5	25.6	23.5	24.5
12:00 AM - 01:00 AM	24.2	25.9	24.5	24.6	25.5	23.4	24.8
01:00 AM - 02:00 AM	23.9	26.2	24.3	24.2	25.3	23.2	24.5
02:00 AM - 03:00 AM	25.0	25.9	24.2	23.7	24.6	22.9	24.3
03:00 AM - 04:00 AM	23.9	25.5	23.9	23.7	24.4	23.3	23.5
04:00 AM - 05:00 AM	23.4	25.1	23.8	24.0	24.3	23.1	23.2
05:00 AM - 06:00 AM	23.1	24.5	23.9	23.9	23.9	22.8	23.1
06:00 AM - 07:00 AM	23.1	24.8	23.7	24.2	24.4	23.1	23.7
07:00 AM - 08:00 AM	25.0	27.1	23.8	25.5	26.7	24.4	26.1
08:00 AM - 09:00 AM	28.1	28.6	24.5	27.5	28.9	26.4	29.2
09:00 AM - 10:00 AM	29.4	28.8	26.5	29.3	30.1	27.9	29.2
10:00 AM - 11:00 AM	31.1	28.9	27.6	29.9	30.0	29.0	31.0
11:00 AM - 12:00 PM	32.0	29.9	28.6	29.9	31.7	30.3	31.5
12:00 PM - 01:00 PM	31.8	29.7	29.0	32.2	31.4	30.5	31.7
Average – 24 hr	26.7	27.9	25.8	26.2	27.4	25.2	26.6
Max – 1 hr	32.3	33.2	30.9	32.2	31.7	30.5	31.7
Min – 1 hr	23.1	24.5	23.7	23.7	23.9	22.8	23.1

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Approved by

Sarayuth Jittranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122121
Date Received :Nov 30, 2022
Date Reported :Dec 07, 2022
Report Number :2509455-1

Page 1 of 1

Sample Number : 22122121-8 to 14
Parameter : Temperature
Location : โรงเรียนบ้านมาบมะค่า (GPS 48P 0197463, 1653650)
Sampling Date : Nov 21 - Nov 28, 2022
Sampling by : Sangtawan Natasat

Time	Temperature (°C)						
	Nov 21 - Nov 22, 2022	Nov 22 - Nov 23, 2022	Nov 23 - Nov 24, 2022	Nov 24 - Nov 25, 2022	Nov 25 - Nov 26, 2022	Nov 26 - Nov 27, 2022	Nov 27 - Nov 28, 2022
12:00 PM - 01:00 PM	29.7	29.8	28.4	27.5	29.3	30.0	29.2
01:00 PM - 02:00 PM	30.4	30.1	29.2	29.0	30.5	30.6	30.0
02:00 PM - 03:00 PM	30.3	30.4	29.0	29.7	30.4	28.8	29.3
03:00 PM - 04:00 PM	29.9	30.6	29.4	28.8	29.5	27.8	28.2
04:00 PM - 05:00 PM	29.5	30.3	27.6	26.0	29.3	23.7	27.8
05:00 PM - 06:00 PM	27.8	30.0	26.5	25.1	27.9	24.2	27.1
06:00 PM - 07:00 PM	26.2	28.4	25.6	24.8	27.5	24.4	25.7
07:00 PM - 08:00 PM	25.6	27.9	24.9	24.8	27.0	22.8	25.6
08:00 PM - 09:00 PM	25.6	27.2	24.2	24.9	26.4	23.3	25.1
09:00 PM - 10:00 PM	25.0	26.2	24.4	24.9	26.1	23.2	24.8
10:00 PM - 11:00 PM	24.3	26.4	24.5	24.5	25.4	23.3	24.5
11:00 PM - 12:00 AM	24.0	25.1	24.3	24.3	25.3	23.3	24.3
12:00 AM - 01:00 AM	24.0	25.5	24.3	24.3	25.4	23.2	24.5
01:00 AM - 02:00 AM	24.0	25.3	24.2	24.3	25.4	23.2	24.5
02:00 AM - 03:00 AM	23.9	25.7	24.0	24.0	25.1	23.2	24.4
03:00 AM - 04:00 AM	23.8	25.5	24.0	23.5	24.5	23.2	24.0
04:00 AM - 05:00 AM	23.7	25.3	23.8	23.7	24.4	23.2	23.5
05:00 AM - 06:00 AM	23.4	25.0	23.8	24.0	24.4	22.9	23.3
06:00 AM - 07:00 AM	23.3	24.3	23.7	23.9	24.0	22.8	23.1
07:00 AM - 08:00 AM	23.9	24.8	23.7	24.0	24.3	23.2	23.8
08:00 AM - 09:00 AM	25.4	25.7	23.7	25.3	25.9	24.2	25.3
09:00 AM - 10:00 AM	26.6	27.2	24.2	26.6	27.2	25.1	26.7
10:00 AM - 11:00 AM	27.8	27.2	25.9	28.1	28.8	26.5	27.6
11:00 AM - 12:00 PM	29.2	27.8	26.8	28.6	29.0	27.8	28.4
Average – 24 hr	26.1	27.2	25.4	25.6	26.8	24.7	25.9
Max – 1 hr	30.4	30.6	29.4	29.7	30.5	30.6	30.0
Min – 1 hr	23.3	24.3	23.7	23.5	24.0	22.8	23.1

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Approved by

Sarayuth Jittranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122121
Date Received :Nov 30, 2022
Date Reported :Dec 07, 2022
Report Number :2509462-1

Page 1 of 1

Sample Number : 22122121-15 to 21
Parameter : Temperature
Location : โรงพยาบาลส่งเสริมสุขภาพตำบลหนองปลิง (GPS 48P 0193362, 1650626)
Sampling Date : Nov 21 - Nov 28, 2022
Sampling by : Sangtawan Natasat

Time	Temperature (°C)						
	Nov 21 - Nov 22, 2022	Nov 22 - Nov 23, 2022	Nov 23 - Nov 24, 2022	Nov 24 - Nov 25, 2022	Nov 25 - Nov 26, 2022	Nov 26 - Nov 27, 2022	Nov 27 - Nov 28, 2022
10:00 AM - 11:00 AM	29.8	30.6	29.0	27.5	29.2	29.9	27.8
11:00 AM - 12:00 PM	31.6	31.0	29.0	27.9	31.1	30.3	29.2
12:00 PM - 01:00 PM	31.0	31.7	30.3	27.1	31.6	31.8	31.2
01:00 PM - 02:00 PM	32.2	31.0	30.0	29.0	31.2	31.8	30.6
02:00 PM - 03:00 PM	32.1	31.6	30.0	30.1	31.1	30.6	30.1
03:00 PM - 04:00 PM	30.5	30.7	30.8	30.6	29.9	27.3	29.3
04:00 PM - 05:00 PM	29.0	30.9	29.3	27.3	29.7	24.3	28.4
05:00 PM - 06:00 PM	27.0	30.1	27.6	26.4	28.3	25.4	27.0
06:00 PM - 07:00 PM	25.5	27.6	26.5	25.5	27.0	24.6	25.4
07:00 PM - 08:00 PM	25.4	28.1	25.0	24.8	27.1	23.2	25.0
08:00 PM - 09:00 PM	26.0	26.5	24.5	25.0	26.6	23.4	24.6
09:00 PM - 10:00 PM	24.6	25.6	24.5	25.7	26.1	23.2	24.3
10:00 PM - 11:00 PM	23.8	26.6	24.2	24.8	25.6	23.3	23.9
11:00 PM - 12:00 AM	23.4	25.3	24.3	24.4	24.9	23.3	23.7
12:00 AM - 01:00 AM	23.5	25.7	24.2	24.4	25.0	23.3	23.9
01:00 AM - 02:00 AM	23.8	25.0	24.3	24.0	25.0	23.1	24.0
02:00 AM - 03:00 AM	23.8	26.4	24.2	24.5	24.8	22.9	24.2
03:00 AM - 04:00 AM	23.3	26.0	24.0	23.3	24.3	22.9	23.7
04:00 AM - 05:00 AM	22.9	25.6	23.9	23.2	24.2	23.1	23.1
05:00 AM - 06:00 AM	22.8	24.8	23.9	23.5	23.9	22.7	22.8
06:00 AM - 07:00 AM	22.6	24.0	23.8	23.7	23.7	22.4	22.7
07:00 AM - 08:00 AM	24.3	25.3	23.8	24.4	24.4	23.1	23.4
08:00 AM - 09:00 AM	27.7	26.7	23.7	25.7	27.8	24.6	27.5
09:00 AM - 10:00 AM	29.3	29.8	24.9	27.6	28.9	26.1	28.4
Average - 24 hr	26.5	27.8	26.1	25.9	27.1	25.3	26.0
Max - 1 hr	32.2	31.7	30.8	30.6	31.6	31.8	31.2
Min - 1 hr	22.6	24.0	23.7	23.2	23.7	22.4	22.7

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Approved by

Sarayuth Jittranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122121
Date Received :Nov 30, 2022
Date Reported :Dec 07, 2022
Report Number :2509469-1

Page 1 of 1

Sample Number : 22122121-22 to 28
Parameter : Temperature
Location : วัดใหม่หนองบอน (GPS 48P 0197228, 1647957)
Sampling Date : Nov 21 - Nov 28, 2022
Sampling by : Sangtawan Natasat

Time	Temperature (°C)						
	Nov 21 - Nov 22, 2022	Nov 22 - Nov 23, 2022	Nov 23 - Nov 24, 2022	Nov 24 - Nov 25, 2022	Nov 25 - Nov 26, 2022	Nov 26 - Nov 27, 2022	Nov 27 - Nov 28, 2022
11:00 AM - 12:00 PM	30.3	31.0	30.9	26.5	30.1	30.8	30.3
12:00 PM - 01:00 PM	31.7	31.5	29.0	28.7	32.6	32.0	30.8
01:00 PM - 02:00 PM	32.3	32.2	29.8	30.5	31.4	32.3	32.0
02:00 PM - 03:00 PM	31.7	30.4	30.8	30.5	31.6	29.8	31.5
03:00 PM - 04:00 PM	30.3	31.6	28.2	27.6	29.9	26.6	29.4
04:00 PM - 05:00 PM	29.3	29.8	26.6	26.2	29.3	24.4	28.3
05:00 PM - 06:00 PM	27.1	27.7	25.7	25.3	28.4	24.9	27.2
06:00 PM - 07:00 PM	25.5	26.6	24.6	24.8	27.2	24.8	25.7
07:00 PM - 08:00 PM	24.7	26.1	24.5	24.8	26.5	23.3	25.0
08:00 PM - 09:00 PM	25.3	25.4	24.5	24.8	25.6	23.2	24.8
09:00 PM - 10:00 PM	24.6	25.3	24.2	24.4	24.9	23.3	24.4
10:00 PM - 11:00 PM	23.9	24.4	24.2	23.9	24.6	23.3	24.2
11:00 PM - 12:00 AM	23.7	24.8	24.2	24.3	24.5	23.2	23.8
12:00 AM - 01:00 AM	23.4	24.8	24.3	23.9	25.0	23.3	24.3
01:00 AM - 02:00 AM	23.3	24.9	24.2	23.8	25.0	23.2	24.0
02:00 AM - 03:00 AM	22.8	25.0	24.2	23.4	24.9	22.8	24.2
03:00 AM - 04:00 AM	22.7	25.0	23.8	23.2	24.3	22.8	23.5
04:00 AM - 05:00 AM	22.7	24.5	23.7	23.5	24.2	23.1	23.3
05:00 AM - 06:00 AM	22.6	23.7	23.7	23.7	24.2	23.1	22.9
06:00 AM - 07:00 AM	23.7	24.5	23.3	23.9	23.8	22.7	22.7
07:00 AM - 08:00 AM	25.3	25.6	23.3	25.4	23.8	22.9	23.1
08:00 AM - 09:00 AM	27.9	28.2	24.2	27.9	25.6	23.8	25.0
09:00 AM - 10:00 AM	29.7	27.9	26.7	29.0	28.1	26.2	27.9
10:00 AM - 11:00 AM	30.8	28.6	28.1	29.0	29.7	27.8	30.9
Average – 24 hr	26.5	27.1	25.7	25.8	26.9	25.2	26.2
Max – 1 hr	32.3	32.2	30.9	30.5	32.6	32.3	32.0
Min – 1 hr	22.6	23.7	23.3	23.2	23.8	22.7	22.7

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 Jittranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID : 22122128

Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

Report Number : 2453445-1

Page 1 of 2

Sample Number : 22122128-1 to 7
Parameter : Wind Speed / Wind Direction
Location : โรงเรียนบ้านหนองตาตง (GPS 48P 0194367, 1654799)
Sampling Date : Nov 21 - Nov 28, 2022
Sampling by : Sangtawan Natasat

Time	Nov 21 - Nov 22, 2022			Nov 22 - Nov 23, 2022			Nov 23 - Nov 24, 2022			Nov 24 - Nov 25, 2022			Nov 25 - Nov 26, 2022			Nov 26 - Nov 27, 2022			Nov 27 - Nov 28, 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)	
01:00 PM - 02:00 PM	1.4	15.0	NNE	1.0	330.0	NNW	0.4	34.0	NE	1.2	82.0	E	2.2	60.0	ENE	0.0	-	-	1.2	140.0	SE
02:00 PM - 03:00 PM	0.2	-	-	0.4	19.0	NNE	0.7	75.0	ENE	1.4	76.0	ENE	1.9	134.0	SE	1.4	200.0	SSW	2.2	98.0	E
03:00 PM - 04:00 PM	0.1	-	-	0.2	-	-	0.5	100.0	E	1.0	126.0	SE	0.8	99.0	E	0.0	-	-	2.1	78.0	ENE
04:00 PM - 05:00 PM	0.1	-	-	0.5	88.0	E	0.5	3.0	N	1.2	92.0	E	0.9	116.0	ESE	0.2	-	-	2.0	64.0	ENE
05:00 PM - 06:00 PM	0.5	31.0	NNE	0.0	-	-	0.1	-	-	1.6	7.0	N	1.0	116.0	ESE	2.2	115.0	ESE	2.4	64.0	ENE
06:00 PM - 07:00 PM	0.2	-	-	0.4	153.0	SSE	0.2	-	-	1.4	7.0	N	1.2	90.0	E	2.0	110.0	ESE	2.2	239.0	WSW
07:00 PM - 08:00 PM	0.3	76.0	ENE	1.7	96.0	E	0.2	-	-	2.1	7.0	N	1.2	118.0	ESE	2.1	347.0	NNW	1.8	146.0	SE
08:00 PM - 09:00 PM	0.1	-	-	0.0	-	-	0.3	59.0	ENE	2.1	355.0	N	1.1	134.0	SE	1.4	347.0	NNW	1.5	146.0	SE
09:00 PM - 10:00 PM	0.1	-	-	1.3	120.0	ESE	0.4	59.0	ENE	2.0	91.0	E	1.0	76.0	ENE	1.2	347.0	NNW	1.4	191.0	S
10:00 PM - 11:00 PM	0.1	-	-	1.6	84.0	E	0.5	355.0	N	2.0	121.0	ESE	0.1	-	-	1.1	348.0	NNW	1.1	191.0	S
11:00 PM - 12:00 AM	0.1	-	-	1.2	107.0	ESE	0.5	327.0	NNW	1.7	166.0	SSE	0.2	-	-	1.2	347.0	NNW	1.0	191.0	S
12:00 AM - 01:00 AM	0.6	76.0	ENE	1.5	92.0	E	0.2	-	-	2.1	162.0	SSE	0.1	-	-	0.1	-	-	1.1	192.0	SSW
01:00 AM - 02:00 AM	0.5	76.0	ENE	1.2	78.0	ENE	0.7	1.0	N	2.0	162.0	SSE	0.2	-	-	0.1	-	-	1.0	84.0	E
02:00 AM - 03:00 AM	1.2	76.0	ENE	1.5	66.0	ENE	2.1	15.0	NNE	1.8	162.0	SSE	0.1	-	-	0.2	-	-	1.2	216.0	SW
03:00 AM - 04:00 AM	2.3	76.0	ENE	0.9	93.0	E	0.0	-	-	1.4	162.0	SSE	0.5	76.0	ENE	0.1	-	-	1.2	216.0	SW
04:00 AM - 05:00 AM	3.2	310.0	NW	1.4	94.0	E	2.4	308.0	NW	1.2	119.0	ESE	0.4	77.0	ENE	0.5	347.0	NNW	1.5	328.0	NNW
05:00 AM - 06:00 AM	3.8	310.0	NW	1.2	93.0	E	0.0	-	-	0.2	-	-	1.2	77.0	ENE	0.4	348.0	NNW	0.9	328.0	NNW
06:00 AM - 07:00 AM	4.2	309.0	NW	0.9	93.0	E	2.8	340.0	NNW	0.2	-	-	1.4	76.0	ENE	0.5	126.0	SE	0.8	328.0	NNW
07:00 AM - 08:00 AM	3.4	352.0	N	0.1	-	-	0.5	225.0	SW	0.1	-	-	1.6	97.0	E	0.5	143.0	SE	1.4	303.0	WNW
08:00 AM - 09:00 AM	2.9	33.0	NNE	0.6	53.0	NE	1.2	76.0	ENE	0.6	82.0	E	1.2	181.0	S	0.6	140.0	SE	3.2	335.0	NNW
09:00 AM - 10:00 AM	3.3	7.0	N	0.4	60.0	ENE	1.5	94.0	E	2.5	119.0	ESE	1.0	77.0	ENE	0.4	107.0	ESE	2.3	292.0	WNW
10:00 AM - 11:00 AM	3.1	350.0	N	0.3	15.0	NNE	2.0	91.0	E	2.8	124.0	SE	2.7	112.0	ESE	0.9	160.0	SSE	1.1	342.0	NNW
11:00 AM - 12:00 PM	0.9	359.0	N	0.3	27.0	NNE	0.9	93.0	E	3.4	115.0	ESE	0.7	90.0	E	0.7	80.0	E	1.0	324.0	NW
12:00 PM - 01:00 PM	2.0	52.0	NE	0.5	27.0	NNE	0.9	151.0	SSE	0.8	63.0	ENE	1.0	102.0	ESE	0.5	81.0	E	0.9	315.0	NW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID : 22122128

Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

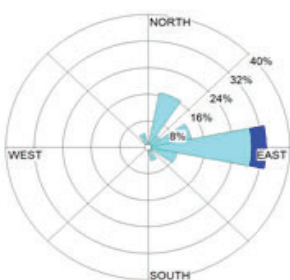
Report Number : 2453445-1

Page 2 of 2

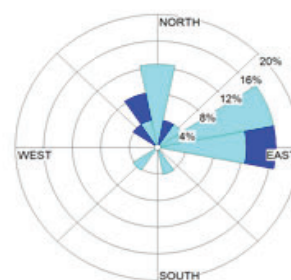
Wind Rose



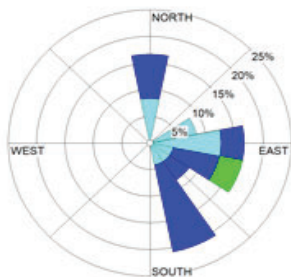
Date : Nov 21-22, 2022



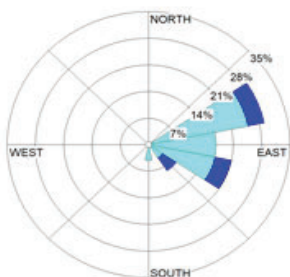
Date : Nov 22-23, 2022



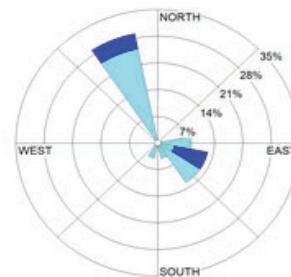
Date : Nov 23-24, 2022



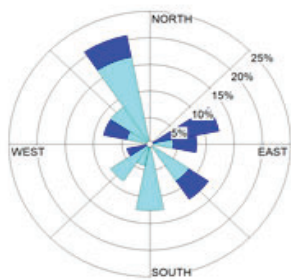
Date : Nov 24-25, 2022



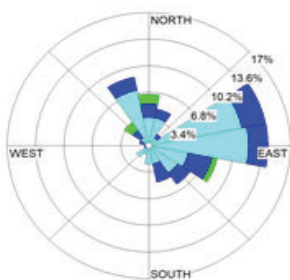
Date : Nov 25-26, 2022



Date : Nov 26-27, 2022



Date : Nov 27-28, 2022



Date : Nov 21-28, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	2.98
1.7-3.3	20.24
0.3-1.7	57.14
Calms	19.64

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID : 22122128

Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

Report Number : 2453445-1

Page 1 of 2

Sample Number : 22122128-8 to 14
Parameter : Wind Speed / Wind Direction
Location : โรงเรียนบ้านมาบมะค่า (GPS 48P 0197463, 1653650)
Sampling Date : Nov 21 - Nov 28, 2022
Sampling by : Sangtawan Natasat

Time	Nov 21 - Nov 22, 2022			Nov 22 - Nov 23, 2022			Nov 23 - Nov 24, 2022			Nov 24 - Nov 25, 2022			Nov 25 - Nov 26, 2022			Nov 26 - Nov 27, 2022			Nov 27 - Nov 28, 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	1.7	71.0	ENE	1.8	64.0	ENE	2.0	14.0	NNE	1.1	78.0	ENE	0.7	81.0	E	1.7	41.0	NE	0.2	-	-
01:00 PM - 02:00 PM	3.3	59.0	ENE	1.5	41.0	NE	1.2	0.0	N	1.0	123.0	ESE	0.5	49.0	NE	0.1	-	-	0.1	-	-
02:00 PM - 03:00 PM	1.8	60.0	ENE	2.5	58.0	ENE	0.7	16.0	NNE	1.4	72.0	ENE	0.5	86.0	E	0.2	-	-	2.0	69.0	ENE
03:00 PM - 04:00 PM	0.2	-	-	0.0	-	-	1.2	334.0	NNW	0.9	162.0	SSE	0.7	78.0	ENE	0.3	294.0	WNW	0.8	55.0	NE
04:00 PM - 05:00 PM	1.6	37.0	NE	0.6	46.0	NE	3.7	69.0	ENE	1.8	51.0	NE	0.7	65.0	ENE	1.2	291.0	WNW	0.4	69.0	ENE
05:00 PM - 06:00 PM	0.7	17.0	NNE	0.7	57.0	ENE	0.9	42.0	NE	1.6	57.0	ENE	0.8	65.0	ENE	0.9	291.0	WNW	0.4	56.0	NE
06:00 PM - 07:00 PM	0.9	17.0	NNE	1.9	43.0	NE	0.8	35.0	NE	0.0	-	-	0.4	65.0	ENE	2.1	40.0	NE	0.4	56.0	NE
07:00 PM - 08:00 PM	0.2	-	-	0.0	-	-	1.6	359.0	N	2.3	69.0	ENE	0.2	-	-	0.7	39.0	NE	0.1	-	-
08:00 PM - 09:00 PM	0.1	-	-	0.3	43.0	NE	0.5	359.0	N	0.7	5.0	N	0.3	65.0	ENE	0.7	349.0	N	0.2	-	-
09:00 PM - 10:00 PM	0.1	-	-	0.0	-	-	0.5	359.0	N	1.0	0.0	N	0.1	-	-	1.4	41.0	NE	0.2	-	-
10:00 PM - 11:00 PM	0.2	-	-	0.9	82.0	E	0.4	359.0	N	0.4	73.0	ENE	0.1	-	-	0.5	148.0	SSE	0.1	-	-
11:00 PM - 12:00 AM	0.1	-	-	0.0	-	-	0.9	359.0	N	0.5	73.0	ENE	0.2	-	-	0.3	119.0	ESE	0.2	-	-
12:00 AM - 01:00 AM	0.3	347.0	NNW	1.3	82.0	E	1.2	357.0	N	0.8	73.0	ENE	1.0	65.0	ENE	0.6	107.0	ESE	0.4	56.0	NE
01:00 AM - 02:00 AM	0.8	346.0	NNW	1.7	82.0	E	0.8	357.0	N	2.7	73.0	ENE	1.2	65.0	ENE	0.9	112.0	ESE	0.4	56.0	NE
02:00 AM - 03:00 AM	1.3	347.0	NNW	0.8	42.0	NE	0.4	354.0	N	2.7	73.0	ENE	1.1	65.0	ENE	0.8	111.0	ESE	0.1	-	-
03:00 AM - 04:00 AM	0.8	347.0	NNW	0.5	47.0	NE	1.5	51.0	NE	2.4	73.0	ENE	1.3	65.0	ENE	1.6	112.0	ESE	1.4	55.0	NE
04:00 AM - 05:00 AM	2.7	346.0	NNW	1.4	56.0	NE	0.0	-	-	2.2	73.0	ENE	1.1	65.0	ENE	1.8	115.0	ESE	2.2	56.0	NE
05:00 AM - 06:00 AM	0.1	-	-	0.9	17.0	NNE	0.5	352.0	N	2.1	73.0	ENE	0.9	65.0	ENE	0.2	-	-	2.3	56.0	NE
06:00 AM - 07:00 AM	0.4	284.0	WNW	2.2	47.0	NE	0.5	39.0	NE	2.0	73.0	ENE	0.9	65.0	ENE	0.2	-	-	2.0	56.0	NE
07:00 AM - 08:00 AM	0.5	284.0	WNW	0.8	35.0	NE	2.7	41.0	NE	1.9	73.0	ENE	0.7	65.0	ENE	0.1	-	-	0.9	56.0	NE
08:00 AM - 09:00 AM	0.3	359.0	N	1.6	31.0	NNE	0.2	-	-	1.9	71.0	ENE	0.4	65.0	ENE	0.3	109.0	ESE	0.3	344.0	NNW
09:00 AM - 10:00 AM	1.8	32.0	NNE	3.1	74.0	ENE	0.4	37.0	NE	1.8	72.0	ENE	0.5	64.0	ENE	0.2	-	-	1.2	48.0	NE
10:00 AM - 11:00 AM	1.1	56.0	NE	2.4	29.0	NNE	1.6	72.0	ENE	1.7	68.0	ENE	0.7	55.0	NE	0.3	254.0	WSW	0.4	266.0	W
11:00 AM - 12:00 PM	2.4	359.0	N	1.3	61.0	ENE	2.9	80.0	E	0.1	-	-	0.2	-	-	0.4	83.0	E	0.5	224.0	SW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID : 22122128

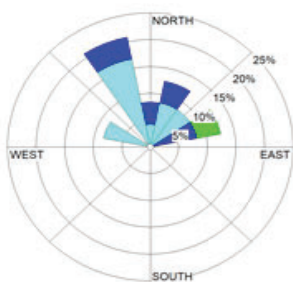
Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

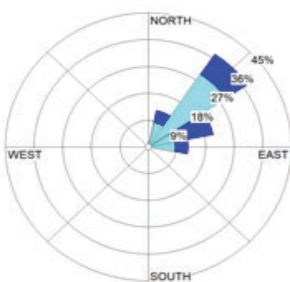
Report Number : 2453445-1

Page 2 of 2

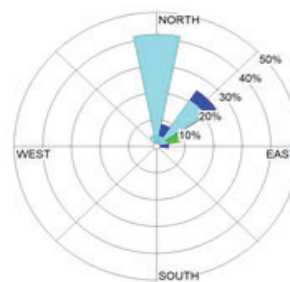
Wind Rose



Date : Nov 21-22, 2022



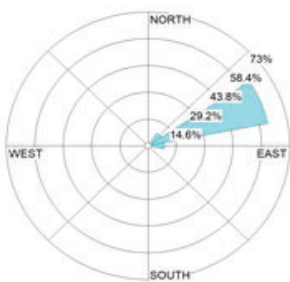
Date : Nov 22-23, 2022



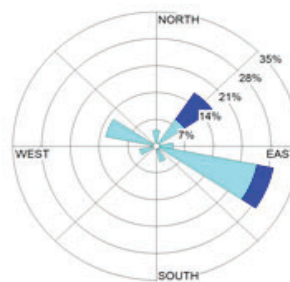
Date : Nov 23-24, 2022



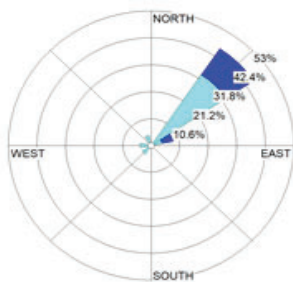
Date : Nov 24-25, 2022



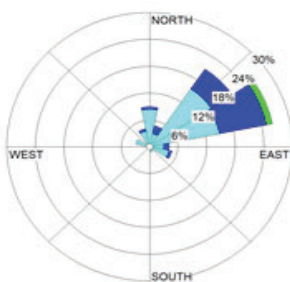
Date : Nov 25-26, 2022



Date : Nov 26-27, 2022



Date : Nov 27-28, 2022



Date : Nov 21-28, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.19
1.7-3.3	20.24
0.3-1.7	58.33
Calms	20.24

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 Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID : 22122128

Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

Report Number : 2453445-1

Page 1 of 2

Sample Number 22122128-15 to 21
Parameter Wind Speed / Wind Direction
Location โรงพยาบาลส่งเสริมสุขภาพตำบลหนองปลิง (GPS 48P 0193362, 1650626)
Sampling Date Nov 21 - Nov 28, 2022
Sampling by Sangtawan Natasat

Time	Nov 21 - Nov 22, 2022			Nov 22 - Nov 23, 2022			Nov 23 - Nov 24, 2022			Nov 24 - Nov 25, 2022			Nov 25 - Nov 26, 2022			Nov 26 - Nov 27, 2022			Nov 27 - Nov 28, 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	0.4	0.0	N	0.8	47.0	NE	2.0	119.0	ESE	1.1	3.0	N	0.6	84.0	E	0.8	53.0	NE	0.4	162.0	SSE
11:00 AM - 12:00 PM	1.0	27.0	NNE	2.2	359.0	N	1.6	69.0	ENE	2.7	83.0	E	1.3	153.0	SSE	2.5	126.0	SE	0.6	204.0	SSW
12:00 PM - 01:00 PM	0.2	-	-	1.2	76.0	ENE	0.4	85.0	E	1.1	127.0	SE	2.4	105.0	ESE	2.5	112.0	ESE	0.9	150.0	SSE
01:00 PM - 02:00 PM	1.7	54.0	NE	0.3	52.0	NE	1.0	19.0	NNE	0.5	209.0	SSW	1.6	51.0	NE	1.2	359.0	N	0.2	-	-
02:00 PM - 03:00 PM	2.2	297.0	WNW	0.4	359.0	N	1.1	42.0	NE	1.9	62.0	ENE	0.7	168.0	SSE	1.2	123.0	ESE	2.0	25.0	NNE
03:00 PM - 04:00 PM	0.7	349.0	N	1.3	94.0	E	0.2	-	-	0.9	234.0	SW	1.1	175.0	S	0.5	166.0	SSE	1.0	65.0	ENE
04:00 PM - 05:00 PM	2.1	90.0	E	0.4	84.0	E	2.1	30.0	NNE	0.7	132.0	SE	1.0	212.0	SSW	0.5	42.0	NE	0.8	136.0	SE
05:00 PM - 06:00 PM	0.0	-	-	1.8	6.0	N	2.0	24.0	NNE	1.7	0.0	N	1.2	194.0	SSW	0.4	107.0	ESE	0.8	117.0	ESE
06:00 PM - 07:00 PM	0.2	-	-	1.5	66.0	ENE	2.1	4.0	N	1.5	86.0	E	0.0	-	-	1.6	103.0	ESE	0.9	117.0	ESE
07:00 PM - 08:00 PM	1.7	26.0	NNE	0.7	101.0	E	1.8	54.0	NE	0.5	107.0	ESE	1.9	113.0	ESE	1.4	68.0	ENE	0.4	117.0	ESE
08:00 PM - 09:00 PM	1.4	69.0	ENE	1.2	99.0	E	1.7	50.0	NE	0.7	18.0	NNE	1.7	110.0	ESE	1.3	348.0	NNW	1.6	118.0	ESE
09:00 PM - 10:00 PM	1.2	69.0	ENE	1.4	99.0	E	1.5	50.0	NE	0.8	101.0	E	0.4	171.0	S	0.5	348.0	NNW	1.4	118.0	ESE
10:00 PM - 11:00 PM	1.0	69.0	ENE	1.2	100.0	E	1.1	50.0	NE	0.4	119.0	ESE	0.2	-	-	0.4	348.0	NNW	0.9	148.0	SSE
11:00 PM - 12:00 AM	1.2	69.0	ENE	1.1	111.0	ESE	1.0	50.0	NE	0.5	128.0	SE	0.1	-	-	0.7	253.0	WSW	1.7	202.0	SSW
12:00 AM - 01:00 AM	0.5	69.0	ENE	1.1	101.0	E	0.4	350.0	N	1.1	101.0	E	0.8	196.0	SSW	0.4	253.0	WSW	0.7	202.0	SSW
01:00 AM - 02:00 AM	1.3	69.0	ENE	1.0	101.0	E	0.1	-	-	1.9	126.0	SE	0.4	196.0	SSW	0.4	252.0	WSW	0.6	202.0	SSW
02:00 AM - 03:00 AM	0.3	69.0	ENE	1.1	84.0	E	0.6	334.0	NNW	0.6	126.0	SE	0.7	196.0	SSW	0.5	253.0	WSW	1.5	202.0	SSW
03:00 AM - 04:00 AM	0.3	98.0	E	1.3	115.0	ESE	1.7	345.0	NNW	0.7	126.0	SE	0.5	196.0	SSW	0.1	-	-	0.5	141.0	SE
04:00 AM - 05:00 AM	0.0	-	-	2.0	78.0	ENE	2.3	323.0	NW	1.7	126.0	SE	0.4	196.0	SSW	0.7	253.0	WSW	0.1	-	-
05:00 AM - 06:00 AM	1.5	98.0	E	1.0	348.0	NNW	1.1	13.0	NNE	2.2	126.0	SE	0.5	196.0	SSW	0.2	-	-	0.2	-	-
06:00 AM - 07:00 AM	2.2	98.0	E	1.0	33.0	NNE	1.6	12.0	NNE	2.1	126.0	SE	0.2	-	-	0.3	253.0	WSW	0.5	141.0	SE
07:00 AM - 08:00 AM	0.1	-	-	0.3	359.0	N	1.4	274.0	W	2.0	113.0	ESE	0.7	196.0	SSW	0.4	111.0	ESE	0.4	141.0	SE
08:00 AM - 09:00 AM	0.4	18.0	NNE	0.0	-	-	1.3	105.0	ESE	0.8	123.0	ESE	0.8	50.0	NE	0.8	193.0	SSW	0.8	341.0	NNW
09:00 AM - 10:00 AM	0.6	340.0	NNW	1.8	100.0	E	1.2	98.0	E	2.4	114.0	ESE	0.9	107.0	ESE	1.0	165.0	SSE	0.5	340.0	NNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID : 22122128

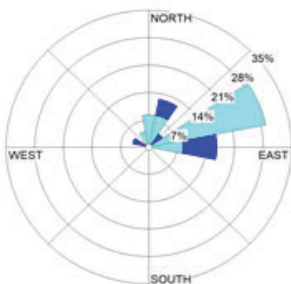
Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

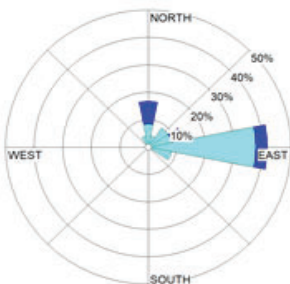
Report Number : 2453445-1

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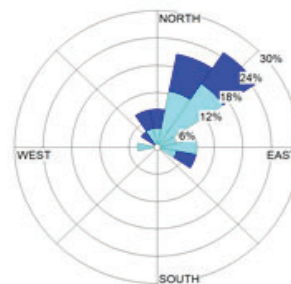
Wind Rose



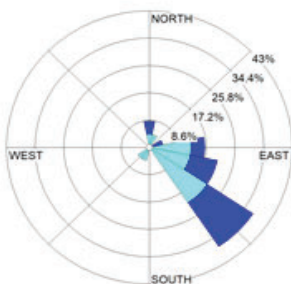
Date : Nov 21-22, 2022



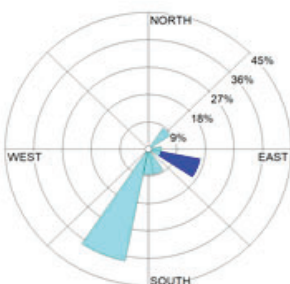
Date : Nov 22-23, 2022



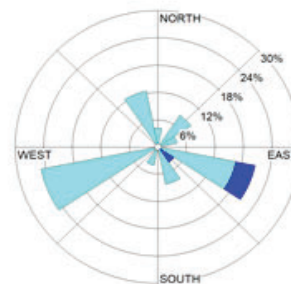
Date : Nov 23-24, 2022



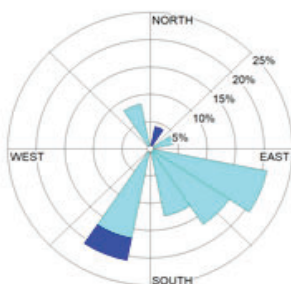
Date : Nov 24-25, 2022



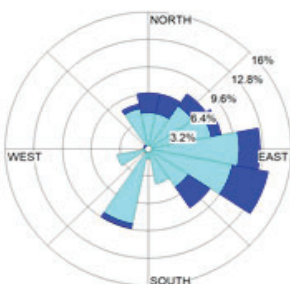
Date : Nov 25-26, 2022



Date : Nov 26-27, 2022



Date : Nov 27-28, 2022



Date : Nov 21-28, 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	19.64
0.3-1.7	70.24
Calms	10.12

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID : 22122128
Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number : 2453445-1

Page 1 of 2

Sample Number : 22122128-22 to 28
Parameter : Wind Speed / Wind Direction
Location : วัดใหม่หนองบอน (GPS 48P 0197228, 1647957)
Sampling Date : Nov 21 - Nov 28, 2022
Sampling by : Sangtawan Natasat

Time	Nov 21 - Nov 22, 2022			Nov 22 - Nov 23, 2022			Nov 23 - Nov 24, 2022			Nov 24 - Nov 25, 2022			Nov 25 - Nov 26, 2022			Nov 26 - Nov 27, 2022			Nov 27 - Nov 28, 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	0.9	52.0	NE	2.5	68.0	ENE	0.8	34.0	NE	3.4	203.0	SSW	3.2	88.0	E	0.5	157.0	SSE	2.0	231.0	SW
12:00 PM - 01:00 PM	4.7	59.0	ENE	2.8	32.0	NNE	4.6	10.0	N	3.2	183.0	S	2.3	44.0	NE	0.6	36.0	NE	2.0	109.0	ESE
01:00 PM - 02:00 PM	5.2	69.0	ENE	4.1	38.0	NE	0.3	195.0	SSW	2.9	176.0	S	3.7	75.0	ENE	0.5	62.0	ENE	2.5	53.0	NE
02:00 PM - 03:00 PM	1.4	41.0	NE	3.9	54.0	NE	2.5	40.0	NE	2.7	212.0	SSW	1.3	151.0	SSE	0.4	16.0	NNE	1.0	70.0	ENE
03:00 PM - 04:00 PM	2.0	69.0	ENE	4.3	48.0	NE	1.2	58.0	ENE	2.7	193.0	SSW	3.0	179.0	S	0.2	-	-	0.2	-	-
04:00 PM - 05:00 PM	1.3	77.0	ENE	1.8	80.0	E	1.8	338.0	NNW	2.1	189.0	S	2.1	193.0	SSW	0.1	-	-	1.0	195.0	SSW
05:00 PM - 06:00 PM	0.1	-	-	1.7	88.0	E	2.2	83.0	E	1.4	117.0	ESE	0.2	-	-	0.1	-	-	0.4	74.0	ENE
06:00 PM - 07:00 PM	0.5	5.0	N	1.4	88.0	E	0.4	9.0	N	1.5	117.0	ESE	0.4	176.0	S	1.8	184.0	S	0.2	-	-
07:00 PM - 08:00 PM	0.4	5.0	N	1.2	88.0	E	0.4	12.0	NNE	1.1	29.0	NNE	0.5	176.0	S	1.4	201.0	SSW	0.2	-	-
08:00 PM - 09:00 PM	0.2	-	-	1.1	88.0	E	0.5	68.0	ENE	1.2	78.0	ENE	0.2	-	-	0.9	65.0	ENE	0.1	-	-
09:00 PM - 10:00 PM	0.3	5.0	N	1.0	179.0	S	0.1	-	-	1.1	142.0	SE	0.1	-	-	0.9	359.0	N	0.1	-	-
10:00 PM - 11:00 PM	0.1	-	-	1.5	179.0	S	0.2	-	-	1.0	142.0	SE	0.1	-	-	0.8	63.0	ENE	0.9	198.0	SSW
11:00 PM - 12:00 AM	0.2	-	-	1.4	179.0	S	1.4	359.0	N	0.9	172.0	S	0.1	-	-	0.7	193.0	SSW	0.8	196.0	SSW
12:00 AM - 01:00 AM	0.4	5.0	N	0.8	179.0	S	1.8	8.0	N	0.5	191.0	S	0.1	-	-	0.8	133.0	SE	0.8	196.0	SSW
01:00 AM - 02:00 AM	0.5	5.0	N	2.1	178.0	S	0.0	-	-	0.4	191.0	S	0.1	-	-	2.4	136.0	SE	1.9	196.0	SSW
02:00 AM - 03:00 AM	0.7	5.0	N	2.4	68.0	ENE	4.1	16.0	NNE	0.5	191.0	S	0.1	-	-	2.1	136.0	SE	1.1	195.0	SSW
03:00 AM - 04:00 AM	0.4	5.0	N	2.5	52.0	NE	0.0	-	-	0.5	191.0	S	0.2	-	-	0.5	135.0	SE	1.3	197.0	SSW
04:00 AM - 05:00 AM	0.4	5.0	N	1.1	60.0	ENE	0.9	4.0	N	0.3	137.0	SE	0.2	-	-	0.4	136.0	SE	0.8	196.0	SSW
05:00 AM - 06:00 AM	0.5	283.0	WNW	0.0	-	-	1.3	98.0	E	0.3	137.0	SE	0.2	-	-	0.6	136.0	SE	0.7	197.0	SSW
06:00 AM - 07:00 AM	0.3	321.0	NW	2.7	20.0	NNE	0.0	-	-	0.4	139.0	SE	0.2	-	-	0.3	135.0	SE	0.7	198.0	SSW
07:00 AM - 08:00 AM	2.2	45.0	NE	2.2	61.0	ENE	0.5	186.0	S	0.5	106.0	ESE	0.1	-	-	0.2	-	-	0.6	198.0	SSW
08:00 AM - 09:00 AM	4.1	48.0	NE	3.0	41.0	NE	0.0	-	-	0.8	159.0	SSE	0.4	142.0	SE	0.1	-	-	0.5	55.0	NE
09:00 AM - 10:00 AM	0.8	0.0	N	2.4	46.0	NE	3.2	86.0	E	3.7	132.0	SE	0.3	31.0	NNE	2.4	212.0	SSW	1.2	87.0	E
10:00 AM - 11:00 AM	5.5	0.0	N	4.2	95.0	E	3.9	67.0	ENE	3.7	132.0	SE	0.5	58.0	ENE	0.6	189.0	S	3.2	60.0	ENE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID : 22122128

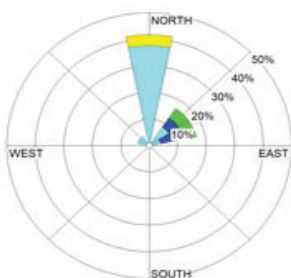
Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

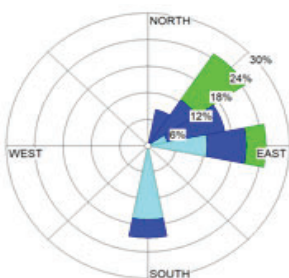
Report Number : 2453445-1

Page 2 of 2

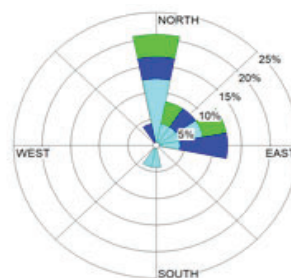
Wind Rose



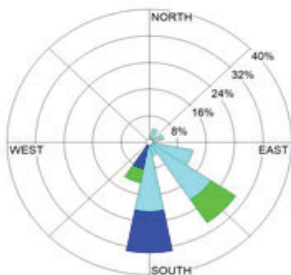
Date : Nov 21-22, 2022



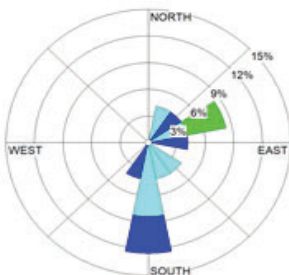
Date : Nov 22-23, 2022



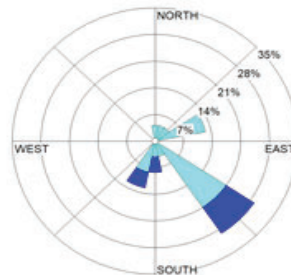
Date : Nov 23-24, 2022



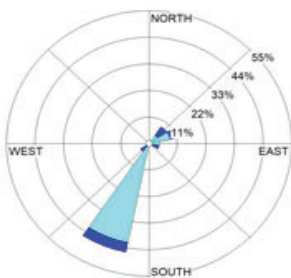
Date : Nov 24-25, 2022



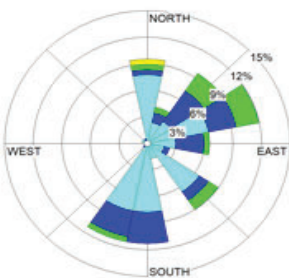
Date : Nov 25-26, 2022



Date : Nov 26-27, 2022



Date : Nov 27-28, 2022



Date : Nov 21-28, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.60
3.3-5.5	8.33
1.7-3.3	21.42
0.3-1.7	49.41
Calms	20.24

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Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-3

ระดับเสียงทั่วไป



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514536-1

Page 1 of 1

Sample Number 22122145-1
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองระเรียง 1 ตำบลทิดใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 21 - Nov 22, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	60.2	84.7	58.5
04:00 PM - 05:00 PM	59.0	70.3	58.1
05:00 PM - 06:00 PM	61.2	71.7	60.5
06:00 PM - 07:00 PM	61.5	67.0	60.8
07:00 PM - 08:00 PM	60.7	72.2	59.9
08:00 PM - 09:00 PM	59.8	63.2	59.1
09:00 PM - 10:00 PM	60.9	65.2	60.2
10:00 PM - 11:00 PM	60.5	70.3	59.7
11:00 PM - 12:00 AM	58.9	70.3	58.3
12:00 AM - 01:00 AM	59.2	61.7	58.7
01:00 AM - 02:00 AM	58.8	65.8	58.2
02:00 AM - 03:00 AM	59.3	61.7	58.8
03:00 AM - 04:00 AM	59.8	72.5	58.9
04:00 AM - 05:00 AM	59.6	72.9	58.8
05:00 AM - 06:00 AM	60.7	67.5	60.0
06:00 AM - 07:00 AM	59.9	72.4	59.1
07:00 AM - 08:00 AM	59.5	74.5	58.6
08:00 AM - 09:00 AM	59.4	68.6	58.5
09:00 AM - 10:00 AM	58.8	72.6	57.9
10:00 AM - 11:00 AM	59.0	71.1	57.9
11:00 AM - 12:00 PM	59.1	84.5	58.0
12:00 PM - 01:00 PM	59.6	67.2	58.6
01:00 PM - 02:00 PM	60.3	68.1	59.1
02:00 PM - 03:00 PM	59.9	65.9	58.7

Leq Average 24 hrs. (dB(A)) 59.9
Lmax (dB(A)) 84.7
L90 (dB(A)) 58.7
Ldn (dB(A)) 66.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514538-1

Page 1 of 1

Sample Number 22122145-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองระเรียง1 ตำบลทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 23 - Nov 24, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	60.5	64.7	59.5
04:00 PM - 05:00 PM	60.7	66.6	59.7
05:00 PM - 06:00 PM	61.7	74.8	60.8
06:00 PM - 07:00 PM	59.7	68.4	59.0
07:00 PM - 08:00 PM	60.0	65.4	59.3
08:00 PM - 09:00 PM	60.5	64.9	59.8
09:00 PM - 10:00 PM	60.5	80.7	59.5
10:00 PM - 11:00 PM	60.7	76.4	59.6
11:00 PM - 12:00 AM	61.4	65.0	60.6
12:00 AM - 01:00 AM	61.3	63.8	60.5
01:00 AM - 02:00 AM	61.4	66.3	60.5
02:00 AM - 03:00 AM	61.2	64.3	60.2
03:00 AM - 04:00 AM	60.6	67.9	59.8
04:00 AM - 05:00 AM	61.1	64.1	60.3
05:00 AM - 06:00 AM	61.3	76.1	60.4
06:00 AM - 07:00 AM	61.5	77.3	60.2
07:00 AM - 08:00 AM	59.4	71.4	58.5
08:00 AM - 09:00 AM	58.9	66.0	58.1
09:00 AM - 10:00 AM	58.7	79.8	57.8
10:00 AM - 11:00 AM	57.7	76.0	56.7
11:00 AM - 12:00 PM	57.3	70.1	56.5
12:00 PM - 01:00 PM	57.6	83.0	56.4
01:00 PM - 02:00 PM	56.7	62.2	55.8
02:00 PM - 03:00 PM	57.4	65.7	56.4

Leq Average 24 hrs. (dB(A)) 60.2
Lmax (dB(A)) 83.0
L90 (dB(A)) 59.5
Ldn (dB(A)) 67.4
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

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Lot ID: 22122145
Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report NumPer: 251453-b1

(age 1 of 1

Sample Number	22122145b4
Parameter	Noise dLe) 24 hrs.น
Location	ร วมร ี ัถถวิ กไำ จิ กฟั วนอะกิ ยถึถก1 ศาถทใตS ุG(9 48(01-6368, 1652272น
Measurement Date	Nov 24 bNov 25, 2022
Measurement by	9angtawan Natasat
Sound Level meter	9erial No. 885440

Time	Le) ดใBqAnน	Lmax ดใBqAnน	L- 0 ดใBqAnน
03:00 (M b04:00 (M	57.8	73.0	56.-
04:00 (M b05:00 (M	58.1	68.4	57.3
05:00 (M b06:00 (M	60.3	72.2	5- .6
06:00 (M b07:00 (M	5- .0	63.3	58.5
07:00 (M b08:00 (M	5- .8	75.0	5- .1
08:00 (M b0- :00 (M	60.2	77.6	5- .3
0- :00 (M b10:00 (M	58.7	6- .1	58.1
10:00 (M b11:00 (M	58.8	74.1	57.-
11:00 (M b12:00 AM	58.6	62.7	58.0
12:00 AM b01:00 AM	58.5	75.-	57.6
01:00 AM b02:00 AM	5- .0	66.2	58.4
02:00 AM b03:00 AM	5- .7	81.3	5- .0
03:00 AM b04:00 AM	5- .6	70.0	5- .0
04:00 AM b05:00 AM	5- .4	67.5	58.8
05:00 AM b06:00 AM	5- .3	67.1	58.7
06:00 AM b07:00 AM	5- .2	73.6	58.3
07:00 AM b08:00 AM	58.5	71.7	57.7
08:00 AM b0- :00 AM	58.3	77.8	57.1
0- :00 AM b10:00 AM	57.0	65.7	56.0
10:00 AM b11:00 AM	56.-	6- .5	55.8
11:00 AM b12:00 (M	56.6	67.3	55.6
12:00 (M b01:00 (M	56.4	71.0	55.4
01:00 (M b02:00 (M	5- .1	- 0.1	55.-
02:00 (M b03:00 (M	56.-	61.-	56.2

Le) Average 24 hrs. $\dot{q}_{BqA_{24}}$	58.7		
Lmax $\dot{q}_{BqA_{24}}$		- 0.1	
L-0 $\dot{q}_{BqA_{24}}$			57.-
Ldn $\dot{q}_{BqA_{24}}$	65.5		

9 standard α BGA111	70	115
----------------------------	----	-----

Reference Method : I901-- 6b1 and 1-- 6b2

[illegible]

Technical Management

Savanya C.

9aranya Chalermthamrong
9cientist 411

Approved by

Snapt S.

9upot 9alamteh
9ection Head

The above results are valid only for the analyzed/tested samples as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the LaPorta Group. The LaPorta Group of Idaho strongly recommends that this report is not reproduced except in full.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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Life Sciences

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11410b51/ EMAIL

S:\Reports\ Air Noise.rpt (4:14PM)



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514540-1

Page 1 of 1

Sample Number 22122145-5
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองระเรียง1 ตำบลทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 25 - Nov 26, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	57.2	68.4	56.4
04:00 PM - 05:00 PM	57.7	68.7	56.9
05:00 PM - 06:00 PM	60.7	72.0	59.9
06:00 PM - 07:00 PM	58.3	64.9	57.8
07:00 PM - 08:00 PM	58.2	63.6	57.7
08:00 PM - 09:00 PM	58.1	72.3	57.4
09:00 PM - 10:00 PM	58.3	70.9	57.6
10:00 PM - 11:00 PM	58.6	72.4	57.9
11:00 PM - 12:00 AM	58.3	67.6	57.7
12:00 AM - 01:00 AM	59.9	73.3	58.1
01:00 AM - 02:00 AM	60.9	72.6	59.7
02:00 AM - 03:00 AM	60.7	66.1	60.1
03:00 AM - 04:00 AM	60.3	63.4	59.6
04:00 AM - 05:00 AM	59.6	61.9	59.1
05:00 AM - 06:00 AM	60.3	64.8	59.8
06:00 AM - 07:00 AM	59.6	77.6	58.9
07:00 AM - 08:00 AM	59.0	80.1	58.1
08:00 AM - 09:00 AM	58.3	64.6	57.3
09:00 AM - 10:00 AM	57.7	79.8	56.6
10:00 AM - 11:00 AM	56.6	68.0	55.7
11:00 AM - 12:00 PM	57.3	75.4	56.3
12:00 PM - 01:00 PM	57.8	71.7	56.6
01:00 PM - 02:00 PM	58.7	86.1	57.4
02:00 PM - 03:00 PM	59.0	65.6	58.1

Leq Average 24 hrs. (dB(A)) 59.0
Lmax (dB(A)) 86.1
L90 (dB(A)) 57.7
Ldn (dB(A)) 66.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514541-1

Page 1 of 1

Sample Number 22122145-6
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองระเรียง 1 ตำบลทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	61.8	76.5	60.0
04:00 PM - 05:00 PM	59.1	75.1	58.4
05:00 PM - 06:00 PM	60.2	74.5	59.4
06:00 PM - 07:00 PM	58.4	65.4	57.7
07:00 PM - 08:00 PM	59.8	72.4	59.2
08:00 PM - 09:00 PM	59.6	65.6	58.9
09:00 PM - 10:00 PM	59.1	66.5	58.5
10:00 PM - 11:00 PM	59.7	70.8	58.8
11:00 PM - 12:00 AM	60.1	67.1	59.5
12:00 AM - 01:00 AM	58.0	67.6	57.3
01:00 AM - 02:00 AM	58.1	62.5	57.5
02:00 AM - 03:00 AM	57.8	62.2	57.1
03:00 AM - 04:00 AM	58.2	62.8	57.7
04:00 AM - 05:00 AM	58.5	69.0	58.0
05:00 AM - 06:00 AM	59.6	69.8	59.0
06:00 AM - 07:00 AM	58.7	88.1	57.5
07:00 AM - 08:00 AM	57.6	83.7	55.9
08:00 AM - 09:00 AM	59.2	83.0	58.0
09:00 AM - 10:00 AM	59.0	71.5	58.0
10:00 AM - 11:00 AM	58.4	70.4	57.7
11:00 AM - 12:00 PM	58.8	64.2	58.3
12:00 PM - 01:00 PM	58.3	70.2	57.7
01:00 PM - 02:00 PM	58.4	70.3	57.7
02:00 PM - 03:00 PM	58.6	83.3	57.7

Leq Average 24 hrs. (dB(A)) 59.1
Lmax (dB(A)) 88.1
L90 (dB(A)) 58.0
Ldn (dB(A)) 65.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514543-1

Page 1 of 1

Sample Number 22122145-8
Parameter Noise (Leq 24 hrs.)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเวียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 21 - Nov 22, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	48.3	73.9	41.1
03:00 PM - 04:00 PM	51.1	85.0	38.6
04:00 PM - 05:00 PM	48.3	71.5	39.7
05:00 PM - 06:00 PM	49.6	73.5	42.6
06:00 PM - 07:00 PM	50.1	67.1	46.7
07:00 PM - 08:00 PM	47.1	65.5	44.0
08:00 PM - 09:00 PM	46.5	61.7	43.1
09:00 PM - 10:00 PM	45.5	66.0	42.3
10:00 PM - 11:00 PM	43.6	53.5	42.2
11:00 PM - 12:00 AM	42.6	58.2	41.0
12:00 AM - 01:00 AM	42.8	57.0	40.7
01:00 AM - 02:00 AM	42.6	63.0	40.0
02:00 AM - 03:00 AM	44.0	56.0	42.4
03:00 AM - 04:00 AM	44.2	60.4	42.3
04:00 AM - 05:00 AM	41.5	60.4	39.4
05:00 AM - 06:00 AM	42.8	65.8	39.8
06:00 AM - 07:00 AM	48.7	69.2	41.2
07:00 AM - 08:00 AM	49.2	74.3	42.2
08:00 AM - 09:00 AM	52.4	84.3	39.3
09:00 AM - 10:00 AM	51.0	76.5	37.5
10:00 AM - 11:00 AM	47.4	71.1	38.3
11:00 AM - 12:00 PM	47.7	72.6	38.9
12:00 PM - 01:00 PM	48.6	71.4	41.7
01:00 PM - 02:00 PM	46.0	70.2	37.6

Leq Average 24 hrs. (dB(A)) 47.8
Lmax (dB(A)) 85.0
L90 (dB(A)) 41.0
Ldn (dB(A)) 51.7
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514544-1

Page 1 of 1

Sample Number 22122145-(
Parameter Noise d.e) 24 hrs.ข
Location ณ วัดหนองหว้าของโครงการโอบาโคไฟฟ้าตาดงโหวก 1 GP9 48P 01(4661, 1653152ข
Measurement Date Nov 22 - Nov 23, 2022
Measurement by 9angtawan Natasat
Sound Level meter 9erial No. ((8162

Time	Le) ดบqAขข	Lmax ดบqAขข	L(0 ดบqAขข
02:00 PM - 03:00 PM	46.5	66.8	37.8
03:00 PM - 04:00 PM	48.0	6(.0	37.5
04:00 PM - 05:00 PM	48.(	6(.8	38.0
05:00 PM - 06:00 PM	47.1	65.4	40.7
06:00 PM - 07:00 PM	48.2	67.8	43.7
07:00 PM - 08:00 PM	47.3	65.(	43.2
08:00 PM - 0(:00 PM	46.8	65.4	42.7
0(:00 PM - 10:00 PM	53.5	63.5	52.3
10:00 PM - 11:00 PM	55.0	68.4	52.7
11:00 PM - 12:00 AM	47.8	60.5	41.3
12:00 AM - 01:00 AM	41.7	60.6	3(.6
01:00 AM - 02:00 AM	3(.3	64.8	37.8
02:00 AM - 03:00 AM	3(.4	61.7	36.5
03:00 AM - 04:00 AM	37.7	45.6	36.5
04:00 AM - 05:00 AM	41.4	65.7	37.(
05:00 AM - 06:00 AM	41.5	5(.5	38.4
06:00 AM - 07:00 AM	48.6	71.3	41.7
07:00 AM - 08:00 AM	53.(	76.6	42.5
08:00 AM - 0(:00 AM	46.7	6(.2	38.5
0(:00 AM - 10:00 AM	50.2	72.(	3(.1
10:00 AM - 11:00 AM	48.6	72.3	37.8
11:00 AM - 12:00 PM	48.0	70.0	36.6
12:00 PM - 01:00 PM	45.7	65.3	36.1
01:00 PM - 02:00 PM	44.4	67.(	34.3

Le) Average 24 hrs. ดบqAขข 48.6
Lmax ดบqAขข 76.6
L(0 ดบqAขข 38.4
Ldn ดบqAขข 54.2
9tandard ดบqAขข 70 115

Reference Method : I901((6-1 and 1((6-2

9tandard : 1. ปรวอดรณวอโนอาไล้แก่ ส้งนแย้ าะ คบขบที่ 15 ดพ.ด. 2540ขเงอไยยด นาะไล้ราดไว้ ับเสสโด สทักพป
2. ปรวอดอวทโกงขสายอโน เงงไยยด ร่าไว้ ับเสสโอาโนออด แลวไว้ ับเสสโให้เอ้ศจอาอโนไยงนอขอา
คไยโด พ.ด. 2548

Technical Management

Saranya C.

9aranya Chalermthamrong
9cientist ดขข

Approved by

Supt S.

9upot 9alamteh
9ection Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514545-1

Page 1 of 1

Sample Number 22122145-10
Parameter Noise (Leq 24 hrs.)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเวียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 23 - Nov 24, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	47.0	67.9	36.1
03:00 PM - 04:00 PM	50.7	71.5	41.2
04:00 PM - 05:00 PM	50.2	71.6	40.7
05:00 PM - 06:00 PM	47.0	66.1	41.0
06:00 PM - 07:00 PM	48.5	69.2	44.8
07:00 PM - 08:00 PM	47.6	68.1	42.0
08:00 PM - 09:00 PM	44.9	65.5	40.0
09:00 PM - 10:00 PM	41.6	59.9	39.0
10:00 PM - 11:00 PM	44.6	71.1	38.5
11:00 PM - 12:00 AM	40.5	61.2	37.4
12:00 AM - 01:00 AM	39.3	53.7	36.9
01:00 AM - 02:00 AM	37.5	49.6	36.2
02:00 AM - 03:00 AM	38.1	54.8	36.6
03:00 AM - 04:00 AM	46.8	65.6	42.8
04:00 AM - 05:00 AM	41.8	60.0	39.1
05:00 AM - 06:00 AM	50.3	71.1	44.4
06:00 AM - 07:00 AM	59.9	86.5	54.5
07:00 AM - 08:00 AM	55.4	68.6	50.1
08:00 AM - 09:00 AM	49.2	67.8	39.9
09:00 AM - 10:00 AM	46.6	68.8	38.4
10:00 AM - 11:00 AM	48.2	68.4	37.8
11:00 AM - 12:00 PM	47.4	69.9	39.1
12:00 PM - 01:00 PM	47.2	71.9	37.0
01:00 PM - 02:00 PM	45.2	64.9	36.7

Leq Average 24 hrs. (dB(A)) 50.0
Lmax (dB(A)) 86.5
L90 (dB(A)) 39.1
Ldn (dB(A)) 57.5

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514546-1

Page 1 of 1

Sample Number 22122145-11
Parameter Noise (Leq 24 hrs.)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเวียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 24 - Nov 25, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	45.0	66.0	37.2
03:00 PM - 04:00 PM	49.1	67.8	41.1
04:00 PM - 05:00 PM	49.2	70.6	40.9
05:00 PM - 06:00 PM	49.2	68.3	42.4
06:00 PM - 07:00 PM	50.0	74.7	44.5
07:00 PM - 08:00 PM	49.3	67.4	46.3
08:00 PM - 09:00 PM	49.8	71.1	47.2
09:00 PM - 10:00 PM	48.6	63.1	47.5
10:00 PM - 11:00 PM	48.1	63.3	47.1
11:00 PM - 12:00 AM	47.7	65.7	46.8
12:00 AM - 01:00 AM	47.9	59.0	47.1
01:00 AM - 02:00 AM	46.5	55.6	45.6
02:00 AM - 03:00 AM	47.1	59.9	46.4
03:00 AM - 04:00 AM	46.9	57.2	46.3
04:00 AM - 05:00 AM	47.5	62.4	46.2
05:00 AM - 06:00 AM	44.5	67.3	41.1
06:00 AM - 07:00 AM	48.8	69.3	40.8
07:00 AM - 08:00 AM	50.5	68.7	42.9
08:00 AM - 09:00 AM	47.8	70.6	40.2
09:00 AM - 10:00 AM	48.0	69.4	38.3
10:00 AM - 11:00 AM	46.0	66.8	37.8
11:00 AM - 12:00 PM	47.2	72.9	38.1
12:00 PM - 01:00 PM	45.6	70.0	37.2
01:00 PM - 02:00 PM	44.1	64.6	36.9

Leq Average 24 hrs. (dB(A)) 48.0
Lmax (dB(A)) 74.7
L90 (dB(A)) 42.4
Ldn (dB(A)) 53.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

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Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145
Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report NumPer: 251454-bl

(age 1 of 1

Sample Number 22122145bl2
Parameter Noise d.e) 24 hrs.ข
Location ม ด ำดตทศวำกัฒะอขงคโรวำอำคโฬพหำยดงวำเวเก้ำสโ 1 คส(9 48(01w4661, 1653152ข
Measurement Date Nov 25 b Nov 26, 2022
Measurement by 9angtaBan Natasat
Sound Level meter 9erial No. ww8162

Time	Le) คดขคขขข	Lma7 คดขคขขข	Lw0 คดขคขขข
02:00 (M b 03:00 (M	46.-	65.5	3- .5
03:00 (M b 04:00 (M	4- .w	- 3.2	3- .5
04:00 (M b 05:00 (M	48.w	- 1.8	40.0
05:00 (M b 06:00 (M	4w6	6w-	41.8
06:00 (M b 0- :00 (M	50.3	6- .2	45.3
0- :00 (M b 08:00 (M	50.w	6- .0	46.5
08:00 (M b 0w:00 (M	4ww	6- .5	45.5
0w:00 (M b 10:00 (M	4- .2	66.1	43.-
10:00 (M b 11:00 (M	45.0	5w4	42.2
11:00 (M b 12:00 AM	45.-	66.6	42.3
12:00 AM b 01:00 AM	43.6	62.4	40.5
01:00 AM b 02:00 AM	43.5	60.4	40.6
02:00 AM b 03:00 AM	41.3	53.8	3w3
03:00 AM b 04:00 AM	41.0	56.4	38.8
04:00 AM b 05:00 AM	42.4	6- .-	3w0
05:00 AM b 06:00 AM	43.5	64.5	40.w
06:00 AM b 0- :00 AM	50.w	82.5	41.3
0- :00 AM b 08:00 AM	4w8	6w8	41.4
08:00 AM b 0w:00 AM	53.8	81.-	38.-
0w:00 AM b 10:00 AM	52.w	- - .2	3w5
10:00 AM b 11:00 AM	54.2	- w2	43.1
11:00 AM b 12:00 (M	50.3	- 2.-	44.1
12:00 (M b 01:00 (M	51.w	80.5	40.1
01:00 (M b 02:00 (M	51.w	- 5.8	38.0

Le) Average 24 hrs. คดขคขขข 4w6
Lma7 คดขคขขข 82.5
Lw0 คดขคขขข 40.6
Ldn คดขคขขข 53.1
9tandard คดขคขขข - 0 115

Reference Method : I901ww6bl and 1ww6b2

9tandard : 1. ปรำวำดรควำในอำสำค้ำก้ำ สำนงนยำนโ ำะคณบำนที่ 15 คพ.ด. 2540ขงำงอำยัด นำนะสำดำนวำบสำสโค สทกพป
2. ปรำวำดอวำทโงขสำอำนใน อำงอำยัด รำวำบสำสโอำวำมำอกด แลวำวำบสำสโให้อำศจำออำปำวำงนขอพอำ
คโโอำด พ.ด. 2548

Technical Management

Saranya C.

9aranya Chalermthamrong
9cientist คขข

Approved by

Supt S

9upot 9alamteh
9ection Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514548-1

Page 1 of 1

Sample Number 22122145-13
Parameter Noise (Leq 24 hrs.)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเวียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by SangtaBan Natasat
Sound Level meter Serial No. 998162

Time	Leq (dx(A))	Lma7 (dx(A))	L90 (dx(A))
02:00 PM - 03:00 PM	52.5	w8.0	41.2
03:00 PM - 04:00 PM	63.3	81.3	59.5
04:00 PM - 05:00 PM	4w5	65.1	42.w
05:00 PM - 06:00 PM	50.9	69.9	45.2
06:00 PM - 0w:00 PM	48.9	w0.4	43.9
0w:00 PM - 08:00 PM	50.9	69.2	46.8
08:00 PM - 09:00 PM	48.5	65.0	45.6
09:00 PM - 10:00 PM	4w3	65.6	45.2
10:00 PM - 11:00 PM	46.8	63.0	44.8
11:00 PM - 12:00 AM	4w0	w0.3	42.9
12:00 AM - 01:00 AM	45.1	60.5	43.4
01:00 AM - 02:00 AM	44.4	60.6	42.5
02:00 AM - 03:00 AM	41.9	55.5	40.3
03:00 AM - 04:00 AM	41.8	63.6	40.3
04:00 AM - 05:00 AM	41.6	50.9	40.1
05:00 AM - 06:00 AM	42.4	63.3	40.0
06:00 AM - 0w:00 AM	46.3	63.9	38.8
0w:00 AM - 08:00 AM	4w8	68.2	40.0
08:00 AM - 09:00 AM	48.5	w8.5	40.1
09:00 AM - 10:00 AM	4w0	65.2	38.2
10:00 AM - 11:00 AM	44.6	65.9	36.9
11:00 AM - 12:00 PM	4w3	w1.5	36.w
12:00 PM - 01:00 PM	46.1	w2.3	35.3
01:00 PM - 02:00 PM	4w3	61.5	41.2

Leq Average 24 hrs. (dx(A)) 51.6
Lma7 (dx(A)) 81.3
L90 (dx(A)) 41.2
Ldn (dx(A)) 53.8
Standard (dx(A)) w0 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145
Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report NumPer: 251454-bl

(age 1 of 1

Sample Number 22122145bl4
Parameter Noise d.e) 24 hrs.ข
Location ม ด ำดตทศวำกัฒะของโคร โำวำโคโไฟหำยดงโำวเก็โ 1 ดง(9 48(01-4661, 1653152ข
Measurement Date Nov 2wb Nov 28, 2022
Measurement by 9angtaBan Natasat
Sound Level meter 9erial No. --8162

Time	Le) ดขqAขข	Lma7 ดขqAขข	L-0 ดขqAขข
02:00 (M b 03:00 (M	45.-	6- .3	3w4
03:00 (M b 04:00 (M	45.w	64.5	38.4
04:00 (M b 05:00 (M	48.0	6w8	38.8
05:00 (M b 06:00 (M	46.w	66.3	3- .6
06:00 (M b 0w:00 (M	4w2	64.6	43.-
0w:00 (M b 08:00 (M	4w1	64.1	43.8
08:00 (M b 0- :00 (M	4ww	6w0	44.0
0- :00 (M b 10:00 (M	45.5	63.5	42.4
10:00 (M b 11:00 (M	45.1	65.8	41.8
11:00 (M b 12:00 AM	46.3	6w6	42.0
12:00 AM b 01:00 AM	42.1	55.4	40.4
01:00 AM b 02:00 AM	43.2	65.2	40.3
02:00 AM b 03:00 AM	41.1	52.4	3- .4
03:00 AM b 04:00 AM	40.2	52.3	38.5
04:00 AM b 05:00 AM	40.w	62.1	38.3
05:00 AM b 06:00 AM	42.5	61.-	3- .w
06:00 AM b 0w:00 AM	48.3	w0.0	42.0
0w:00 AM b 08:00 AM	4- .4	6w-	43.5
08:00 AM b 0- :00 AM	4w0	68.w	3- .3
0- :00 AM b 10:00 AM	43.6	62.2	36.5
10:00 AM b 11:00 AM	4w3	6- .2	3w0
11:00 AM b 12:00 (M	46.4	w1.2	34.w
12:00 (M b 01:00 (M	48.4	w2.4	35.w
01:00 (M b 02:00 (M	46.3	6w4	35.4

Le) Average 24 hrs. ดขqAขข 46.1
Lma7 ดขqAขข w2.4
L-0 ดขqAขข 3- .4
Ldn ดขqAขข 51.1

9tandard ดขqAขข w0

115

Reference Method : I901--6bl and 1--6b2

9tandard : 1. ปรำวำดรควำโำวำโำลัฒกั สัณณำแยโ ำะคณบับที่ 15 ดพ.ด. 2540ขเ่งโำยำด นำะโำรำดโำว ำะเสโโด สทักพป
2. ปรำวำดอโำทโำโกโงขสำยอโำเน เ่งโำยำด รำโำว ำะเสโโำวโำโหมกค แลวโำว ำะเสโโำให้เำศจำออำโำโำงนอขอำโำ
คโำโำด พ.ด. 2548

Technical Management

Saranya C.

9aranya Chalermthamrong
9cientist ดขข

Approved by

Supt S

9upot 9alamteh
9ection Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514550-1

Page 1 of 1

Sample Number 22122145-15
Parameter Noise (Leq 24 hrs.)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 21 - Nov 22, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.2	89.6	56.7
03:00 PM - 04:00 PM	61.3	80.5	58.3
04:00 PM - 05:00 PM	63.9	90.3	59.3
05:00 PM - 06:00 PM	62.2	93.5	58.4
06:00 PM - 07:00 PM	62.7	80.7	58.0
07:00 PM - 08:00 PM	61.1	87.2	58.0
08:00 PM - 09:00 PM	59.9	90.5	57.1
09:00 PM - 10:00 PM	58.6	75.2	57.1
10:00 PM - 11:00 PM	59.2	78.7	57.6
11:00 PM - 12:00 AM	59.3	78.7	58.1
12:00 AM - 01:00 AM	58.6	68.8	57.8
01:00 AM - 02:00 AM	59.3	79.5	57.9
02:00 AM - 03:00 AM	59.0	75.6	58.0
03:00 AM - 04:00 AM	59.7	77.2	58.1
04:00 AM - 05:00 AM	59.0	76.1	57.2
05:00 AM - 06:00 AM	59.2	76.9	55.3
06:00 AM - 07:00 AM	63.1	83.7	58.5
07:00 AM - 08:00 AM	64.8	82.9	61.2
08:00 AM - 09:00 AM	62.7	85.2	58.0
09:00 AM - 10:00 AM	62.9	90.2	57.8
10:00 AM - 11:00 AM	61.4	82.9	57.5
11:00 AM - 12:00 PM	60.6	75.9	57.7
12:00 PM - 01:00 PM	61.9	85.7	56.9
01:00 PM - 02:00 PM	61.2	82.4	57.3

Leq Average 24 hrs. (dB(A)) 61.3
Lmax (dB(A)) 93.5
L90 (dB(A)) 57.8
Ldn (dB(A)) 66.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

Report Number: 2514551-1

Page 1 of 1

Sample Number 22122145-16
Parameter Noise (Leq 24 hrs.)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 22 - Nov 23, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	60.4	78.5	57.4
03:00 PM - 04:00 PM	62.0	80.1	58.6
04:00 PM - 05:00 PM	63.0	80.8	59.7
05:00 PM - 06:00 PM	62.0	83.8	58.7
06:00 PM - 07:00 PM	62.4	81.6	57.3
07:00 PM - 08:00 PM	61.8	81.5	57.6
08:00 PM - 09:00 PM	59.0	75.7	57.1
09:00 PM - 10:00 PM	58.8	79.5	56.8
10:00 PM - 11:00 PM	58.0	84.5	56.2
11:00 PM - 12:00 AM	58.6	82.6	56.6
12:00 AM - 01:00 AM	60.2	86.2	56.6
01:00 AM - 02:00 AM	59.6	92.8	55.9
02:00 AM - 03:00 AM	58.5	81.0	56.5
03:00 AM - 04:00 AM	60.5	86.8	57.8
04:00 AM - 05:00 AM	56.7	76.6	53.2
05:00 AM - 06:00 AM	58.7	73.4	55.7
06:00 AM - 07:00 AM	62.7	82.3	58.6
07:00 AM - 08:00 AM	64.5	80.9	60.9
08:00 AM - 09:00 AM	61.4	79.4	57.5
09:00 AM - 10:00 AM	61.4	78.7	57.4
10:00 AM - 11:00 AM	62.0	80.9	57.9
11:00 AM - 12:00 PM	60.8	75.2	57.4
12:00 PM - 01:00 PM	60.8	78.5	57.4
01:00 PM - 02:00 PM	61.0	80.6	57.8

Leq Average 24 hrs. (dB(A)) 61.0
Lmax (dB(A)) 92.8
L90 (dB(A)) 57.4
Ldn (dB(A)) 66.4
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Lot ID: 22122145
Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514552-1

Page 1 of 1

Sample Number	22122145-1(
Parameter	Noise dLe) 24 hrs.ข
Location	ม ไตเโขหขอสักขุ, นสุมใฏู ถานที่ 6 อขมลกใหญ่ วเยีSขขqGP9 48P 01w63w2, 1651555ข
Measurement Date	Nov 23 - Nov 24, 2022
Measurement by	9angtaBan Natasat
Sound Level meter	9erial No. 88543w

Time	Le) qdxqAขข	Lma7 qdxqAขข	Lw0 qdxqAขข
02:00 PM - 03:00 PM	60.w	(4.5	5(.6
03:00 PM - 04:00 PM	62.3	83.6	58.8
04:00 PM - 05:00 PM	64.6	83.6	60.0
05:00 PM - 06:00 PM	62.5	80.1	58.4
06:00 PM - 0(:00 PM	63.4	(ww	60.5
0(:00 PM - 08:00 PM	62.(	8(.8	5ww
08:00 PM - 0w:00 PM	60.(	(( .5	5w.2
0w:00 PM - 10:00 PM	60.0	(8.0	58.5
10:00 PM - 11:00 PM	64.5	8w.6	58.3
11:00 PM - 12:00 AM	60.4	86.w	58.0
12:00 AM - 01:00 AM	62.3	w0.1	58.4
01:00 AM - 02:00 AM	61.4	w(.5	58.3
02:00 AM - 03:00 AM	61.3	86.0	5w.0
03:00 AM - 04:00 AM	62.(	( 1.6	61.3
04:00 AM - 05:00 AM	60.8	88.6	56.5
05:00 AM - 06:00 AM	65.(	86.4	62.1
06:00 AM - 0(:00 AM	6( .(	w8.4	65.5
0(:00 AM - 08:00 AM	66.3	w1.0	62.8
08:00 AM - 0w:00 AM	63.(	80.6	58.8
0w:00 AM - 10:00 AM	62.8	(4.4	58.0
10:00 AM - 11:00 AM	62.3	80.0	5(.8
11:00 AM - 12:00 PM	62.(	(w.0	58.4
12:00 PM - 01:00 PM	62.3	(4.0	5(.(
01:00 PM - 02:00 PM	61.8	80.4	5(.w
Le) Average 24 hrs. qdxqAขข	63.2		
Lma7 qdxqAขข		w(.5	
Lw0 qdxqAขข			58.4
Ldn qdxqAขข	(0.0		
9tandard qdxqAขข	(0	115	
Reference Method : I9O1ww6-1 and 1ww6-2			
9tandard : 1. ฝุ วรารศคณวรุ, นรฎ สัะแยดลัหนแกะ; วธิ จังวที่ 15 qพ.ศ. 2540ขรูหะรขกใตนาฏ รูา วดังเสีSะโดSที่ยไป			
2. ฝุ วรารศรุ วฏ ยะหขส่ากรุ, นรูหะรขกใตคั วดังเสีSะรฎ, งรยใ แลว วดังเสีSที่เรีตจารรฎ ฝุ วรหรงีจรฎ			
รูะชาใ พ.ศ. 2548			

Technical Management

Savanya C.

9aranya Chalermthamrong
9cientist 41

Approved by

Snapt S.

9upot 9alamteh
9ection Head

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11410-51/ EMAIL

S:\Reports\ Air Noise.rpt (5:05PM)



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514553-1

Page 1 of 1

Sample Number 22122145-18
Parameter Noise (Leq 24 hrs.)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 24 - Nov 25, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	61.7	76.6	57.6
03:00 PM - 04:00 PM	63.6	79.6	59.4
04:00 PM - 05:00 PM	63.7	80.4	59.8
05:00 PM - 06:00 PM	62.1	74.4	59.0
06:00 PM - 07:00 PM	63.3	81.6	58.3
07:00 PM - 08:00 PM	63.6	82.9	59.4
08:00 PM - 09:00 PM	62.7	84.7	58.4
09:00 PM - 10:00 PM	61.1	84.4	58.4
10:00 PM - 11:00 PM	59.7	78.4	58.1
11:00 PM - 12:00 AM	62.4	94.9	58.6
12:00 AM - 01:00 AM	59.8	70.4	58.6
01:00 AM - 02:00 AM	61.2	88.3	58.8
02:00 AM - 03:00 AM	63.7	93.9	59.1
03:00 AM - 04:00 AM	61.9	87.4	59.0
04:00 AM - 05:00 AM	60.3	80.1	56.0
05:00 AM - 06:00 AM	59.5	80.7	53.7
06:00 AM - 07:00 AM	63.7	88.1	59.4
07:00 AM - 08:00 AM	64.4	82.4	61.0
08:00 AM - 09:00 AM	61.1	84.8	57.0
09:00 AM - 10:00 AM	59.4	76.3	56.3
10:00 AM - 11:00 AM	58.8	78.1	55.9
11:00 AM - 12:00 PM	59.3	77.9	55.5
12:00 PM - 01:00 PM	58.5	75.9	55.8
01:00 PM - 02:00 PM	60.0	84.3	55.8

Leq Average 24 hrs. (dB(A)) 61.8
Lmax (dB(A)) 94.9
L90 (dB(A)) 58.4
Ldn (dB(A)) 68.1
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Lot ID: 22122145
Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514554-1

Page 1 of 1

Sample Number	22122145-1(
Parameter	Noise dLe) 24 hrs.ข
Location	ม ใต้เขอหสากฐ, นสุมใฏ่ ถานที่ 6 อหมลกใหญ่ วเยีSขดGP9 48P 01(63(2, 1651555ข
Measurement Date	Nov 25 - Nov 26, 2022
Measurement by	9angtawan Natasat
Sound Level meter	9erial No. 88543(

Time	Le) ดdBqAขข	Lmax ดdBqAขข	L(0 ดdBqAขข
02:00 PM - 03:00 PM	5(.4	80.8	55.(
03:00 PM - 04:00 PM	60.(	7(.5	57.3
04:00 PM - 05:00 PM	62.(	81.3	5(.0
05:00 PM - 06:00 PM	62.7	88.(	5(.3
06:00 PM - 07:00 PM	62.(	84.7	57.6
07:00 PM - 08:00 PM	63.4	87.2	5(.2
08:00 PM - 0(:00 PM	62.7	86.7	58.6
0(:00 PM - 10:00 PM	60.8	84.2	58.3
10:00 PM - 11:00 PM	5(.7	74.2	58.4
11:00 PM - 12:00 AM	5(.7	77.6	58.2
12:00 AM - 01:00 AM	60.0	87.8	58.5
01:00 AM - 02:00 AM	5(.5	74.8	58.5
02:00 AM - 03:00 AM	62.(	88.4	58.2
03:00 AM - 04:00 AM	60.(	(0.(	58.(
04:00 AM - 05:00 AM	57.0	81.8	54.1
05:00 AM - 06:00 AM	58.0	74.(	54.5
06:00 AM - 07:00 AM	61.8	76.6	57.7
07:00 AM - 08:00 AM	64.5	84.6	60.6
08:00 AM - 0(:00 AM	62.1	83.2	58.2
0(:00 AM - 10:00 AM	62.0	85.4	58.1
10:00 AM - 11:00 AM	61.3	84.2	57.8
11:00 AM - 12:00 PM	60.8	75.7	57.5
12:00 PM - 01:00 PM	61.2	8(.5	57.3
01:00 PM - 02:00 PM	57.0	6(.7	55.7
Le) Average 24 hrs. ดdBqAขข	61.4		
Lmax ดdBqAขข		(0.(
L(0 ดdBqAขข			58.2
Ldn ดdBqAขข	67.0		
9tandard ดdBqAขข	70	115	
Reference Method : I9O1((6-1 and 1((6-2			
9tandard : 1. ฟู วราศคณวร, นรฎ สยะนยดลันนแกะ วธึ จงวังที่ 15 ดพ.ศ. 2540ขหะรหขไคนาถุ ฐาใ วดังเสีSะโดSที่ัยไป			
2. ฟู วราศร วหุ ยะหมสากฐ, นหะรหขไคค่ว วดังเสีSะรฎ, งรยใ แลว วดังเสีSะที่เรีคจารรฎ ฟู วรหกรจรฎ			
ใะระใ พ.ศ. 2548			

Technical Management

Saranya C.

9aranya Chalermthamrong
9cientist ๑4๓

Approved by

Snapt S.

9upot 9alamteh
9ection Head

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11410-51/ EMAIL

S:\Reports\ Air Noise.rpt (5:05PM)



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022
Date Reported : Dec 08, 2022
Report Number: 2514555-1

Page 1 of 1

Sample Number 22122145-20
Parameter Noise (Leq 24 hrs.)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by SangtaBan Natasat
Sound Level meter Serial No. 885439

Time	Leq (dx(A))	Lma7 (dx(A))	L90 (dx(A))
02:00 PM - 03:00 PM	55.9	80.4	51.4
03:00 PM - 04:00 PM	58.w	w5.2	54.2
04:00 PM - 05:00 PM	63.1	83.2	59.4
05:00 PM - 06:00 PM	61.3	81.8	5w.1
06:00 PM - 0w:00 PM	60.9	84.0	56.9
0w:00 PM - 08:00 PM	60.1	82.8	56.4
08:00 PM - 09:00 PM	59.3	w0.0	56.2
09:00 PM - 10:00 PM	60.1	83.5	55.8
10:00 PM - 11:00 PM	5w.6	88.1	56.0
11:00 PM - 12:00 AM	53.3	w0.0	4w.3
12:00 AM - 01:00 AM	56.5	w8.8	52.8
01:00 AM - 02:00 AM	60.w	w5.6	5w.0
02:00 AM - 03:00 AM	60.w	81.8	56.6
03:00 AM - 04:00 AM	59.4	82.6	55.5
04:00 AM - 05:00 AM	58.9	81.6	55.1
05:00 AM - 06:00 AM	58.3	81.4	55.0
06:00 AM - 0w:00 AM	59.0	w6.3	54.6
0w:00 AM - 08:00 AM	56.w	86.w	54.w
08:00 AM - 09:00 AM	52.8	ww.6	49.9
09:00 AM - 10:00 AM	53.8	w0.w	50.3
10:00 AM - 11:00 AM	5w.6	w2.4	53.1
11:00 AM - 12:00 PM	5w.3	81.w	51.3
12:00 PM - 01:00 PM	56.2	80.3	50.1
01:00 PM - 02:00 PM	5w.5	80.8	50.9

Leq Average 24 hrs. (dx(A)) 58.8
Lma7 (dx(A)) 88.1
L90 (dx(A)) 54.w
Ldn (dx(A)) 65.2
Standard (dx(A)) w0 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122145

Date Received : Nov 30, 2022

Date Reported : Dec 08, 2022

Report Number: 2514556-1

Page 1 of 1

Sample Number 22122145-21
Parameter Noise (Leq 24 hrs.)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 2w- Nov 28, 2022
Measurement by SangtaBan Natasat
Sound Level meter Serial No. 885439

Time	Leq (dx(A))	Lma7 (dx(A))	L90 (dx(A))
02:00 PM - 03:00 PM	56.3	v6.5	50.3
03:00 PM - 04:00 PM	5w2	v9.6	51.1
04:00 PM - 05:00 PM	58.9	84.5	54.0
05:00 PM - 06:00 PM	60.9	83.3	5w4
06:00 PM - 0w:00 PM	59.8	84.1	52.9
0w:00 PM - 08:00 PM	5w0	80.w	51.6
08:00 PM - 09:00 PM	62.4	85.2	54.4
09:00 PM - 10:00 PM	61.6	vw1	56.w
10:00 PM - 11:00 PM	60.w	v5.9	56.8
11:00 PM - 12:00 AM	58.0	80.0	56.8
12:00 AM - 01:00 AM	5w9	v2.5	56.3
01:00 AM - 02:00 AM	53.3	vw4	48.3
02:00 AM - 03:00 AM	51.9	81.0	44.2
03:00 AM - 04:00 AM	49.5	v6.2	44.8
04:00 AM - 05:00 AM	51.8	vw1	4w9
05:00 AM - 06:00 AM	5w9	v9.0	54.0
06:00 AM - 0w:00 AM	62.2	83.5	5w1
0w:00 AM - 08:00 AM	62.3	83.3	56.w
08:00 AM - 09:00 AM	61.5	v6.8	56.5
09:00 AM - 10:00 AM	59.2	v9.0	52.6
10:00 AM - 11:00 AM	59.2	v8.4	56.5
11:00 AM - 12:00 PM	59.4	v4.6	56.4
12:00 PM - 01:00 PM	5w9	v6.1	55.0
01:00 PM - 02:00 PM	56.5	v8.w	53.3

Leq Average 24 hrs. (dx(A)) 59.1
Lma7 (dx(A)) 85.2
L90 (dx(A)) 54.0
Ldn (dx(A)) 64.5
Standard (dx(A)) w0 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509418-1

Page 1 of 3

Sample Number 22122147-1
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 21 - Nov 22, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	60.0	58.4	05:40 PM - 05:45 PM	62.3	61.8	08:20 PM - 08:25 PM	60.5	59.4
03:05 PM - 03:10 PM	64.2	58.9	05:45 PM - 05:50 PM	62.1	61.6	08:25 PM - 08:30 PM	59.8	59.2
03:10 PM - 03:15 PM	60.1	59.2	05:50 PM - 05:55 PM	61.7	61.2	08:30 PM - 08:35 PM	59.7	59.0
03:15 PM - 03:20 PM	60.1	59.1	05:55 PM - 06:00 PM	61.2	60.5	08:35 PM - 08:40 PM	59.3	58.7
03:20 PM - 03:25 PM	60.2	59.2	06:00 PM - 06:05 PM	60.7	60.2	08:40 PM - 08:45 PM	59.1	58.5
03:25 PM - 03:30 PM	60.0	59.1	06:05 PM - 06:10 PM	60.7	60.0	08:45 PM - 08:50 PM	59.4	58.8
03:30 PM - 03:35 PM	58.6	57.6	06:10 PM - 06:15 PM	60.6	59.8	08:50 PM - 08:55 PM	59.9	59.2
03:35 PM - 03:40 PM	58.3	57.2	06:15 PM - 06:20 PM	60.5	59.8	08:55 PM - 09:00 PM	59.8	59.1
03:40 PM - 03:45 PM	58.7	57.6	06:20 PM - 06:25 PM	61.2	60.6	09:00 PM - 09:05 PM	59.9	59.2
03:45 PM - 03:50 PM	59.5	58.4	06:25 PM - 06:30 PM	61.2	60.6	09:05 PM - 09:10 PM	60.4	59.7
03:50 PM - 03:55 PM	59.5	58.4	06:30 PM - 06:35 PM	61.2	60.5	09:10 PM - 09:15 PM	60.9	60.2
03:55 PM - 04:00 PM	59.5	58.4	06:35 PM - 06:40 PM	62.1	61.2	09:15 PM - 09:20 PM	61.1	60.4
04:00 PM - 04:05 PM	59.4	58.1	06:40 PM - 06:45 PM	63.0	62.0	09:20 PM - 09:25 PM	61.0	60.3
04:05 PM - 04:10 PM	58.3	57.4	06:45 PM - 06:50 PM	62.8	61.8	09:25 PM - 09:30 PM	61.2	60.5
04:10 PM - 04:15 PM	58.0	57.4	06:50 PM - 06:55 PM	61.8	61.1	09:30 PM - 09:35 PM	61.1	60.4
04:15 PM - 04:20 PM	58.2	57.6	06:55 PM - 07:00 PM	61.8	61.0	09:35 PM - 09:40 PM	60.8	60.2
04:20 PM - 04:25 PM	58.6	58.0	07:00 PM - 07:05 PM	61.8	61.2	09:40 PM - 09:45 PM	61.0	60.4
04:25 PM - 04:30 PM	58.2	57.6	07:05 PM - 07:10 PM	61.3	60.5	09:45 PM - 09:50 PM	60.9	60.1
04:30 PM - 04:35 PM	58.7	57.4	07:10 PM - 07:15 PM	60.4	59.6	09:50 PM - 09:55 PM	60.9	60.2
04:35 PM - 04:40 PM	59.7	58.9	07:15 PM - 07:20 PM	60.1	59.4	09:55 PM - 10:00 PM	61.1	60.4
04:40 PM - 04:45 PM	59.5	58.6	07:20 PM - 07:25 PM	59.9	59.3	10:00 PM - 10:05 PM	60.9	60.0
04:45 PM - 04:50 PM	59.7	58.8	07:25 PM - 07:30 PM	60.4	59.5	10:05 PM - 10:10 PM	60.9	60.3
04:50 PM - 04:55 PM	59.2	58.3	07:30 PM - 07:35 PM	60.0	59.4	10:10 PM - 10:15 PM	60.8	60.0
04:55 PM - 05:00 PM	59.8	58.9	07:35 PM - 07:40 PM	60.5	59.7	10:15 PM - 10:20 PM	60.8	60.0
05:00 PM - 05:05 PM	59.6	58.8	07:40 PM - 07:45 PM	60.9	60.1	10:20 PM - 10:25 PM	60.3	59.7
05:05 PM - 05:10 PM	59.5	58.6	07:45 PM - 07:50 PM	61.4	60.1	10:25 PM - 10:30 PM	60.3	59.6
05:10 PM - 05:15 PM	59.6	58.8	07:50 PM - 07:55 PM	60.6	59.6	10:30 PM - 10:35 PM	60.3	59.4
05:15 PM - 05:20 PM	60.2	59.3	07:55 PM - 08:00 PM	60.3	59.4	10:35 PM - 10:40 PM	60.5	59.6
05:20 PM - 05:25 PM	61.1	60.3	08:00 PM - 08:05 PM	59.9	59.2	10:40 PM - 10:45 PM	60.6	59.8
05:25 PM - 05:30 PM	61.2	60.6	08:05 PM - 08:10 PM	59.8	59.2	10:45 PM - 10:50 PM	59.9	59.0
05:30 PM - 05:35 PM	61.8	61.2	08:10 PM - 08:15 PM	59.9	59.3	10:50 PM - 10:55 PM	59.8	59.0
05:35 PM - 05:40 PM	62.3	61.6	08:15 PM - 08:20 PM	60.1	59.3	10:55 PM - 11:00 PM	60.7	59.4

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509418-1

Page 2 of 3

Sample Number : 22122147-1
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 21 - Nov 22, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 21 - Nov 22, 2022	Leq	L90	Nov 22, 2022	Leq	L90	Nov 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	59.1	58.7	01:40 AM - 01:45 AM	58.5	58.1	04:20 AM - 04:25 AM	58.4	57.7
11:05 PM - 11:10 PM	58.8	58.5	01:45 AM - 01:50 AM	58.5	58.0	04:25 AM - 04:30 AM	58.7	58.2
11:10 PM - 11:15 PM	59.5	58.4	01:50 AM - 01:55 AM	58.5	58.1	04:30 AM - 04:35 AM	59.0	58.4
11:15 PM - 11:20 PM	58.6	58.2	01:55 AM - 02:00 AM	58.8	58.3	04:35 AM - 04:40 AM	60.1	59.3
11:20 PM - 11:25 PM	58.7	58.2	02:00 AM - 02:05 AM	58.9	58.4	04:40 AM - 04:45 AM	61.5	59.9
11:25 PM - 11:30 PM	58.9	58.4	02:05 AM - 02:10 AM	58.9	58.5	04:45 AM - 04:50 AM	60.3	59.6
11:30 PM - 11:35 PM	59.1	58.6	02:10 AM - 02:15 AM	58.7	58.3	04:50 AM - 04:55 AM	60.0	59.4
11:35 PM - 11:40 PM	59.1	58.2	02:15 AM - 02:20 AM	59.0	58.5	04:55 AM - 05:00 AM	60.0	59.4
11:40 PM - 11:45 PM	58.4	58.0	02:20 AM - 02:25 AM	59.2	58.6	05:00 AM - 05:05 AM	60.4	59.8
11:45 PM - 11:50 PM	58.6	57.9	02:25 AM - 02:30 AM	59.2	58.7	05:05 AM - 05:10 AM	60.6	60.0
11:50 PM - 11:55 PM	58.5	58.1	02:30 AM - 02:35 AM	59.6	59.1	05:10 AM - 05:15 AM	60.6	60.0
11:55 PM - 12:00 AM	59.4	58.7	02:35 AM - 02:40 AM	59.6	59.0	05:15 AM - 05:20 AM	60.6	59.8
12:00 AM - 12:05 AM	59.2	58.1	02:40 AM - 02:45 AM	59.8	59.2	05:20 AM - 05:25 AM	60.8	60.1
12:05 AM - 12:10 AM	59.0	58.4	02:45 AM - 02:50 AM	59.5	59.0	05:25 AM - 05:30 AM	60.9	60.1
12:10 AM - 12:15 AM	59.6	59.1	02:50 AM - 02:55 AM	59.4	59.0	05:30 AM - 05:35 AM	61.0	60.4
12:15 AM - 12:20 AM	59.6	59.2	02:55 AM - 03:00 AM	59.5	58.9	05:35 AM - 05:40 AM	60.8	60.1
12:20 AM - 12:25 AM	59.7	59.0	03:00 AM - 03:05 AM	59.6	59.1	05:40 AM - 05:45 AM	60.5	59.8
12:25 AM - 12:30 AM	59.8	59.2	03:05 AM - 03:10 AM	59.7	59.1	05:45 AM - 05:50 AM	60.8	59.9
12:30 AM - 12:35 AM	59.7	59.2	03:10 AM - 03:15 AM	59.7	59.1	05:50 AM - 05:55 AM	60.7	59.9
12:35 AM - 12:40 AM	59.2	58.7	03:15 AM - 03:20 AM	59.9	59.3	05:55 AM - 06:00 AM	60.9	60.2
12:40 AM - 12:45 AM	58.8	58.3	03:20 AM - 03:25 AM	59.7	59.2	06:00 AM - 06:05 AM	61.5	60.4
12:45 AM - 12:50 AM	58.8	58.3	03:25 AM - 03:30 AM	59.6	58.9	06:05 AM - 06:10 AM	60.9	59.8
12:50 AM - 12:55 AM	58.4	57.9	03:30 AM - 03:35 AM	59.5	58.8	06:10 AM - 06:15 AM	60.2	59.5
12:55 AM - 01:00 AM	58.7	58.2	03:35 AM - 03:40 AM	60.1	58.7	06:15 AM - 06:20 AM	59.9	59.4
01:00 AM - 01:05 AM	58.7	58.2	03:40 AM - 03:45 AM	60.3	58.6	06:20 AM - 06:25 AM	59.8	59.2
01:05 AM - 01:10 AM	59.5	58.4	03:45 AM - 03:50 AM	60.1	58.9	06:25 AM - 06:30 AM	59.4	58.8
01:10 AM - 01:15 AM	59.4	58.7	03:50 AM - 03:55 AM	60.1	58.8	06:30 AM - 06:35 AM	59.0	58.3
01:15 AM - 01:20 AM	59.2	58.4	03:55 AM - 04:00 AM	59.8	58.5	06:35 AM - 06:40 AM	59.0	58.3
01:20 AM - 01:25 AM	58.8	58.2	04:00 AM - 04:05 AM	59.1	58.2	06:40 AM - 06:45 AM	59.2	58.6
01:25 AM - 01:30 AM	59.2	58.4	04:05 AM - 04:10 AM	60.1	58.3	06:45 AM - 06:50 AM	59.7	58.8
01:30 AM - 01:35 AM	58.3	57.7	04:10 AM - 04:15 AM	58.7	58.1	06:50 AM - 06:55 AM	59.2	58.5
01:35 AM - 01:40 AM	58.2	57.7	04:15 AM - 04:20 AM	58.7	58.1	06:55 AM - 07:00 AM	59.7	58.7

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509418-1

Page 3 of 3

Sample Number : 22122147-1
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม 1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 21 - Nov 22, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	59.3	58.5	09:40 AM - 09:45 AM	58.1	57.4	12:20 PM - 12:25 PM	58.7	57.9
07:05 AM - 07:10 AM	59.3	58.0	09:45 AM - 09:50 AM	58.8	58.0	12:25 PM - 12:30 PM	59.0	57.7
07:10 AM - 07:15 AM	59.5	57.9	09:50 AM - 09:55 AM	58.7	58.0	12:30 PM - 12:35 PM	59.3	58.0
07:15 AM - 07:20 AM	59.5	58.5	09:55 AM - 10:00 AM	58.4	57.5	12:35 PM - 12:40 PM	58.1	57.2
07:20 AM - 07:25 AM	59.2	58.5	10:00 AM - 10:05 AM	58.6	57.5	12:40 PM - 12:45 PM	59.3	58.1
07:25 AM - 07:30 AM	59.4	58.6	10:05 AM - 10:10 AM	58.6	57.7	12:45 PM - 12:50 PM	60.5	59.5
07:30 AM - 07:35 AM	59.5	58.8	10:10 AM - 10:15 AM	58.9	57.7	12:50 PM - 12:55 PM	61.0	60.1
07:35 AM - 07:40 AM	59.7	59.0	10:15 AM - 10:20 AM	58.9	57.7	12:55 PM - 01:00 PM	61.3	60.2
07:40 AM - 07:45 AM	59.7	58.9	10:20 AM - 10:25 AM	58.8	58.0	01:00 PM - 01:05 PM	61.6	60.4
07:45 AM - 07:50 AM	59.8	58.9	10:25 AM - 10:30 AM	59.1	57.6	01:05 PM - 01:10 PM	60.3	59.1
07:50 AM - 07:55 AM	59.7	58.9	10:30 AM - 10:35 AM	58.4	57.3	01:10 PM - 01:15 PM	60.1	59.1
07:55 AM - 08:00 AM	59.4	58.3	10:35 AM - 10:40 AM	59.2	58.3	01:15 PM - 01:20 PM	59.9	58.3
08:00 AM - 08:05 AM	59.1	58.4	10:40 AM - 10:45 AM	59.5	58.3	01:20 PM - 01:25 PM	60.5	59.3
08:05 AM - 08:10 AM	59.2	58.4	10:45 AM - 10:50 AM	59.2	58.2	01:25 PM - 01:30 PM	60.7	59.5
08:10 AM - 08:15 AM	59.3	58.6	10:50 AM - 10:55 AM	59.5	58.5	01:30 PM - 01:35 PM	60.1	59.1
08:15 AM - 08:20 AM	59.7	58.8	10:55 AM - 11:00 AM	59.0	57.8	01:35 PM - 01:40 PM	59.9	59.1
08:20 AM - 08:25 AM	58.8	58.1	11:00 AM - 11:05 AM	59.1	58.2	01:40 PM - 01:45 PM	59.4	58.3
08:25 AM - 08:30 AM	59.3	58.6	11:05 AM - 11:10 AM	59.2	58.3	01:45 PM - 01:50 PM	59.5	58.4
08:30 AM - 08:35 AM	59.1	58.2	11:10 AM - 11:15 AM	59.0	58.0	01:50 PM - 01:55 PM	60.5	59.5
08:35 AM - 08:40 AM	59.9	58.9	11:15 AM - 11:20 AM	60.3	58.1	01:55 PM - 02:00 PM	60.2	59.1
08:40 AM - 08:45 AM	59.5	58.5	11:20 AM - 11:25 AM	58.4	57.2	02:00 PM - 02:05 PM	60.0	58.7
08:45 AM - 08:50 AM	59.7	58.6	11:25 AM - 11:30 AM	58.8	57.7	02:05 PM - 02:10 PM	59.4	58.2
08:50 AM - 08:55 AM	59.1	58.2	11:30 AM - 11:35 AM	59.1	58.0	02:10 PM - 02:15 PM	59.3	58.2
08:55 AM - 09:00 AM	59.4	58.6	11:35 AM - 11:40 AM	59.3	58.1	02:15 PM - 02:20 PM	60.1	58.6
09:00 AM - 09:05 AM	59.4	58.5	11:40 AM - 11:45 AM	59.0	58.1	02:20 PM - 02:25 PM	60.1	59.0
09:05 AM - 09:10 AM	58.8	58.1	11:45 AM - 11:50 AM	59.0	58.2	02:25 PM - 02:30 PM	60.0	58.8
09:10 AM - 09:15 AM	59.6	58.7	11:50 AM - 11:55 AM	58.7	57.5	02:30 PM - 02:35 PM	60.4	59.4
09:15 AM - 09:20 AM	59.6	57.9	11:55 AM - 12:00 PM	59.1	58.0	02:35 PM - 02:40 PM	60.5	59.5
09:20 AM - 09:25 AM	58.7	57.8	12:00 PM - 12:05 PM	59.2	57.9	02:40 PM - 02:45 PM	59.5	58.5
09:25 AM - 09:30 AM	58.3	57.6	12:05 PM - 12:10 PM	59.6	58.6	02:45 PM - 02:50 PM	59.9	58.7
09:30 AM - 09:35 AM	58.4	57.5	12:10 PM - 12:15 PM	59.2	58.3	02:50 PM - 02:55 PM	60.2	58.9
09:35 AM - 09:40 AM	58.2	57.3	12:15 PM - 12:20 PM	59.4	58.2	02:55 PM - 03:00 PM	58.9	57.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509419-1

Page 1 of 3

Sample Number 22122147-2
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 22 - Nov 23, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	59.2	57.6	05:40 PM - 05:45 PM	60.6	59.8	08:20 PM - 08:25 PM	57.3	56.9
03:05 PM - 03:10 PM	59.5	58.6	05:45 PM - 05:50 PM	60.1	59.3	08:25 PM - 08:30 PM	57.3	56.9
03:10 PM - 03:15 PM	59.0	57.6	05:50 PM - 05:55 PM	60.3	59.6	08:30 PM - 08:35 PM	57.5	56.9
03:15 PM - 03:20 PM	57.8	56.5	05:55 PM - 06:00 PM	60.2	59.4	08:35 PM - 08:40 PM	58.7	57.2
03:20 PM - 03:25 PM	58.4	57.3	06:00 PM - 06:05 PM	59.8	59.2	08:40 PM - 08:45 PM	57.5	57.1
03:25 PM - 03:30 PM	58.9	57.3	06:05 PM - 06:10 PM	59.1	58.2	08:45 PM - 08:50 PM	57.5	57.0
03:30 PM - 03:35 PM	60.0	58.9	06:10 PM - 06:15 PM	59.3	58.6	08:50 PM - 08:55 PM	57.5	56.9
03:35 PM - 03:40 PM	60.2	59.2	06:15 PM - 06:20 PM	60.6	58.8	08:55 PM - 09:00 PM	57.2	56.8
03:40 PM - 03:45 PM	59.9	58.9	06:20 PM - 06:25 PM	59.1	58.5	09:00 PM - 09:05 PM	57.8	57.3
03:45 PM - 03:50 PM	60.2	59.0	06:25 PM - 06:30 PM	58.6	57.9	09:05 PM - 09:10 PM	57.7	57.2
03:50 PM - 03:55 PM	59.8	58.7	06:30 PM - 06:35 PM	59.6	57.7	09:10 PM - 09:15 PM	58.3	57.6
03:55 PM - 04:00 PM	60.2	59.0	06:35 PM - 06:40 PM	58.6	57.7	09:15 PM - 09:20 PM	58.0	57.4
04:00 PM - 04:05 PM	59.6	58.3	06:40 PM - 06:45 PM	58.1	57.5	09:20 PM - 09:25 PM	58.1	57.4
04:05 PM - 04:10 PM	59.4	58.2	06:45 PM - 06:50 PM	57.9	57.4	09:25 PM - 09:30 PM	57.9	57.4
04:10 PM - 04:15 PM	58.8	57.4	06:50 PM - 06:55 PM	58.0	57.4	09:30 PM - 09:35 PM	57.9	57.2
04:15 PM - 04:20 PM	60.0	58.7	06:55 PM - 07:00 PM	58.1	57.5	09:35 PM - 09:40 PM	58.7	57.2
04:20 PM - 04:25 PM	59.5	58.3	07:00 PM - 07:05 PM	58.1	57.5	09:40 PM - 09:45 PM	57.5	56.9
04:25 PM - 04:30 PM	59.7	58.6	07:05 PM - 07:10 PM	58.1	57.3	09:45 PM - 09:50 PM	57.7	57.1
04:30 PM - 04:35 PM	59.2	58.3	07:10 PM - 07:15 PM	58.3	57.4	09:50 PM - 09:55 PM	57.8	57.2
04:35 PM - 04:40 PM	59.6	58.4	07:15 PM - 07:20 PM	57.9	57.5	09:55 PM - 10:00 PM	57.7	57.2
04:40 PM - 04:45 PM	58.8	58.0	07:20 PM - 07:25 PM	58.0	57.5	10:00 PM - 10:05 PM	57.8	57.4
04:45 PM - 04:50 PM	58.3	57.4	07:25 PM - 07:30 PM	57.8	57.3	10:05 PM - 10:10 PM	58.0	57.4
04:50 PM - 04:55 PM	57.4	56.6	07:30 PM - 07:35 PM	58.0	57.3	10:10 PM - 10:15 PM	58.3	57.7
04:55 PM - 05:00 PM	57.9	57.1	07:35 PM - 07:40 PM	58.4	57.3	10:15 PM - 10:20 PM	58.0	57.4
05:00 PM - 05:05 PM	58.2	57.4	07:40 PM - 07:45 PM	57.5	57.0	10:20 PM - 10:25 PM	58.2	57.4
05:05 PM - 05:10 PM	58.7	57.8	07:45 PM - 07:50 PM	58.7	57.3	10:25 PM - 10:30 PM	58.5	57.8
05:10 PM - 05:15 PM	59.1	58.0	07:50 PM - 07:55 PM	57.9	57.5	10:30 PM - 10:35 PM	58.2	57.5
05:15 PM - 05:20 PM	59.6	58.9	07:55 PM - 08:00 PM	58.0	57.5	10:35 PM - 10:40 PM	59.8	57.9
05:20 PM - 05:25 PM	60.2	59.6	08:00 PM - 08:05 PM	57.9	57.3	10:40 PM - 10:45 PM	59.0	58.3
05:25 PM - 05:30 PM	60.4	59.6	08:05 PM - 08:10 PM	57.9	57.2	10:45 PM - 10:50 PM	59.5	58.4
05:30 PM - 05:35 PM	60.5	59.9	08:10 PM - 08:15 PM	57.5	57.0	10:50 PM - 10:55 PM	59.4	58.8
05:35 PM - 05:40 PM	60.3	59.3	08:15 PM - 08:20 PM	57.4	56.9	10:55 PM - 11:00 PM	59.1	58.5

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509419-1

Page 2 of 3

Sample Number : 22122147-2
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 22 - Nov 23, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 22 - Nov 23, 2022	Leq	L90	Nov 23, 2022	Leq	L90	Nov 23, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	57.9	57.3	01:40 AM - 01:45 AM	58.0	57.4	04:20 AM - 04:25 AM	58.9	58.3
11:05 PM - 11:10 PM	57.8	57.4	01:45 AM - 01:50 AM	57.8	57.4	04:25 AM - 04:30 AM	58.9	58.4
11:10 PM - 11:15 PM	57.8	57.3	01:50 AM - 01:55 AM	57.9	57.4	04:30 AM - 04:35 AM	59.2	58.7
11:15 PM - 11:20 PM	57.5	57.1	01:55 AM - 02:00 AM	57.8	57.4	04:35 AM - 04:40 AM	59.1	58.5
11:20 PM - 11:25 PM	57.5	56.9	02:00 AM - 02:05 AM	58.0	57.5	04:40 AM - 04:45 AM	59.3	58.8
11:25 PM - 11:30 PM	57.6	57.0	02:05 AM - 02:10 AM	57.9	57.4	04:45 AM - 04:50 AM	59.8	59.2
11:30 PM - 11:35 PM	57.4	56.8	02:10 AM - 02:15 AM	58.0	57.5	04:50 AM - 04:55 AM	60.1	59.5
11:35 PM - 11:40 PM	58.3	56.9	02:15 AM - 02:20 AM	58.0	57.6	04:55 AM - 05:00 AM	60.6	60.1
11:40 PM - 11:45 PM	57.5	57.0	02:20 AM - 02:25 AM	58.3	57.9	05:00 AM - 05:05 AM	60.7	60.0
11:45 PM - 11:50 PM	57.3	56.8	02:25 AM - 02:30 AM	58.3	57.9	05:05 AM - 05:10 AM	60.6	60.0
11:50 PM - 11:55 PM	60.4	56.7	02:30 AM - 02:35 AM	58.4	57.9	05:10 AM - 05:15 AM	61.0	60.4
11:55 PM - 12:00 AM	62.0	56.5	02:35 AM - 02:40 AM	58.1	57.6	05:15 AM - 05:20 AM	60.7	60.2
12:00 AM - 12:05 AM	56.8	56.4	02:40 AM - 02:45 AM	58.0	57.5	05:20 AM - 05:25 AM	60.7	60.2
12:05 AM - 12:10 AM	57.1	56.7	02:45 AM - 02:50 AM	57.9	57.4	05:25 AM - 05:30 AM	60.9	60.4
12:10 AM - 12:15 AM	57.3	56.8	02:50 AM - 02:55 AM	57.9	57.5	05:30 AM - 05:35 AM	60.9	60.4
12:15 AM - 12:20 AM	57.5	57.0	02:55 AM - 03:00 AM	58.0	57.5	05:35 AM - 05:40 AM	60.8	60.2
12:20 AM - 12:25 AM	57.4	57.0	03:00 AM - 03:05 AM	58.2	57.7	05:40 AM - 05:45 AM	60.6	60.1
12:25 AM - 12:30 AM	57.3	56.8	03:05 AM - 03:10 AM	58.3	57.7	05:45 AM - 05:50 AM	60.4	59.7
12:30 AM - 12:35 AM	57.1	56.6	03:10 AM - 03:15 AM	58.1	57.6	05:50 AM - 05:55 AM	60.4	59.8
12:35 AM - 12:40 AM	57.4	56.6	03:15 AM - 03:20 AM	57.9	57.4	05:55 AM - 06:00 AM	60.5	59.8
12:40 AM - 12:45 AM	57.4	56.6	03:20 AM - 03:25 AM	58.0	57.5	06:00 AM - 06:05 AM	60.6	59.7
12:45 AM - 12:50 AM	57.5	56.8	03:25 AM - 03:30 AM	58.1	57.5	06:05 AM - 06:10 AM	60.5	59.5
12:50 AM - 12:55 AM	57.4	56.8	03:30 AM - 03:35 AM	58.1	57.5	06:10 AM - 06:15 AM	59.8	59.2
12:55 AM - 01:00 AM	57.3	56.8	03:35 AM - 03:40 AM	58.1	57.6	06:15 AM - 06:20 AM	59.5	58.8
01:00 AM - 01:05 AM	57.2	56.8	03:40 AM - 03:45 AM	58.1	57.6	06:20 AM - 06:25 AM	60.0	58.7
01:05 AM - 01:10 AM	57.9	57.1	03:45 AM - 03:50 AM	58.1	57.7	06:25 AM - 06:30 AM	59.4	58.8
01:10 AM - 01:15 AM	57.9	57.4	03:50 AM - 03:55 AM	58.4	57.9	06:30 AM - 06:35 AM	59.0	58.4
01:15 AM - 01:20 AM	58.1	57.4	03:55 AM - 04:00 AM	58.2	57.7	06:35 AM - 06:40 AM	59.2	58.6
01:20 AM - 01:25 AM	58.5	57.4	04:00 AM - 04:05 AM	58.6	57.9	06:40 AM - 06:45 AM	59.3	58.7
01:25 AM - 01:30 AM	58.0	57.4	04:05 AM - 04:10 AM	58.6	58.1	06:45 AM - 06:50 AM	59.4	58.7
01:30 AM - 01:35 AM	58.5	57.4	04:10 AM - 04:15 AM	58.6	58.2	06:50 AM - 06:55 AM	59.4	58.8
01:35 AM - 01:40 AM	58.2	57.7	04:15 AM - 04:20 AM	58.9	58.4	06:55 AM - 07:00 AM	59.4	58.7

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509419-1

Page 3 of 3

Sample Number : 22122147-2
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม 1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 22 - Nov 23, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	59.5	58.6	09:40 AM - 09:45 AM	59.8	58.7	12:20 PM - 12:25 PM	60.0	58.4
07:05 AM - 07:10 AM	61.5	58.6	09:45 AM - 09:50 AM	59.6	58.6	12:25 PM - 12:30 PM	59.6	58.2
07:10 AM - 07:15 AM	59.3	58.7	09:50 AM - 09:55 AM	60.4	59.4	12:30 PM - 12:35 PM	60.2	58.8
07:15 AM - 07:20 AM	59.5	58.5	09:55 AM - 10:00 AM	59.4	58.5	12:35 PM - 12:40 PM	58.5	57.6
07:20 AM - 07:25 AM	59.4	58.5	10:00 AM - 10:05 AM	59.0	58.0	12:40 PM - 12:45 PM	58.4	57.1
07:25 AM - 07:30 AM	62.5	58.8	10:05 AM - 10:10 AM	59.5	58.6	12:45 PM - 12:50 PM	58.7	57.9
07:30 AM - 07:35 AM	59.1	58.3	10:10 AM - 10:15 AM	58.9	57.8	12:50 PM - 12:55 PM	58.4	57.3
07:35 AM - 07:40 AM	58.5	57.9	10:15 AM - 10:20 AM	59.5	58.2	12:55 PM - 01:00 PM	57.6	56.7
07:40 AM - 07:45 AM	58.3	57.7	10:20 AM - 10:25 AM	59.6	58.4	01:00 PM - 01:05 PM	57.5	56.2
07:45 AM - 07:50 AM	58.8	58.1	10:25 AM - 10:30 AM	59.0	58.0	01:05 PM - 01:10 PM	58.2	57.0
07:50 AM - 07:55 AM	59.2	58.3	10:30 AM - 10:35 AM	58.4	57.1	01:10 PM - 01:15 PM	58.1	56.8
07:55 AM - 08:00 AM	59.2	58.4	10:35 AM - 10:40 AM	59.4	58.4	01:15 PM - 01:20 PM	58.7	57.2
08:00 AM - 08:05 AM	59.4	58.5	10:40 AM - 10:45 AM	58.6	57.4	01:20 PM - 01:25 PM	59.6	58.5
08:05 AM - 08:10 AM	58.9	57.8	10:45 AM - 10:50 AM	59.3	58.1	01:25 PM - 01:30 PM	59.4	58.2
08:10 AM - 08:15 AM	59.0	57.7	10:50 AM - 10:55 AM	59.3	58.5	01:30 PM - 01:35 PM	59.4	58.5
08:15 AM - 08:20 AM	58.3	57.5	10:55 AM - 11:00 AM	59.5	58.4	01:35 PM - 01:40 PM	59.1	57.9
08:20 AM - 08:25 AM	59.0	58.0	11:00 AM - 11:05 AM	59.4	58.5	01:40 PM - 01:45 PM	59.4	58.4
08:25 AM - 08:30 AM	58.5	57.6	11:05 AM - 11:10 AM	58.7	57.7	01:45 PM - 01:50 PM	58.3	57.4
08:30 AM - 08:35 AM	58.6	57.6	11:10 AM - 11:15 AM	58.5	57.7	01:50 PM - 01:55 PM	58.1	57.2
08:35 AM - 08:40 AM	58.8	57.4	11:15 AM - 11:20 AM	58.8	57.9	01:55 PM - 02:00 PM	57.9	57.1
08:40 AM - 08:45 AM	58.8	57.8	11:20 AM - 11:25 AM	58.2	56.9	02:00 PM - 02:05 PM	58.2	57.2
08:45 AM - 08:50 AM	59.4	58.2	11:25 AM - 11:30 AM	59.2	58.2	02:05 PM - 02:10 PM	59.1	58.2
08:50 AM - 08:55 AM	59.2	58.3	11:30 AM - 11:35 AM	58.9	58.0	02:10 PM - 02:15 PM	59.1	58.2
08:55 AM - 09:00 AM	58.9	58.0	11:35 AM - 11:40 AM	58.8	57.7	02:15 PM - 02:20 PM	59.1	58.2
09:00 AM - 09:05 AM	59.5	58.2	11:40 AM - 11:45 AM	59.1	57.9	02:20 PM - 02:25 PM	58.6	57.9
09:05 AM - 09:10 AM	59.5	58.5	11:45 AM - 11:50 AM	60.1	58.8	02:25 PM - 02:30 PM	59.1	58.1
09:10 AM - 09:15 AM	59.2	58.3	11:50 AM - 11:55 AM	60.1	59.2	02:30 PM - 02:35 PM	59.4	58.6
09:15 AM - 09:20 AM	59.4	58.5	11:55 AM - 12:00 PM	59.3	58.1	02:35 PM - 02:40 PM	59.2	58.3
09:20 AM - 09:25 AM	60.3	59.6	12:00 PM - 12:05 PM	59.7	58.7	02:40 PM - 02:45 PM	59.5	58.4
09:25 AM - 09:30 AM	60.6	59.8	12:05 PM - 12:10 PM	59.3	58.1	02:45 PM - 02:50 PM	59.7	58.7
09:30 AM - 09:35 AM	63.1	59.8	12:10 PM - 12:15 PM	59.0	58.3	02:50 PM - 02:55 PM	59.1	58.0
09:35 AM - 09:40 AM	60.3	59.4	12:15 PM - 12:20 PM	59.2	58.2	02:55 PM - 03:00 PM	59.0	57.5

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509420-1

Page 1 of 3

Sample Number 22122147-3
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ตำบลทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 23 - Nov 24, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	59.2	58.1	05:40 PM - 05:45 PM	61.8	61.1	08:20 PM - 08:25 PM	60.3	59.6
03:05 PM - 03:10 PM	60.8	59.6	05:45 PM - 05:50 PM	61.1	60.3	08:25 PM - 08:30 PM	59.9	59.2
03:10 PM - 03:15 PM	61.1	60.1	05:50 PM - 05:55 PM	60.4	59.7	08:30 PM - 08:35 PM	59.5	58.6
03:15 PM - 03:20 PM	61.1	59.9	05:55 PM - 06:00 PM	60.0	59.4	08:35 PM - 08:40 PM	60.3	59.6
03:20 PM - 03:25 PM	61.1	60.2	06:00 PM - 06:05 PM	59.7	59.0	08:40 PM - 08:45 PM	60.8	60.1
03:25 PM - 03:30 PM	61.0	60.0	06:05 PM - 06:10 PM	59.5	58.9	08:45 PM - 08:50 PM	61.2	60.5
03:30 PM - 03:35 PM	61.0	59.9	06:10 PM - 06:15 PM	59.2	58.6	08:50 PM - 08:55 PM	61.0	60.1
03:35 PM - 03:40 PM	61.0	60.0	06:15 PM - 06:20 PM	59.1	58.6	08:55 PM - 09:00 PM	60.7	60.2
03:40 PM - 03:45 PM	60.5	59.6	06:20 PM - 06:25 PM	59.0	58.4	09:00 PM - 09:05 PM	60.6	59.8
03:45 PM - 03:50 PM	59.9	59.0	06:25 PM - 06:30 PM	58.9	58.4	09:05 PM - 09:10 PM	60.3	59.5
03:50 PM - 03:55 PM	59.5	58.4	06:30 PM - 06:35 PM	59.4	58.8	09:10 PM - 09:15 PM	60.0	59.3
03:55 PM - 04:00 PM	59.6	58.7	06:35 PM - 06:40 PM	60.7	59.7	09:15 PM - 09:20 PM	60.2	59.5
04:00 PM - 04:05 PM	60.4	59.3	06:40 PM - 06:45 PM	60.1	59.4	09:20 PM - 09:25 PM	60.2	59.5
04:05 PM - 04:10 PM	61.3	60.2	06:45 PM - 06:50 PM	60.4	59.4	09:25 PM - 09:30 PM	61.0	60.2
04:10 PM - 04:15 PM	60.9	59.9	06:50 PM - 06:55 PM	60.3	59.6	09:30 PM - 09:35 PM	61.2	60.5
04:15 PM - 04:20 PM	60.8	59.9	06:55 PM - 07:00 PM	59.7	58.9	09:35 PM - 09:40 PM	60.8	60.0
04:20 PM - 04:25 PM	60.7	59.9	07:00 PM - 07:05 PM	60.1	59.2	09:40 PM - 09:45 PM	60.7	59.9
04:25 PM - 04:30 PM	60.7	59.5	07:05 PM - 07:10 PM	60.2	59.3	09:45 PM - 09:50 PM	60.4	59.1
04:30 PM - 04:35 PM	60.7	59.8	07:10 PM - 07:15 PM	60.2	59.4	09:50 PM - 09:55 PM	61.5	58.8
04:35 PM - 04:40 PM	61.1	60.1	07:15 PM - 07:20 PM	59.8	59.1	09:55 PM - 10:00 PM	58.9	57.8
04:40 PM - 04:45 PM	60.6	59.6	07:20 PM - 07:25 PM	59.9	59.2	10:00 PM - 10:05 PM	59.8	57.6
04:45 PM - 04:50 PM	60.3	59.3	07:25 PM - 07:30 PM	59.6	59.0	10:05 PM - 10:10 PM	58.1	57.3
04:50 PM - 04:55 PM	60.2	59.2	07:30 PM - 07:35 PM	59.9	59.2	10:10 PM - 10:15 PM	59.8	58.3
04:55 PM - 05:00 PM	60.0	59.3	07:35 PM - 07:40 PM	59.5	58.9	10:15 PM - 10:20 PM	61.0	59.7
05:00 PM - 05:05 PM	60.4	59.4	07:40 PM - 07:45 PM	59.6	59.1	10:20 PM - 10:25 PM	60.5	59.7
05:05 PM - 05:10 PM	60.6	59.9	07:45 PM - 07:50 PM	60.5	59.5	10:25 PM - 10:30 PM	60.9	59.9
05:10 PM - 05:15 PM	61.4	60.6	07:50 PM - 07:55 PM	60.2	59.7	10:30 PM - 10:35 PM	61.0	59.8
05:15 PM - 05:20 PM	62.5	61.3	07:55 PM - 08:00 PM	60.5	59.8	10:35 PM - 10:40 PM	60.7	59.8
05:20 PM - 05:25 PM	62.4	61.5	08:00 PM - 08:05 PM	60.5	59.8	10:40 PM - 10:45 PM	60.9	59.9
05:25 PM - 05:30 PM	63.4	62.2	08:05 PM - 08:10 PM	60.6	59.8	10:45 PM - 10:50 PM	61.3	60.2
05:30 PM - 05:35 PM	62.5	61.8	08:10 PM - 08:15 PM	60.5	60.0	10:50 PM - 10:55 PM	61.6	60.8
05:35 PM - 05:40 PM	62.1	61.4	08:15 PM - 08:20 PM	60.2	59.4	10:55 PM - 11:00 PM	61.7	60.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509420-1

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Sample Number : 22122147-3
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 23 - Nov 24, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 23 - Nov 24, 2022	Leq	L90	Nov 24, 2022	Leq	L90	Nov 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	61.6	60.6	01:40 AM - 01:45 AM	61.5	60.5	04:20 AM - 04:25 AM	61.3	60.3
11:05 PM - 11:10 PM	61.4	60.5	01:45 AM - 01:50 AM	61.4	60.4	04:25 AM - 04:30 AM	61.4	60.6
11:10 PM - 11:15 PM	61.5	60.7	01:50 AM - 01:55 AM	61.4	60.4	04:30 AM - 04:35 AM	61.3	60.5
11:15 PM - 11:20 PM	61.5	60.6	01:55 AM - 02:00 AM	61.4	60.3	04:35 AM - 04:40 AM	61.5	60.7
11:20 PM - 11:25 PM	61.5	60.7	02:00 AM - 02:05 AM	61.3	60.3	04:40 AM - 04:45 AM	61.1	60.0
11:25 PM - 11:30 PM	61.4	60.6	02:05 AM - 02:10 AM	61.7	60.8	04:45 AM - 04:50 AM	61.4	60.6
11:30 PM - 11:35 PM	61.6	60.9	02:10 AM - 02:15 AM	61.4	60.5	04:50 AM - 04:55 AM	61.3	60.5
11:35 PM - 11:40 PM	61.5	60.6	02:15 AM - 02:20 AM	61.4	60.5	04:55 AM - 05:00 AM	60.5	59.8
11:40 PM - 11:45 PM	61.3	60.5	02:20 AM - 02:25 AM	61.5	60.5	05:00 AM - 05:05 AM	61.1	60.2
11:45 PM - 11:50 PM	61.4	60.6	02:25 AM - 02:30 AM	61.4	60.5	05:05 AM - 05:10 AM	60.4	59.8
11:50 PM - 11:55 PM	61.2	60.3	02:30 AM - 02:35 AM	61.3	60.3	05:10 AM - 05:15 AM	60.7	59.8
11:55 PM - 12:00 AM	61.3	60.5	02:35 AM - 02:40 AM	61.0	60.1	05:15 AM - 05:20 AM	61.3	60.6
12:00 AM - 12:05 AM	61.2	60.4	02:40 AM - 02:45 AM	60.8	59.9	05:20 AM - 05:25 AM	61.6	60.7
12:05 AM - 12:10 AM	61.2	60.3	02:45 AM - 02:50 AM	60.7	59.8	05:25 AM - 05:30 AM	62.0	61.0
12:10 AM - 12:15 AM	61.2	60.2	02:50 AM - 02:55 AM	60.8	59.8	05:30 AM - 05:35 AM	61.7	60.9
12:15 AM - 12:20 AM	61.1	60.3	02:55 AM - 03:00 AM	60.4	59.4	05:35 AM - 05:40 AM	61.3	60.7
12:20 AM - 12:25 AM	61.4	60.6	03:00 AM - 03:05 AM	60.7	59.7	05:40 AM - 05:45 AM	60.8	60.1
12:25 AM - 12:30 AM	61.5	60.6	03:05 AM - 03:10 AM	60.3	59.5	05:45 AM - 05:50 AM	60.9	60.1
12:30 AM - 12:35 AM	61.5	60.7	03:10 AM - 03:15 AM	60.9	60.1	05:50 AM - 05:55 AM	62.1	60.4
12:35 AM - 12:40 AM	61.3	60.5	03:15 AM - 03:20 AM	60.8	60.1	05:55 AM - 06:00 AM	61.8	60.3
12:40 AM - 12:45 AM	61.3	60.4	03:20 AM - 03:25 AM	61.1	59.9	06:00 AM - 06:05 AM	62.2	60.6
12:45 AM - 12:50 AM	61.3	60.5	03:25 AM - 03:30 AM	59.8	59.1	06:05 AM - 06:10 AM	62.4	60.3
12:50 AM - 12:55 AM	61.4	60.5	03:30 AM - 03:35 AM	59.8	59.1	06:10 AM - 06:15 AM	60.7	59.6
12:55 AM - 01:00 AM	61.4	60.4	03:35 AM - 03:40 AM	60.1	59.2	06:15 AM - 06:20 AM	61.8	60.7
01:00 AM - 01:05 AM	61.4	60.5	03:40 AM - 03:45 AM	60.4	59.5	06:20 AM - 06:25 AM	61.4	60.5
01:05 AM - 01:10 AM	61.5	60.5	03:45 AM - 03:50 AM	61.1	60.1	06:25 AM - 06:30 AM	61.4	60.2
01:10 AM - 01:15 AM	61.5	60.6	03:50 AM - 03:55 AM	60.9	60.1	06:30 AM - 06:35 AM	61.6	60.2
01:15 AM - 01:20 AM	61.3	60.3	03:55 AM - 04:00 AM	61.4	60.6	06:35 AM - 06:40 AM	61.4	60.2
01:20 AM - 01:25 AM	61.2	60.3	04:00 AM - 04:05 AM	61.3	60.4	06:40 AM - 06:45 AM	62.2	60.8
01:25 AM - 01:30 AM	61.6	60.5	04:05 AM - 04:10 AM	61.1	60.2	06:45 AM - 06:50 AM	61.8	60.7
01:30 AM - 01:35 AM	61.4	60.6	04:10 AM - 04:15 AM	60.4	59.7	06:50 AM - 06:55 AM	60.9	59.9
01:35 AM - 01:40 AM	61.5	60.5	04:15 AM - 04:20 AM	61.0	60.1	06:55 AM - 07:00 AM	59.9	58.6

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509420-1

Page 3 of 3

Sample Number : 22122147-3
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม 1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 23 - Nov 24, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	59.6	58.2	09:40 AM - 09:45 AM	59.0	58.1	12:20 PM - 12:25 PM	56.8	55.9
07:05 AM - 07:10 AM	59.2	58.4	09:45 AM - 09:50 AM	58.8	57.7	12:25 PM - 12:30 PM	57.3	56.0
07:10 AM - 07:15 AM	60.6	59.4	09:50 AM - 09:55 AM	58.3	57.3	12:30 PM - 12:35 PM	57.2	56.5
07:15 AM - 07:20 AM	59.4	58.3	09:55 AM - 10:00 AM	58.3	57.4	12:35 PM - 12:40 PM	56.8	56.1
07:20 AM - 07:25 AM	59.5	58.4	10:00 AM - 10:05 AM	57.9	57.2	12:40 PM - 12:45 PM	57.1	56.2
07:25 AM - 07:30 AM	59.4	58.7	10:05 AM - 10:10 AM	57.9	56.8	12:45 PM - 12:50 PM	56.9	55.9
07:30 AM - 07:35 AM	59.2	58.5	10:10 AM - 10:15 AM	57.8	56.6	12:50 PM - 12:55 PM	56.7	55.9
07:35 AM - 07:40 AM	59.4	58.5	10:15 AM - 10:20 AM	57.7	56.6	12:55 PM - 01:00 PM	57.1	56.4
07:40 AM - 07:45 AM	59.4	58.6	10:20 AM - 10:25 AM	57.6	57.0	01:00 PM - 01:05 PM	56.9	55.8
07:45 AM - 07:50 AM	59.3	58.3	10:25 AM - 10:30 AM	57.7	56.8	01:05 PM - 01:10 PM	56.1	55.2
07:50 AM - 07:55 AM	58.8	58.2	10:30 AM - 10:35 AM	57.9	57.1	01:10 PM - 01:15 PM	57.3	56.5
07:55 AM - 08:00 AM	58.9	58.0	10:35 AM - 10:40 AM	57.7	56.8	01:15 PM - 01:20 PM	57.1	56.2
08:00 AM - 08:05 AM	58.8	58.2	10:40 AM - 10:45 AM	57.1	56.3	01:20 PM - 01:25 PM	56.8	56.0
08:05 AM - 08:10 AM	58.8	58.0	10:45 AM - 10:50 AM	57.8	56.8	01:25 PM - 01:30 PM	56.7	55.8
08:10 AM - 08:15 AM	58.9	58.1	10:50 AM - 10:55 AM	57.6	56.5	01:30 PM - 01:35 PM	56.8	55.9
08:15 AM - 08:20 AM	58.8	58.0	10:55 AM - 11:00 AM	57.1	56.3	01:35 PM - 01:40 PM	56.4	55.3
08:20 AM - 08:25 AM	58.9	58.4	11:00 AM - 11:05 AM	57.8	57.0	01:40 PM - 01:45 PM	56.6	55.8
08:25 AM - 08:30 AM	59.2	58.4	11:05 AM - 11:10 AM	57.8	56.6	01:45 PM - 01:50 PM	56.7	55.8
08:30 AM - 08:35 AM	58.9	58.1	11:10 AM - 11:15 AM	57.0	56.2	01:50 PM - 01:55 PM	56.5	55.4
08:35 AM - 08:40 AM	59.3	58.0	11:15 AM - 11:20 AM	57.3	56.5	01:55 PM - 02:00 PM	56.5	55.7
08:40 AM - 08:45 AM	58.7	58.0	11:20 AM - 11:25 AM	56.9	56.1	02:00 PM - 02:05 PM	57.0	56.2
08:45 AM - 08:50 AM	58.9	58.2	11:25 AM - 11:30 AM	57.3	56.4	02:05 PM - 02:10 PM	57.0	56.2
08:50 AM - 08:55 AM	58.6	58.0	11:30 AM - 11:35 AM	57.0	56.3	02:10 PM - 02:15 PM	56.8	56.1
08:55 AM - 09:00 AM	58.6	57.9	11:35 AM - 11:40 AM	57.2	56.4	02:15 PM - 02:20 PM	56.7	56.0
09:00 AM - 09:05 AM	58.7	58.0	11:40 AM - 11:45 AM	57.5	56.5	02:20 PM - 02:25 PM	56.7	55.7
09:05 AM - 09:10 AM	59.6	57.9	11:45 AM - 11:50 AM	57.1	56.5	02:25 PM - 02:30 PM	57.5	56.2
09:10 AM - 09:15 AM	58.9	58.3	11:50 AM - 11:55 AM	57.3	56.4	02:30 PM - 02:35 PM	57.9	56.9
09:15 AM - 09:20 AM	58.8	58.2	11:55 AM - 12:00 PM	57.6	56.7	02:35 PM - 02:40 PM	58.2	57.2
09:20 AM - 09:25 AM	58.4	57.8	12:00 PM - 12:05 PM	58.0	57.1	02:40 PM - 02:45 PM	58.1	57.0
09:25 AM - 09:30 AM	58.3	57.7	12:05 PM - 12:10 PM	57.9	57.2	02:45 PM - 02:50 PM	57.1	56.0
09:30 AM - 09:35 AM	58.4	57.7	12:10 PM - 12:15 PM	59.8	56.7	02:50 PM - 02:55 PM	57.7	56.8
09:35 AM - 09:40 AM	58.3	57.6	12:15 PM - 12:20 PM	58.5	56.2	02:55 PM - 03:00 PM	57.6	56.7

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509421-1

Page 1 of 3

Sample Number 22122147-4
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ตำบลทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 24 - Nov 25, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	57.6	56.8	05:40 PM - 05:45 PM	61.7	61.2	08:20 PM - 08:25 PM	60.6	59.6
03:05 PM - 03:10 PM	58.0	57.0	05:45 PM - 05:50 PM	61.4	60.8	08:25 PM - 08:30 PM	61.5	59.3
03:10 PM - 03:15 PM	57.5	56.5	05:50 PM - 05:55 PM	60.6	60.2	08:30 PM - 08:35 PM	60.0	59.3
03:15 PM - 03:20 PM	57.6	56.8	05:55 PM - 06:00 PM	60.2	59.7	08:35 PM - 08:40 PM	60.0	59.4
03:20 PM - 03:25 PM	57.5	56.7	06:00 PM - 06:05 PM	59.4	59.0	08:40 PM - 08:45 PM	59.3	58.7
03:25 PM - 03:30 PM	58.0	57.2	06:05 PM - 06:10 PM	59.4	58.9	08:45 PM - 08:50 PM	59.3	58.6
03:30 PM - 03:35 PM	57.9	57.2	06:10 PM - 06:15 PM	59.2	58.6	08:50 PM - 08:55 PM	59.0	58.3
03:35 PM - 03:40 PM	57.9	57.2	06:15 PM - 06:20 PM	58.9	58.4	08:55 PM - 09:00 PM	59.1	58.5
03:40 PM - 03:45 PM	58.1	57.2	06:20 PM - 06:25 PM	59.0	58.4	09:00 PM - 09:05 PM	59.1	58.5
03:45 PM - 03:50 PM	57.6	56.7	06:25 PM - 06:30 PM	58.8	58.3	09:05 PM - 09:10 PM	58.9	58.3
03:50 PM - 03:55 PM	57.3	56.3	06:30 PM - 06:35 PM	59.0	58.3	09:10 PM - 09:15 PM	58.8	58.2
03:55 PM - 04:00 PM	58.1	57.2	06:35 PM - 06:40 PM	59.1	58.6	09:15 PM - 09:20 PM	58.4	57.8
04:00 PM - 04:05 PM	58.4	57.3	06:40 PM - 06:45 PM	59.0	58.5	09:20 PM - 09:25 PM	58.5	57.9
04:05 PM - 04:10 PM	58.2	57.1	06:45 PM - 06:50 PM	59.0	58.4	09:25 PM - 09:30 PM	58.1	57.6
04:10 PM - 04:15 PM	57.9	57.2	06:50 PM - 06:55 PM	58.9	58.4	09:30 PM - 09:35 PM	58.2	57.7
04:15 PM - 04:20 PM	57.6	57.0	06:55 PM - 07:00 PM	58.7	58.2	09:35 PM - 09:40 PM	58.3	57.7
04:20 PM - 04:25 PM	57.8	57.1	07:00 PM - 07:05 PM	58.7	58.1	09:40 PM - 09:45 PM	58.5	58.0
04:25 PM - 04:30 PM	57.7	57.0	07:05 PM - 07:10 PM	58.9	58.4	09:45 PM - 09:50 PM	58.8	58.3
04:30 PM - 04:35 PM	58.0	57.3	07:10 PM - 07:15 PM	59.2	58.6	09:50 PM - 09:55 PM	58.9	58.3
04:35 PM - 04:40 PM	58.0	57.4	07:15 PM - 07:20 PM	60.1	59.0	09:55 PM - 10:00 PM	59.2	58.4
04:40 PM - 04:45 PM	58.2	57.6	07:20 PM - 07:25 PM	59.6	58.8	10:00 PM - 10:05 PM	58.6	58.0
04:45 PM - 04:50 PM	57.6	57.0	07:25 PM - 07:30 PM	59.5	59.0	10:05 PM - 10:10 PM	59.0	58.3
04:50 PM - 04:55 PM	58.4	57.6	07:30 PM - 07:35 PM	59.8	59.2	10:10 PM - 10:15 PM	58.5	57.9
04:55 PM - 05:00 PM	58.7	57.8	07:35 PM - 07:40 PM	60.1	59.5	10:15 PM - 10:20 PM	58.4	57.7
05:00 PM - 05:05 PM	58.7	57.5	07:40 PM - 07:45 PM	61.0	59.5	10:20 PM - 10:25 PM	59.5	58.0
05:05 PM - 05:10 PM	59.3	57.6	07:45 PM - 07:50 PM	60.0	59.3	10:25 PM - 10:30 PM	58.7	58.0
05:10 PM - 05:15 PM	59.3	58.2	07:50 PM - 07:55 PM	60.2	59.5	10:30 PM - 10:35 PM	58.5	57.9
05:15 PM - 05:20 PM	59.4	58.7	07:55 PM - 08:00 PM	60.1	59.5	10:35 PM - 10:40 PM	58.5	57.9
05:20 PM - 05:25 PM	59.7	59.1	08:00 PM - 08:05 PM	60.1	59.4	10:40 PM - 10:45 PM	58.6	58.0
05:25 PM - 05:30 PM	60.3	59.6	08:05 PM - 08:10 PM	60.9	60.0	10:45 PM - 10:50 PM	59.8	57.9
05:30 PM - 05:35 PM	60.7	60.2	08:10 PM - 08:15 PM	61.0	60.1	10:50 PM - 10:55 PM	58.3	57.7
05:35 PM - 05:40 PM	61.1	60.5	08:15 PM - 08:20 PM	61.0	60.1	10:55 PM - 11:00 PM	58.4	57.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509421-1

Page 2 of 3

Sample Number : 22122147-4
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 24 - Nov 25, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 24 - Nov 25, 2022	Leq	L90	Nov 25, 2022	Leq	L90	Nov 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	58.3	57.9	01:40 AM - 01:45 AM	58.5	58.0	04:20 AM - 04:25 AM	59.2	58.4
11:05 PM - 11:10 PM	58.3	57.8	01:45 AM - 01:50 AM	58.8	58.2	04:25 AM - 04:30 AM	58.7	58.3
11:10 PM - 11:15 PM	58.4	58.0	01:50 AM - 01:55 AM	58.9	58.2	04:30 AM - 04:35 AM	59.3	58.5
11:15 PM - 11:20 PM	58.4	57.9	01:55 AM - 02:00 AM	59.1	58.5	04:35 AM - 04:40 AM	59.2	58.6
11:20 PM - 11:25 PM	58.2	57.7	02:00 AM - 02:05 AM	59.0	58.4	04:40 AM - 04:45 AM	59.0	58.4
11:25 PM - 11:30 PM	58.3	57.8	02:05 AM - 02:10 AM	59.4	58.9	04:45 AM - 04:50 AM	58.9	58.3
11:30 PM - 11:35 PM	58.2	57.6	02:10 AM - 02:15 AM	59.6	58.9	04:50 AM - 04:55 AM	58.9	58.4
11:35 PM - 11:40 PM	58.3	57.6	02:15 AM - 02:20 AM	59.5	58.7	04:55 AM - 05:00 AM	59.0	58.5
11:40 PM - 11:45 PM	59.2	58.3	02:20 AM - 02:25 AM	60.3	58.8	05:00 AM - 05:05 AM	59.1	58.5
11:45 PM - 11:50 PM	58.9	58.3	02:25 AM - 02:30 AM	59.4	58.7	05:05 AM - 05:10 AM	58.8	58.2
11:50 PM - 11:55 PM	59.4	58.8	02:30 AM - 02:35 AM	60.1	59.1	05:10 AM - 05:15 AM	58.9	58.4
11:55 PM - 12:00 AM	59.2	58.2	02:35 AM - 02:40 AM	59.7	59.0	05:15 AM - 05:20 AM	59.0	58.5
12:00 AM - 12:05 AM	58.7	57.9	02:40 AM - 02:45 AM	59.8	59.2	05:20 AM - 05:25 AM	59.1	58.6
12:05 AM - 12:10 AM	58.1	57.4	02:45 AM - 02:50 AM	59.8	59.2	05:25 AM - 05:30 AM	59.2	58.8
12:10 AM - 12:15 AM	58.2	57.4	02:50 AM - 02:55 AM	59.8	59.2	05:30 AM - 05:35 AM	59.6	59.1
12:15 AM - 12:20 AM	58.3	57.4	02:55 AM - 03:00 AM	60.1	59.6	05:35 AM - 05:40 AM	59.6	59.1
12:20 AM - 12:25 AM	59.2	57.9	03:00 AM - 03:05 AM	59.9	59.2	05:40 AM - 05:45 AM	59.6	59.1
12:25 AM - 12:30 AM	59.2	57.7	03:05 AM - 03:10 AM	59.6	59.0	05:45 AM - 05:50 AM	59.3	58.7
12:30 AM - 12:35 AM	59.0	57.5	03:10 AM - 03:15 AM	59.3	58.7	05:50 AM - 05:55 AM	59.2	58.6
12:35 AM - 12:40 AM	58.2	57.7	03:15 AM - 03:20 AM	59.5	59.0	05:55 AM - 06:00 AM	60.1	58.8
12:40 AM - 12:45 AM	58.0	57.3	03:20 AM - 03:25 AM	59.3	58.6	06:00 AM - 06:05 AM	60.2	59.3
12:45 AM - 12:50 AM	58.3	57.5	03:25 AM - 03:30 AM	59.6	59.1	06:05 AM - 06:10 AM	59.7	58.8
12:50 AM - 12:55 AM	58.2	57.5	03:30 AM - 03:35 AM	60.0	59.5	06:10 AM - 06:15 AM	59.4	58.5
12:55 AM - 01:00 AM	58.8	58.0	03:35 AM - 03:40 AM	59.3	58.8	06:15 AM - 06:20 AM	59.4	58.5
01:00 AM - 01:05 AM	59.5	58.7	03:40 AM - 03:45 AM	59.8	58.9	06:20 AM - 06:25 AM	59.1	58.4
01:05 AM - 01:10 AM	59.6	58.8	03:45 AM - 03:50 AM	59.6	58.9	06:25 AM - 06:30 AM	59.0	58.1
01:10 AM - 01:15 AM	59.2	58.6	03:50 AM - 03:55 AM	59.7	58.9	06:30 AM - 06:35 AM	59.5	58.0
01:15 AM - 01:20 AM	59.3	58.7	03:55 AM - 04:00 AM	59.4	58.8	06:35 AM - 06:40 AM	58.9	58.0
01:20 AM - 01:25 AM	58.7	58.2	04:00 AM - 04:05 AM	60.2	59.7	06:40 AM - 06:45 AM	58.8	58.1
01:25 AM - 01:30 AM	59.1	58.3	04:05 AM - 04:10 AM	60.1	59.7	06:45 AM - 06:50 AM	58.9	58.0
01:30 AM - 01:35 AM	58.7	58.1	04:10 AM - 04:15 AM	60.0	59.5	06:50 AM - 06:55 AM	58.7	58.0
01:35 AM - 01:40 AM	58.7	58.0	04:15 AM - 04:20 AM	60.1	59.4	06:55 AM - 07:00 AM	59.1	58.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509421-1

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Sample Number 22122147-4
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองระเรียง1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 24 - Nov 25, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	58.6	58.1	09:40 AM - 09:45 AM	56.7	55.8	12:20 PM - 12:25 PM	56.6	55.5
07:05 AM - 07:10 AM	58.7	57.7	09:45 AM - 09:50 AM	57.0	55.9	12:25 PM - 12:30 PM	56.9	56.0
07:10 AM - 07:15 AM	58.3	57.6	09:50 AM - 09:55 AM	56.9	56.2	12:30 PM - 12:35 PM	56.6	55.6
07:15 AM - 07:20 AM	58.6	58.1	09:55 AM - 10:00 AM	56.4	55.6	12:35 PM - 12:40 PM	56.0	54.9
07:20 AM - 07:25 AM	59.2	58.1	10:00 AM - 10:05 AM	56.6	55.9	12:40 PM - 12:45 PM	56.3	55.5
07:25 AM - 07:30 AM	58.8	58.1	10:05 AM - 10:10 AM	59.2	55.9	12:45 PM - 12:50 PM	57.1	56.0
07:30 AM - 07:35 AM	58.1	57.5	10:10 AM - 10:15 AM	56.7	56.0	12:50 PM - 12:55 PM	56.2	55.1
07:35 AM - 07:40 AM	58.1	57.4	10:15 AM - 10:20 AM	56.6	55.9	12:55 PM - 01:00 PM	55.8	54.9
07:40 AM - 07:45 AM	58.0	57.3	10:20 AM - 10:25 AM	56.6	55.7	01:00 PM - 01:05 PM	56.4	55.2
07:45 AM - 07:50 AM	57.9	57.2	10:25 AM - 10:30 AM	56.6	55.6	01:05 PM - 01:10 PM	56.7	55.5
07:50 AM - 07:55 AM	58.2	57.5	10:30 AM - 10:35 AM	56.7	55.8	01:10 PM - 01:15 PM	57.2	56.5
07:55 AM - 08:00 AM	58.8	57.7	10:35 AM - 10:40 AM	56.8	55.8	01:15 PM - 01:20 PM	57.3	56.5
08:00 AM - 08:05 AM	58.2	57.6	10:40 AM - 10:45 AM	56.8	56.0	01:20 PM - 01:25 PM	56.6	55.9
08:05 AM - 08:10 AM	58.6	57.8	10:45 AM - 10:50 AM	56.8	56.0	01:25 PM - 01:30 PM	56.8	55.9
08:10 AM - 08:15 AM	58.5	57.6	10:50 AM - 10:55 AM	56.7	55.7	01:30 PM - 01:35 PM	57.3	56.2
08:15 AM - 08:20 AM	58.4	57.1	10:55 AM - 11:00 AM	56.0	55.1	01:35 PM - 01:40 PM	56.7	56.0
08:20 AM - 08:25 AM	59.0	57.2	11:00 AM - 11:05 AM	56.6	55.6	01:40 PM - 01:45 PM	56.6	55.9
08:25 AM - 08:30 AM	58.4	57.3	11:05 AM - 11:10 AM	56.5	55.7	01:45 PM - 01:50 PM	57.0	56.1
08:30 AM - 08:35 AM	57.9	56.8	11:10 AM - 11:15 AM	56.4	55.1	01:50 PM - 01:55 PM	56.5	55.4
08:35 AM - 08:40 AM	58.0	56.8	11:15 AM - 11:20 AM	56.6	55.7	01:55 PM - 02:00 PM	66.4	56.0
08:40 AM - 08:45 AM	58.1	57.0	11:20 AM - 11:25 AM	56.6	55.5	02:00 PM - 02:05 PM	56.5	55.5
08:45 AM - 08:50 AM	58.1	57.1	11:25 AM - 11:30 AM	56.3	55.1	02:05 PM - 02:10 PM	56.5	55.6
08:50 AM - 08:55 AM	58.5	56.7	11:30 AM - 11:35 AM	57.0	56.0	02:10 PM - 02:15 PM	56.4	55.8
08:55 AM - 09:00 AM	57.8	56.6	11:35 AM - 11:40 AM	56.9	56.0	02:15 PM - 02:20 PM	56.9	56.1
09:00 AM - 09:05 AM	57.6	56.6	11:40 AM - 11:45 AM	56.6	55.5	02:20 PM - 02:25 PM	56.6	55.8
09:05 AM - 09:10 AM	57.3	56.6	11:45 AM - 11:50 AM	56.8	55.7	02:25 PM - 02:30 PM	56.9	56.1
09:10 AM - 09:15 AM	57.7	56.7	11:50 AM - 11:55 AM	56.3	55.5	02:30 PM - 02:35 PM	56.9	56.1
09:15 AM - 09:20 AM	57.7	56.3	11:55 AM - 12:00 PM	56.5	55.7	02:35 PM - 02:40 PM	57.0	56.4
09:20 AM - 09:25 AM	56.6	55.5	12:00 PM - 12:05 PM	56.2	55.4	02:40 PM - 02:45 PM	57.1	56.3
09:25 AM - 09:30 AM	56.3	55.4	12:05 PM - 12:10 PM	56.4	55.4	02:45 PM - 02:50 PM	57.5	56.7
09:30 AM - 09:35 AM	57.0	56.1	12:10 PM - 12:15 PM	56.2	55.1	02:50 PM - 02:55 PM	57.3	56.7
09:35 AM - 09:40 AM	56.7	55.3	12:15 PM - 12:20 PM	56.1	55.1	02:55 PM - 03:00 PM	57.3	56.7

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509422-1

Page 1 of 3

Sample Number 22122147-5
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ตำบลทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 25 - Nov 26, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	57.3	56.7	05:40 PM - 05:45 PM	61.6	61.1	08:20 PM - 08:25 PM	58.1	57.4
03:05 PM - 03:10 PM	56.9	56.1	05:45 PM - 05:50 PM	61.1	60.2	08:25 PM - 08:30 PM	57.9	57.4
03:10 PM - 03:15 PM	56.8	56.0	05:50 PM - 05:55 PM	60.2	59.7	08:30 PM - 08:35 PM	58.0	57.4
03:15 PM - 03:20 PM	57.3	56.6	05:55 PM - 06:00 PM	59.4	58.9	08:35 PM - 08:40 PM	57.9	57.4
03:20 PM - 03:25 PM	57.4	56.5	06:00 PM - 06:05 PM	58.8	58.2	08:40 PM - 08:45 PM	58.0	57.3
03:25 PM - 03:30 PM	57.0	56.1	06:05 PM - 06:10 PM	58.5	57.9	08:45 PM - 08:50 PM	58.2	57.4
03:30 PM - 03:35 PM	57.1	56.4	06:10 PM - 06:15 PM	58.5	58.0	08:50 PM - 08:55 PM	58.1	57.6
03:35 PM - 03:40 PM	57.4	56.4	06:15 PM - 06:20 PM	58.3	57.8	08:55 PM - 09:00 PM	58.4	57.8
03:40 PM - 03:45 PM	57.4	56.8	06:20 PM - 06:25 PM	58.1	57.6	09:00 PM - 09:05 PM	58.2	57.6
03:45 PM - 03:50 PM	57.4	56.7	06:25 PM - 06:30 PM	58.1	57.6	09:05 PM - 09:10 PM	58.2	57.6
03:50 PM - 03:55 PM	57.2	56.5	06:30 PM - 06:35 PM	58.4	57.8	09:10 PM - 09:15 PM	57.8	57.3
03:55 PM - 04:00 PM	57.2	56.4	06:35 PM - 06:40 PM	58.2	57.7	09:15 PM - 09:20 PM	57.9	57.4
04:00 PM - 04:05 PM	58.1	57.1	06:40 PM - 06:45 PM	57.9	57.4	09:20 PM - 09:25 PM	58.0	57.4
04:05 PM - 04:10 PM	57.4	56.6	06:45 PM - 06:50 PM	58.1	57.6	09:25 PM - 09:30 PM	58.1	57.6
04:10 PM - 04:15 PM	57.1	56.2	06:50 PM - 06:55 PM	58.3	57.9	09:30 PM - 09:35 PM	58.3	57.7
04:15 PM - 04:20 PM	57.1	56.3	06:55 PM - 07:00 PM	58.8	58.1	09:35 PM - 09:40 PM	58.5	57.8
04:20 PM - 04:25 PM	57.4	56.5	07:00 PM - 07:05 PM	58.5	58.1	09:40 PM - 09:45 PM	58.0	57.5
04:25 PM - 04:30 PM	57.6	57.0	07:05 PM - 07:10 PM	58.2	57.8	09:45 PM - 09:50 PM	58.2	57.7
04:30 PM - 04:35 PM	57.6	56.8	07:10 PM - 07:15 PM	58.4	57.8	09:50 PM - 09:55 PM	58.3	57.7
04:35 PM - 04:40 PM	57.8	57.1	07:15 PM - 07:20 PM	58.3	57.9	09:55 PM - 10:00 PM	59.4	57.6
04:40 PM - 04:45 PM	57.5	57.0	07:20 PM - 07:25 PM	58.3	57.7	10:00 PM - 10:05 PM	58.3	57.8
04:45 PM - 04:50 PM	58.0	57.3	07:25 PM - 07:30 PM	58.4	57.9	10:05 PM - 10:10 PM	58.7	57.9
04:50 PM - 04:55 PM	58.3	57.0	07:30 PM - 07:35 PM	58.1	57.6	10:10 PM - 10:15 PM	58.5	57.8
04:55 PM - 05:00 PM	58.2	57.3	07:35 PM - 07:40 PM	58.1	57.7	10:15 PM - 10:20 PM	58.6	58.0
05:00 PM - 05:05 PM	58.7	57.7	07:40 PM - 07:45 PM	58.0	57.5	10:20 PM - 10:25 PM	58.5	57.9
05:05 PM - 05:10 PM	59.4	58.7	07:45 PM - 07:50 PM	58.0	57.6	10:25 PM - 10:30 PM	58.7	58.1
05:10 PM - 05:15 PM	59.5	58.6	07:50 PM - 07:55 PM	57.9	57.4	10:30 PM - 10:35 PM	58.3	57.6
05:15 PM - 05:20 PM	60.3	59.6	07:55 PM - 08:00 PM	57.6	57.2	10:35 PM - 10:40 PM	59.2	58.0
05:20 PM - 05:25 PM	60.7	60.0	08:00 PM - 08:05 PM	57.8	57.2	10:40 PM - 10:45 PM	58.8	58.2
05:25 PM - 05:30 PM	61.4	60.6	08:05 PM - 08:10 PM	57.7	57.2	10:45 PM - 10:50 PM	58.4	57.9
05:30 PM - 05:35 PM	62.0	61.3	08:10 PM - 08:15 PM	59.0	57.6	10:50 PM - 10:55 PM	58.4	57.9
05:35 PM - 05:40 PM	62.0	61.3	08:15 PM - 08:20 PM	58.1	57.6	10:55 PM - 11:00 PM	58.3	57.9

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509422-1

Page 2 of 3

Sample Number 22122147-5
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 25 - Nov 26, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 25 - Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	58.6	58.0	01:40 AM - 01:45 AM	60.7	60.1	04:20 AM - 04:25 AM	59.5	58.9
11:05 PM - 11:10 PM	58.8	58.3	01:45 AM - 01:50 AM	60.4	59.8	04:25 AM - 04:30 AM	59.5	59.0
11:10 PM - 11:15 PM	58.8	58.2	01:50 AM - 01:55 AM	61.2	60.1	04:30 AM - 04:35 AM	59.4	58.9
11:15 PM - 11:20 PM	58.4	57.7	01:55 AM - 02:00 AM	60.8	60.2	04:35 AM - 04:40 AM	59.4	58.9
11:20 PM - 11:25 PM	58.5	57.7	02:00 AM - 02:05 AM	60.3	59.7	04:40 AM - 04:45 AM	59.8	59.4
11:25 PM - 11:30 PM	58.0	57.5	02:05 AM - 02:10 AM	60.3	59.8	04:45 AM - 04:50 AM	60.0	59.4
11:30 PM - 11:35 PM	57.8	57.2	02:10 AM - 02:15 AM	60.3	59.8	04:50 AM - 04:55 AM	60.2	59.7
11:35 PM - 11:40 PM	58.2	57.5	02:15 AM - 02:20 AM	60.7	60.1	04:55 AM - 05:00 AM	60.0	59.5
11:40 PM - 11:45 PM	58.3	57.5	02:20 AM - 02:25 AM	60.5	60.0	05:00 AM - 05:05 AM	60.0	59.6
11:45 PM - 11:50 PM	57.9	57.2	02:25 AM - 02:30 AM	61.0	60.2	05:05 AM - 05:10 AM	60.5	59.9
11:50 PM - 11:55 PM	58.1	57.5	02:30 AM - 02:35 AM	61.2	60.6	05:10 AM - 05:15 AM	60.4	60.0
11:55 PM - 12:00 AM	58.3	57.6	02:35 AM - 02:40 AM	61.0	60.5	05:15 AM - 05:20 AM	60.5	60.1
12:00 AM - 12:05 AM	58.4	57.8	02:40 AM - 02:45 AM	60.5	59.9	05:20 AM - 05:25 AM	60.4	60.0
12:05 AM - 12:10 AM	58.3	57.9	02:45 AM - 02:50 AM	60.8	60.3	05:25 AM - 05:30 AM	60.3	59.9
12:10 AM - 12:15 AM	58.4	57.8	02:50 AM - 02:55 AM	60.6	60.0	05:30 AM - 05:35 AM	60.2	59.8
12:15 AM - 12:20 AM	61.7	58.9	02:55 AM - 03:00 AM	60.6	59.7	05:35 AM - 05:40 AM	60.2	59.7
12:20 AM - 12:25 AM	61.6	59.0	03:00 AM - 03:05 AM	61.3	60.6	05:40 AM - 05:45 AM	60.2	59.6
12:25 AM - 12:30 AM	60.4	58.7	03:05 AM - 03:10 AM	61.2	60.7	05:45 AM - 05:50 AM	60.2	59.7
12:30 AM - 12:35 AM	59.0	57.9	03:10 AM - 03:15 AM	60.9	60.1	05:50 AM - 05:55 AM	60.1	59.6
12:35 AM - 12:40 AM	59.8	57.9	03:15 AM - 03:20 AM	60.1	59.6	05:55 AM - 06:00 AM	60.0	59.6
12:40 AM - 12:45 AM	62.0	58.0	03:20 AM - 03:25 AM	59.8	58.9	06:00 AM - 06:05 AM	59.9	59.5
12:45 AM - 12:50 AM	58.8	58.0	03:25 AM - 03:30 AM	60.4	59.8	06:05 AM - 06:10 AM	59.8	59.3
12:50 AM - 12:55 AM	59.0	57.7	03:30 AM - 03:35 AM	59.9	58.9	06:10 AM - 06:15 AM	59.7	59.2
12:55 AM - 01:00 AM	58.2	57.7	03:35 AM - 03:40 AM	59.1	58.6	06:15 AM - 06:20 AM	59.5	58.9
01:00 AM - 01:05 AM	58.6	58.0	03:40 AM - 03:45 AM	59.5	58.9	06:20 AM - 06:25 AM	60.6	58.6
01:05 AM - 01:10 AM	60.4	59.1	03:45 AM - 03:50 AM	60.3	59.8	06:25 AM - 06:30 AM	59.0	58.5
01:10 AM - 01:15 AM	60.0	59.3	03:50 AM - 03:55 AM	60.3	59.7	06:30 AM - 06:35 AM	60.0	58.9
01:15 AM - 01:20 AM	60.2	59.5	03:55 AM - 04:00 AM	60.2	59.4	06:35 AM - 06:40 AM	59.7	59.0
01:20 AM - 01:25 AM	60.9	60.3	04:00 AM - 04:05 AM	59.8	59.2	06:40 AM - 06:45 AM	59.4	58.9
01:25 AM - 01:30 AM	60.5	59.7	04:05 AM - 04:10 AM	59.3	58.8	06:45 AM - 06:50 AM	59.3	58.8
01:30 AM - 01:35 AM	62.7	59.9	04:10 AM - 04:15 AM	59.2	58.9	06:50 AM - 06:55 AM	58.9	58.2
01:35 AM - 01:40 AM	62.5	59.8	04:15 AM - 04:20 AM	59.1	58.7	06:55 AM - 07:00 AM	59.6	58.3

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509422-1

Page 3 of 3

Sample Number : 22122147-5
Parameter : Noise Level (Leq 5 min)
Location : บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม 1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date : Nov 25 - Nov 26, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885440

Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	58.8	58.1	09:40 AM - 09:45 AM	57.0	56.0	12:20 PM - 12:25 PM	56.3	55.3
07:05 AM - 07:10 AM	59.2	58.4	09:45 AM - 09:50 AM	56.9	56.0	12:25 PM - 12:30 PM	57.7	56.1
07:10 AM - 07:15 AM	59.3	58.7	09:50 AM - 09:55 AM	57.9	57.0	12:30 PM - 12:35 PM	57.6	56.3
07:15 AM - 07:20 AM	59.3	58.6	09:55 AM - 10:00 AM	58.7	56.8	12:35 PM - 12:40 PM	57.9	56.4
07:20 AM - 07:25 AM	59.1	58.5	10:00 AM - 10:05 AM	58.1	56.7	12:40 PM - 12:45 PM	59.8	58.7
07:25 AM - 07:30 AM	59.1	58.3	10:05 AM - 10:10 AM	56.0	55.0	12:45 PM - 12:50 PM	58.9	57.9
07:30 AM - 07:35 AM	60.7	58.2	10:10 AM - 10:15 AM	56.5	55.6	12:50 PM - 12:55 PM	59.0	57.7
07:35 AM - 07:40 AM	58.6	57.8	10:15 AM - 10:20 AM	56.8	56.0	12:55 PM - 01:00 PM	58.0	56.7
07:40 AM - 07:45 AM	58.3	57.6	10:20 AM - 10:25 AM	56.8	56.2	01:00 PM - 01:05 PM	58.2	57.4
07:45 AM - 07:50 AM	58.5	57.5	10:25 AM - 10:30 AM	57.2	56.3	01:05 PM - 01:10 PM	58.1	57.0
07:50 AM - 07:55 AM	58.1	57.3	10:30 AM - 10:35 AM	56.4	55.7	01:10 PM - 01:15 PM	57.6	56.6
07:55 AM - 08:00 AM	58.0	57.3	10:35 AM - 10:40 AM	56.0	54.9	01:15 PM - 01:20 PM	59.1	57.2
08:00 AM - 08:05 AM	58.5	57.5	10:40 AM - 10:45 AM	56.8	56.0	01:20 PM - 01:25 PM	60.9	57.4
08:05 AM - 08:10 AM	58.2	57.3	10:45 AM - 10:50 AM	56.4	55.7	01:25 PM - 01:30 PM	58.4	57.7
08:10 AM - 08:15 AM	58.5	57.6	10:50 AM - 10:55 AM	56.0	54.6	01:30 PM - 01:35 PM	58.6	57.8
08:15 AM - 08:20 AM	58.2	57.2	10:55 AM - 11:00 AM	56.3	55.4	01:35 PM - 01:40 PM	58.3	57.3
08:20 AM - 08:25 AM	58.5	57.7	11:00 AM - 11:05 AM	56.5	55.7	01:40 PM - 01:45 PM	58.7	57.4
08:25 AM - 08:30 AM	59.0	58.1	11:05 AM - 11:10 AM	57.3	56.0	01:45 PM - 01:50 PM	58.4	57.5
08:30 AM - 08:35 AM	58.4	57.7	11:10 AM - 11:15 AM	57.3	56.4	01:50 PM - 01:55 PM	58.4	57.7
08:35 AM - 08:40 AM	58.8	57.9	11:15 AM - 11:20 AM	57.5	56.8	01:55 PM - 02:00 PM	58.4	57.6
08:40 AM - 08:45 AM	58.1	57.1	11:20 AM - 11:25 AM	57.6	56.5	02:00 PM - 02:05 PM	58.2	57.4
08:45 AM - 08:50 AM	57.8	56.9	11:25 AM - 11:30 AM	57.6	56.4	02:05 PM - 02:10 PM	58.4	57.7
08:50 AM - 08:55 AM	57.4	56.2	11:30 AM - 11:35 AM	57.8	56.6	02:10 PM - 02:15 PM	58.8	57.9
08:55 AM - 09:00 AM	57.3	56.5	11:35 AM - 11:40 AM	57.2	56.4	02:15 PM - 02:20 PM	58.7	57.9
09:00 AM - 09:05 AM	57.4	56.6	11:40 AM - 11:45 AM	57.0	55.5	02:20 PM - 02:25 PM	58.4	57.6
09:05 AM - 09:10 AM	57.7	56.9	11:45 AM - 11:50 AM	57.3	56.7	02:25 PM - 02:30 PM	58.8	58.0
09:10 AM - 09:15 AM	57.9	56.9	11:50 AM - 11:55 AM	57.7	56.8	02:30 PM - 02:35 PM	59.5	58.4
09:15 AM - 09:20 AM	58.3	57.4	11:55 AM - 12:00 PM	56.9	55.9	02:35 PM - 02:40 PM	60.0	58.7
09:20 AM - 09:25 AM	58.2	57.1	12:00 PM - 12:05 PM	56.7	56.1	02:40 PM - 02:45 PM	59.0	58.1
09:25 AM - 09:30 AM	56.8	55.8	12:05 PM - 12:10 PM	56.9	55.9	02:45 PM - 02:50 PM	59.6	58.6
09:30 AM - 09:35 AM	57.1	56.2	12:10 PM - 12:15 PM	55.7	54.9	02:50 PM - 02:55 PM	59.5	58.6
09:35 AM - 09:40 AM	58.5	56.4	12:15 PM - 12:20 PM	56.6	55.8	02:55 PM - 03:00 PM	59.0	58.1

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509423-1

Page 1 of 3

Sample Number 22122147-6
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ตำบลทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	58.3	57.0	05:40 PM - 05:45 PM	60.5	59.7	08:20 PM - 08:25 PM	59.2	58.3
03:05 PM - 03:10 PM	57.5	56.6	05:45 PM - 05:50 PM	60.1	59.5	08:25 PM - 08:30 PM	59.0	58.4
03:10 PM - 03:15 PM	58.3	56.3	05:50 PM - 05:55 PM	60.1	59.6	08:30 PM - 08:35 PM	59.1	58.6
03:15 PM - 03:20 PM	64.1	61.3	05:55 PM - 06:00 PM	58.8	57.9	08:35 PM - 08:40 PM	58.9	58.3
03:20 PM - 03:25 PM	63.7	62.4	06:00 PM - 06:05 PM	58.2	57.6	08:40 PM - 08:45 PM	59.1	58.6
03:25 PM - 03:30 PM	65.4	62.5	06:05 PM - 06:10 PM	58.0	57.3	08:45 PM - 08:50 PM	59.8	59.4
03:30 PM - 03:35 PM	65.1	62.9	06:10 PM - 06:15 PM	57.7	57.1	08:50 PM - 08:55 PM	59.5	59.0
03:35 PM - 03:40 PM	60.7	58.6	06:15 PM - 06:20 PM	58.1	57.5	08:55 PM - 09:00 PM	59.7	59.1
03:40 PM - 03:45 PM	59.2	58.6	06:20 PM - 06:25 PM	58.2	57.4	09:00 PM - 09:05 PM	59.4	58.7
03:45 PM - 03:50 PM	59.5	58.7	06:25 PM - 06:30 PM	58.4	57.6	09:05 PM - 09:10 PM	59.2	58.5
03:50 PM - 03:55 PM	59.8	59.2	06:30 PM - 06:35 PM	57.9	57.2	09:10 PM - 09:15 PM	59.0	58.3
03:55 PM - 04:00 PM	59.8	59.1	06:35 PM - 06:40 PM	58.0	57.3	09:15 PM - 09:20 PM	59.4	58.6
04:00 PM - 04:05 PM	59.8	59.1	06:40 PM - 06:45 PM	58.1	57.3	09:20 PM - 09:25 PM	59.2	58.6
04:05 PM - 04:10 PM	59.7	59.1	06:45 PM - 06:50 PM	58.8	58.2	09:25 PM - 09:30 PM	58.9	58.4
04:10 PM - 04:15 PM	59.8	59.1	06:50 PM - 06:55 PM	59.3	58.5	09:30 PM - 09:35 PM	59.4	58.7
04:15 PM - 04:20 PM	59.6	59.0	06:55 PM - 07:00 PM	59.4	58.7	09:35 PM - 09:40 PM	59.2	58.6
04:20 PM - 04:25 PM	59.5	58.9	07:00 PM - 07:05 PM	59.6	58.9	09:40 PM - 09:45 PM	59.3	58.7
04:25 PM - 04:30 PM	59.0	58.4	07:05 PM - 07:10 PM	59.3	58.6	09:45 PM - 09:50 PM	58.9	58.4
04:30 PM - 04:35 PM	58.8	57.9	07:10 PM - 07:15 PM	59.9	59.0	09:50 PM - 09:55 PM	58.6	57.9
04:35 PM - 04:40 PM	58.3	57.6	07:15 PM - 07:20 PM	59.5	58.9	09:55 PM - 10:00 PM	58.5	58.0
04:40 PM - 04:45 PM	58.3	57.7	07:20 PM - 07:25 PM	59.8	59.3	10:00 PM - 10:05 PM	58.2	57.7
04:45 PM - 04:50 PM	58.5	57.9	07:25 PM - 07:30 PM	59.6	59.2	10:05 PM - 10:10 PM	58.1	57.7
04:50 PM - 04:55 PM	58.6	58.1	07:30 PM - 07:35 PM	59.7	59.2	10:10 PM - 10:15 PM	58.3	57.7
04:55 PM - 05:00 PM	58.8	58.1	07:35 PM - 07:40 PM	59.8	59.2	10:15 PM - 10:20 PM	58.1	57.4
05:00 PM - 05:05 PM	59.3	58.4	07:40 PM - 07:45 PM	59.7	59.1	10:20 PM - 10:25 PM	58.4	57.9
05:05 PM - 05:10 PM	60.4	59.4	07:45 PM - 07:50 PM	60.0	59.5	10:25 PM - 10:30 PM	59.0	58.4
05:10 PM - 05:15 PM	60.9	59.6	07:50 PM - 07:55 PM	60.0	59.5	10:30 PM - 10:35 PM	59.3	58.6
05:15 PM - 05:20 PM	60.7	60.1	07:55 PM - 08:00 PM	60.6	59.4	10:35 PM - 10:40 PM	59.5	58.7
05:20 PM - 05:25 PM	60.0	59.3	08:00 PM - 08:05 PM	60.0	59.0	10:40 PM - 10:45 PM	59.5	58.9
05:25 PM - 05:30 PM	59.6	58.8	08:05 PM - 08:10 PM	60.8	60.2	10:45 PM - 10:50 PM	59.5	58.5
05:30 PM - 05:35 PM	60.4	59.3	08:10 PM - 08:15 PM	60.4	59.5	10:50 PM - 10:55 PM	61.8	60.4
05:35 PM - 05:40 PM	60.6	60.1	08:15 PM - 08:20 PM	59.4	58.4	10:55 PM - 11:00 PM	63.0	61.7

Approved by

Sarayuth Jittrantont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509423-1

Page 2 of 3

Sample Number 22122147-6
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 26 - Nov 27, 2022	Leq	L90	Nov 27, 2022	Leq	L90	Nov 27, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	63.3	62.9	01:40 AM - 01:45 AM	58.4	57.3	04:20 AM - 04:25 AM	58.5	58.1
11:05 PM - 11:10 PM	62.9	62.4	01:45 AM - 01:50 AM	57.3	56.8	04:25 AM - 04:30 AM	58.9	58.4
11:10 PM - 11:15 PM	62.2	61.3	01:50 AM - 01:55 AM	58.0	57.6	04:30 AM - 04:35 AM	58.4	57.8
11:15 PM - 11:20 PM	60.9	60.5	01:55 AM - 02:00 AM	58.3	57.7	04:35 AM - 04:40 AM	58.5	58.0
11:20 PM - 11:25 PM	60.5	60.2	02:00 AM - 02:05 AM	58.2	57.7	04:40 AM - 04:45 AM	58.4	58.0
11:25 PM - 11:30 PM	59.5	58.0	02:05 AM - 02:10 AM	57.9	57.3	04:45 AM - 04:50 AM	58.5	58.0
11:30 PM - 11:35 PM	58.0	56.8	02:10 AM - 02:15 AM	57.6	56.9	04:50 AM - 04:55 AM	58.9	58.3
11:35 PM - 11:40 PM	56.9	56.4	02:15 AM - 02:20 AM	57.6	56.8	04:55 AM - 05:00 AM	59.0	58.5
11:40 PM - 11:45 PM	57.4	56.8	02:20 AM - 02:25 AM	57.9	57.2	05:00 AM - 05:05 AM	58.9	58.4
11:45 PM - 11:50 PM	57.6	57.1	02:25 AM - 02:30 AM	57.9	57.3	05:05 AM - 05:10 AM	59.0	58.5
11:50 PM - 11:55 PM	57.5	57.1	02:30 AM - 02:35 AM	57.4	56.9	05:10 AM - 05:15 AM	59.7	59.1
11:55 PM - 12:00 AM	56.9	56.5	02:35 AM - 02:40 AM	57.6	57.1	05:15 AM - 05:20 AM	59.7	59.3
12:00 AM - 12:05 AM	57.6	57.1	02:40 AM - 02:45 AM	57.8	57.1	05:20 AM - 05:25 AM	59.8	59.2
12:05 AM - 12:10 AM	58.0	57.5	02:45 AM - 02:50 AM	57.7	57.2	05:25 AM - 05:30 AM	60.0	59.6
12:10 AM - 12:15 AM	58.1	57.4	02:50 AM - 02:55 AM	57.8	56.9	05:30 AM - 05:35 AM	60.1	59.3
12:15 AM - 12:20 AM	58.1	57.3	02:55 AM - 03:00 AM	57.8	57.1	05:35 AM - 05:40 AM	59.7	59.2
12:20 AM - 12:25 AM	57.2	56.7	03:00 AM - 03:05 AM	57.7	56.9	05:40 AM - 05:45 AM	59.2	58.7
12:25 AM - 12:30 AM	57.7	57.2	03:05 AM - 03:10 AM	57.3	56.9	05:45 AM - 05:50 AM	59.5	58.9
12:30 AM - 12:35 AM	57.8	57.2	03:10 AM - 03:15 AM	57.6	57.1	05:50 AM - 05:55 AM	59.8	59.0
12:35 AM - 12:40 AM	58.2	57.3	03:15 AM - 03:20 AM	58.1	57.4	05:55 AM - 06:00 AM	59.3	58.7
12:40 AM - 12:45 AM	58.4	57.8	03:20 AM - 03:25 AM	58.4	57.7	06:00 AM - 06:05 AM	59.3	58.6
12:45 AM - 12:50 AM	57.9	57.2	03:25 AM - 03:30 AM	58.7	58.1	06:05 AM - 06:10 AM	61.9	59.0
12:50 AM - 12:55 AM	58.2	57.4	03:30 AM - 03:35 AM	58.3	57.9	06:10 AM - 06:15 AM	59.3	58.3
12:55 AM - 01:00 AM	58.2	57.7	03:35 AM - 03:40 AM	58.4	58.0	06:15 AM - 06:20 AM	58.8	57.9
01:00 AM - 01:05 AM	58.2	57.5	03:40 AM - 03:45 AM	58.7	58.3	06:20 AM - 06:25 AM	58.3	57.6
01:05 AM - 01:10 AM	58.5	57.8	03:45 AM - 03:50 AM	58.4	58.0	06:25 AM - 06:30 AM	58.3	57.4
01:10 AM - 01:15 AM	58.3	57.7	03:50 AM - 03:55 AM	58.6	58.1	06:30 AM - 06:35 AM	58.7	57.1
01:15 AM - 01:20 AM	58.4	57.8	03:55 AM - 04:00 AM	58.4	58.0	06:35 AM - 06:40 AM	57.5	56.7
01:20 AM - 01:25 AM	58.2	57.6	04:00 AM - 04:05 AM	58.4	58.0	06:40 AM - 06:45 AM	57.9	57.1
01:25 AM - 01:30 AM	57.9	57.2	04:05 AM - 04:10 AM	58.3	57.8	06:45 AM - 06:50 AM	57.6	56.5
01:30 AM - 01:35 AM	58.0	57.4	04:10 AM - 04:15 AM	58.1	57.7	06:50 AM - 06:55 AM	57.2	56.5
01:35 AM - 01:40 AM	58.0	57.3	04:15 AM - 04:20 AM	58.2	57.7	06:55 AM - 07:00 AM	57.4	56.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509423-1

Page 3 of 3

Sample Number 22122147-6
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม 1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	57.1	55.8	09:40 AM - 09:45 AM	60.7	58.0	12:20 PM - 12:25 PM	58.2	57.7
07:05 AM - 07:10 AM	56.7	55.8	09:45 AM - 09:50 AM	59.6	58.4	12:25 PM - 12:30 PM	58.6	57.9
07:10 AM - 07:15 AM	56.7	55.6	09:50 AM - 09:55 AM	58.4	57.7	12:30 PM - 12:35 PM	58.2	57.6
07:15 AM - 07:20 AM	56.5	55.6	09:55 AM - 10:00 AM	58.4	57.8	12:35 PM - 12:40 PM	58.8	58.2
07:20 AM - 07:25 AM	56.3	55.5	10:00 AM - 10:05 AM	58.2	57.6	12:40 PM - 12:45 PM	58.8	58.3
07:25 AM - 07:30 AM	56.2	55.2	10:05 AM - 10:10 AM	58.7	58.0	12:45 PM - 12:50 PM	59.0	58.2
07:30 AM - 07:35 AM	56.7	55.6	10:10 AM - 10:15 AM	58.6	57.7	12:50 PM - 12:55 PM	58.2	57.3
07:35 AM - 07:40 AM	56.7	55.6	10:15 AM - 10:20 AM	58.2	57.5	12:55 PM - 01:00 PM	58.0	57.5
07:40 AM - 07:45 AM	56.2	54.8	10:20 AM - 10:25 AM	58.2	57.6	01:00 PM - 01:05 PM	58.3	57.9
07:45 AM - 07:50 AM	57.2	56.2	10:25 AM - 10:30 AM	57.8	57.2	01:05 PM - 01:10 PM	58.7	58.1
07:50 AM - 07:55 AM	57.9	56.9	10:30 AM - 10:35 AM	58.4	57.9	01:10 PM - 01:15 PM	58.5	57.9
07:55 AM - 08:00 AM	62.1	57.7	10:35 AM - 10:40 AM	58.9	58.1	01:15 PM - 01:20 PM	58.6	57.7
08:00 AM - 08:05 AM	59.1	58.3	10:40 AM - 10:45 AM	58.8	57.4	01:20 PM - 01:25 PM	58.0	57.3
08:05 AM - 08:10 AM	58.9	58.3	10:45 AM - 10:50 AM	58.6	58.2	01:25 PM - 01:30 PM	57.6	57.0
08:10 AM - 08:15 AM	58.9	58.3	10:50 AM - 10:55 AM	58.1	57.3	01:30 PM - 01:35 PM	58.4	57.9
08:15 AM - 08:20 AM	58.7	58.2	10:55 AM - 11:00 AM	58.2	57.6	01:35 PM - 01:40 PM	57.8	56.8
08:20 AM - 08:25 AM	58.6	58.1	11:00 AM - 11:05 AM	58.8	58.3	01:40 PM - 01:45 PM	58.3	57.5
08:25 AM - 08:30 AM	58.6	58.0	11:05 AM - 11:10 AM	58.6	58.1	01:45 PM - 01:50 PM	58.4	57.8
08:30 AM - 08:35 AM	62.4	57.8	11:10 AM - 11:15 AM	59.2	58.7	01:50 PM - 01:55 PM	58.6	57.8
08:35 AM - 08:40 AM	59.2	58.2	11:15 AM - 11:20 AM	58.7	58.0	01:55 PM - 02:00 PM	58.9	58.4
08:40 AM - 08:45 AM	58.3	57.7	11:20 AM - 11:25 AM	58.5	58.0	02:00 PM - 02:05 PM	59.0	58.4
08:45 AM - 08:50 AM	58.8	58.1	11:25 AM - 11:30 AM	58.7	58.2	02:05 PM - 02:10 PM	59.2	58.3
08:50 AM - 08:55 AM	58.4	57.3	11:30 AM - 11:35 AM	59.0	58.6	02:10 PM - 02:15 PM	59.0	58.4
08:55 AM - 09:00 AM	58.4	57.9	11:35 AM - 11:40 AM	59.1	58.7	02:15 PM - 02:20 PM	58.8	58.2
09:00 AM - 09:05 AM	58.7	58.0	11:40 AM - 11:45 AM	59.2	58.7	02:20 PM - 02:25 PM	60.9	58.3
09:05 AM - 09:10 AM	59.0	58.5	11:45 AM - 11:50 AM	59.1	58.4	02:25 PM - 02:30 PM	59.4	58.1
09:10 AM - 09:15 AM	58.7	58.2	11:50 AM - 11:55 AM	58.4	57.7	02:30 PM - 02:35 PM	58.3	57.8
09:15 AM - 09:20 AM	59.0	58.5	11:55 AM - 12:00 PM	58.3	57.8	02:35 PM - 02:40 PM	57.7	57.1
09:20 AM - 09:25 AM	58.8	57.8	12:00 PM - 12:05 PM	58.5	58.0	02:40 PM - 02:45 PM	57.8	57.3
09:25 AM - 09:30 AM	58.4	57.3	12:05 PM - 12:10 PM	57.9	57.2	02:45 PM - 02:50 PM	57.3	56.5
09:30 AM - 09:35 AM	58.5	57.9	12:10 PM - 12:15 PM	58.3	57.5	02:50 PM - 02:55 PM	57.2	56.8
09:35 AM - 09:40 AM	58.8	58.1	12:15 PM - 12:20 PM	57.2	56.7	02:55 PM - 03:00 PM	57.5	56.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509424-1

Page 1 of 3

Sample Number 22122147-7
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 27 - Nov 28, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	57.6	57.0	05:40 PM - 05:45 PM	61.1	60.7	08:20 PM - 08:25 PM	59.2	58.6
03:05 PM - 03:10 PM	57.5	56.9	05:45 PM - 05:50 PM	60.9	60.3	08:25 PM - 08:30 PM	58.6	58.1
03:10 PM - 03:15 PM	57.4	56.8	05:50 PM - 05:55 PM	60.2	59.6	08:30 PM - 08:35 PM	58.5	58.1
03:15 PM - 03:20 PM	57.4	57.0	05:55 PM - 06:00 PM	59.4	58.9	08:35 PM - 08:40 PM	58.4	57.9
03:20 PM - 03:25 PM	57.7	57.1	06:00 PM - 06:05 PM	58.8	58.4	08:40 PM - 08:45 PM	58.4	57.9
03:25 PM - 03:30 PM	57.9	57.3	06:05 PM - 06:10 PM	58.6	58.2	08:45 PM - 08:50 PM	58.3	57.8
03:30 PM - 03:35 PM	57.7	57.0	06:10 PM - 06:15 PM	58.2	57.7	08:50 PM - 08:55 PM	58.1	57.7
03:35 PM - 03:40 PM	57.7	57.1	06:15 PM - 06:20 PM	58.2	57.8	08:55 PM - 09:00 PM	58.1	57.6
03:40 PM - 03:45 PM	57.9	56.8	06:20 PM - 06:25 PM	58.2	57.5	09:00 PM - 09:05 PM	58.1	57.6
03:45 PM - 03:50 PM	57.2	56.4	06:25 PM - 06:30 PM	57.7	57.2	09:05 PM - 09:10 PM	58.8	57.7
03:50 PM - 03:55 PM	57.0	56.2	06:30 PM - 06:35 PM	57.9	57.4	09:10 PM - 09:15 PM	58.9	58.0
03:55 PM - 04:00 PM	57.5	56.3	06:35 PM - 06:40 PM	58.4	57.7	09:15 PM - 09:20 PM	59.2	58.2
04:00 PM - 04:05 PM	59.5	56.2	06:40 PM - 06:45 PM	58.1	57.5	09:20 PM - 09:25 PM	60.2	59.1
04:05 PM - 04:10 PM	57.4	56.2	06:45 PM - 06:50 PM	58.1	57.5	09:25 PM - 09:30 PM	61.1	59.3
04:10 PM - 04:15 PM	57.4	56.4	06:50 PM - 06:55 PM	58.0	57.4	09:30 PM - 09:35 PM	59.5	57.7
04:15 PM - 04:20 PM	57.0	56.2	06:55 PM - 07:00 PM	58.0	57.5	09:35 PM - 09:40 PM	58.4	57.3
04:20 PM - 04:25 PM	56.8	56.0	07:00 PM - 07:05 PM	57.8	57.3	09:40 PM - 09:45 PM	58.6	57.5
04:25 PM - 04:30 PM	57.0	56.2	07:05 PM - 07:10 PM	57.9	57.3	09:45 PM - 09:50 PM	57.7	56.6
04:30 PM - 04:35 PM	57.2	56.2	07:10 PM - 07:15 PM	57.5	56.9	09:50 PM - 09:55 PM	57.1	56.0
04:35 PM - 04:40 PM	57.8	57.0	07:15 PM - 07:20 PM	57.3	56.8	09:55 PM - 10:00 PM	57.0	56.0
04:40 PM - 04:45 PM	58.4	57.5	07:20 PM - 07:25 PM	57.8	57.3	10:00 PM - 10:05 PM	56.7	55.9
04:45 PM - 04:50 PM	59.2	58.3	07:25 PM - 07:30 PM	58.5	58.0	10:05 PM - 10:10 PM	56.6	55.7
04:50 PM - 04:55 PM	59.2	58.5	07:30 PM - 07:35 PM	58.3	57.8	10:10 PM - 10:15 PM	56.7	55.8
04:55 PM - 05:00 PM	61.0	60.5	07:35 PM - 07:40 PM	58.1	57.5	10:15 PM - 10:20 PM	57.3	56.2
05:00 PM - 05:05 PM	61.3	60.8	07:40 PM - 07:45 PM	58.0	57.5	10:20 PM - 10:25 PM	57.0	56.1
05:05 PM - 05:10 PM	63.1	61.9	07:45 PM - 07:50 PM	58.0	57.5	10:25 PM - 10:30 PM	57.1	56.0
05:10 PM - 05:15 PM	62.9	61.9	07:50 PM - 07:55 PM	59.1	58.0	10:30 PM - 10:35 PM	57.5	56.3
05:15 PM - 05:20 PM	62.8	62.0	07:55 PM - 08:00 PM	58.6	58.1	10:35 PM - 10:40 PM	56.9	55.7
05:20 PM - 05:25 PM	62.0	61.4	08:00 PM - 08:05 PM	58.3	57.7	10:40 PM - 10:45 PM	56.9	56.0
05:25 PM - 05:30 PM	62.1	60.4	08:05 PM - 08:10 PM	58.0	57.5	10:45 PM - 10:50 PM	57.3	56.3
05:30 PM - 05:35 PM	61.0	60.5	08:10 PM - 08:15 PM	59.0	58.4	10:50 PM - 10:55 PM	57.3	56.3
05:35 PM - 05:40 PM	61.1	60.7	08:15 PM - 08:20 PM	59.8	58.9	10:55 PM - 11:00 PM	57.7	56.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509424-1

Page 2 of 3

Sample Number 22122147-7
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 27 - Nov 28, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 27 - Nov 28, 2022	Leq	L90	Nov 28, 2022	Leq	L90	Nov 28, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	58.5	57.5	01:40 AM - 01:45 AM	57.0	56.3	04:20 AM - 04:25 AM	59.1	58.5
11:05 PM - 11:10 PM	58.5	57.5	01:45 AM - 01:50 AM	57.3	56.5	04:25 AM - 04:30 AM	59.6	59.0
11:10 PM - 11:15 PM	57.7	56.8	01:50 AM - 01:55 AM	57.3	56.8	04:30 AM - 04:35 AM	59.6	58.9
11:15 PM - 11:20 PM	57.8	57.0	01:55 AM - 02:00 AM	57.1	56.1	04:35 AM - 04:40 AM	59.9	58.9
11:20 PM - 11:25 PM	58.1	57.2	02:00 AM - 02:05 AM	57.2	56.1	04:40 AM - 04:45 AM	60.3	59.5
11:25 PM - 11:30 PM	57.8	56.9	02:05 AM - 02:10 AM	57.4	56.1	04:45 AM - 04:50 AM	60.8	60.1
11:30 PM - 11:35 PM	58.5	57.7	02:10 AM - 02:15 AM	57.9	57.0	04:50 AM - 04:55 AM	60.2	59.6
11:35 PM - 11:40 PM	58.1	57.4	02:15 AM - 02:20 AM	57.9	57.2	04:55 AM - 05:00 AM	60.1	59.2
11:40 PM - 11:45 PM	58.4	57.6	02:20 AM - 02:25 AM	58.0	57.2	05:00 AM - 05:05 AM	59.8	59.1
11:45 PM - 11:50 PM	57.8	56.5	02:25 AM - 02:30 AM	58.4	57.5	05:05 AM - 05:10 AM	60.5	59.7
11:50 PM - 11:55 PM	57.1	56.3	02:30 AM - 02:35 AM	58.2	56.8	05:10 AM - 05:15 AM	60.1	59.0
11:55 PM - 12:00 AM	57.2	56.0	02:35 AM - 02:40 AM	58.3	57.3	05:15 AM - 05:20 AM	60.1	59.3
12:00 AM - 12:05 AM	57.7	56.8	02:40 AM - 02:45 AM	58.4	57.6	05:20 AM - 05:25 AM	59.6	58.9
12:05 AM - 12:10 AM	57.1	56.2	02:45 AM - 02:50 AM	57.7	56.6	05:25 AM - 05:30 AM	59.9	58.8
12:10 AM - 12:15 AM	56.7	55.8	02:50 AM - 02:55 AM	58.1	57.4	05:30 AM - 05:35 AM	59.9	59.1
12:15 AM - 12:20 AM	57.4	56.3	02:55 AM - 03:00 AM	57.9	56.7	05:35 AM - 05:40 AM	60.6	59.9
12:20 AM - 12:25 AM	58.2	57.1	03:00 AM - 03:05 AM	58.3	57.1	05:40 AM - 05:45 AM	61.2	59.9
12:25 AM - 12:30 AM	57.6	56.9	03:05 AM - 03:10 AM	57.9	56.8	05:45 AM - 05:50 AM	61.8	59.9
12:30 AM - 12:35 AM	57.5	56.6	03:10 AM - 03:15 AM	57.5	56.0	05:50 AM - 05:55 AM	62.4	60.7
12:35 AM - 12:40 AM	57.3	56.6	03:15 AM - 03:20 AM	57.7	56.5	05:55 AM - 06:00 AM	60.6	59.3
12:40 AM - 12:45 AM	57.6	56.8	03:20 AM - 03:25 AM	58.3	57.1	06:00 AM - 06:05 AM	63.2	58.5
12:45 AM - 12:50 AM	58.0	56.8	03:25 AM - 03:30 AM	57.6	56.6	06:05 AM - 06:10 AM	62.6	58.6
12:50 AM - 12:55 AM	58.2	57.1	03:30 AM - 03:35 AM	58.1	57.3	06:10 AM - 06:15 AM	59.0	57.8
12:55 AM - 01:00 AM	58.6	57.3	03:35 AM - 03:40 AM	57.7	56.8	06:15 AM - 06:20 AM	59.6	58.2
01:00 AM - 01:05 AM	57.7	56.5	03:40 AM - 03:45 AM	59.2	58.1	06:20 AM - 06:25 AM	62.4	58.4
01:05 AM - 01:10 AM	57.8	57.1	03:45 AM - 03:50 AM	58.8	58.0	06:25 AM - 06:30 AM	59.6	58.3
01:10 AM - 01:15 AM	57.3	56.6	03:50 AM - 03:55 AM	58.9	57.8	06:30 AM - 06:35 AM	58.7	57.7
01:15 AM - 01:20 AM	57.6	57.0	03:55 AM - 04:00 AM	58.5	57.7	06:35 AM - 06:40 AM	58.7	57.7
01:20 AM - 01:25 AM	57.4	56.7	04:00 AM - 04:05 AM	58.4	57.4	06:40 AM - 06:45 AM	58.3	57.5
01:25 AM - 01:30 AM	57.3	56.7	04:05 AM - 04:10 AM	58.7	58.0	06:45 AM - 06:50 AM	59.3	57.6
01:30 AM - 01:35 AM	57.4	56.6	04:10 AM - 04:15 AM	59.1	58.4	06:50 AM - 06:55 AM	59.1	58.2
01:35 AM - 01:40 AM	57.6	57.0	04:15 AM - 04:20 AM	60.2	59.4	06:55 AM - 07:00 AM	58.8	57.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509424-1

Page 3 of 3

Sample Number 22122147-7
Parameter Noise Level (Leq 5 min)
Location บริเวณริมรั้วโครงการโรงไฟฟ้าหนองกระเทียม 1 ด้านทิศใต้ (GPS 48P 0196368, 1652272)
Measurement Date Nov 27 - Nov 28, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885440

Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	58.7	57.5	09:40 AM - 09:45 AM	58.5	57.4	12:20 PM - 12:25 PM	57.4	56.2
07:05 AM - 07:10 AM	59.1	58.3	09:45 AM - 09:50 AM	57.8	56.9	12:25 PM - 12:30 PM	57.8	56.1
07:10 AM - 07:15 AM	58.7	57.8	09:50 AM - 09:55 AM	57.4	56.5	12:30 PM - 12:35 PM	58.3	57.6
07:15 AM - 07:20 AM	58.4	57.5	09:55 AM - 10:00 AM	57.2	56.2	12:35 PM - 12:40 PM	58.5	57.8
07:20 AM - 07:25 AM	58.7	57.7	10:00 AM - 10:05 AM	57.8	56.7	12:40 PM - 12:45 PM	59.3	58.4
07:25 AM - 07:30 AM	58.8	57.3	10:05 AM - 10:10 AM	58.7	56.4	12:45 PM - 12:50 PM	58.9	58.2
07:30 AM - 07:35 AM	59.9	58.6	10:10 AM - 10:15 AM	58.5	55.7	12:50 PM - 12:55 PM	59.3	58.6
07:35 AM - 07:40 AM	60.6	59.5	10:15 AM - 10:20 AM	56.4	55.5	12:55 PM - 01:00 PM	59.5	57.6
07:40 AM - 07:45 AM	60.7	59.6	10:20 AM - 10:25 AM	57.1	56.0	01:00 PM - 01:05 PM	58.2	56.9
07:45 AM - 07:50 AM	60.4	59.2	10:25 AM - 10:30 AM	56.8	55.8	01:05 PM - 01:10 PM	56.7	55.8
07:50 AM - 07:55 AM	61.3	59.9	10:30 AM - 10:35 AM	56.6	55.4	01:10 PM - 01:15 PM	57.5	56.5
07:55 AM - 08:00 AM	60.4	59.2	10:35 AM - 10:40 AM	58.2	56.3	01:15 PM - 01:20 PM	58.3	56.7
08:00 AM - 08:05 AM	60.6	59.3	10:40 AM - 10:45 AM	57.1	56.0	01:20 PM - 01:25 PM	57.8	57.1
08:05 AM - 08:10 AM	60.1	58.9	10:45 AM - 10:50 AM	57.7	56.4	01:25 PM - 01:30 PM	58.3	57.5
08:10 AM - 08:15 AM	64.0	58.8	10:50 AM - 10:55 AM	58.0	57.0	01:30 PM - 01:35 PM	59.5	57.7
08:15 AM - 08:20 AM	60.7	59.0	10:55 AM - 11:00 AM	58.3	57.2	01:35 PM - 01:40 PM	58.8	57.7
08:20 AM - 08:25 AM	66.9	59.2	11:00 AM - 11:05 AM	58.4	57.3	01:40 PM - 01:45 PM	59.3	57.8
08:25 AM - 08:30 AM	59.5	58.4	11:05 AM - 11:10 AM	58.3	57.5	01:45 PM - 01:50 PM	57.0	56.1
08:30 AM - 08:35 AM	59.5	58.4	11:10 AM - 11:15 AM	57.9	57.0	01:50 PM - 01:55 PM	57.8	56.7
08:35 AM - 08:40 AM	59.8	58.1	11:15 AM - 11:20 AM	58.4	57.0	01:55 PM - 02:00 PM	57.7	56.6
08:40 AM - 08:45 AM	59.1	57.5	11:20 AM - 11:25 AM	57.6	56.5	02:00 PM - 02:05 PM	58.0	56.8
08:45 AM - 08:50 AM	58.1	57.2	11:25 AM - 11:30 AM	57.4	56.1	02:05 PM - 02:10 PM	57.5	56.7
08:50 AM - 08:55 AM	58.9	57.7	11:30 AM - 11:35 AM	56.8	56.0	02:10 PM - 02:15 PM	57.9	57.0
08:55 AM - 09:00 AM	59.3	58.2	11:35 AM - 11:40 AM	56.1	55.2	02:15 PM - 02:20 PM	57.8	56.4
09:00 AM - 09:05 AM	58.7	57.7	11:40 AM - 11:45 AM	56.2	55.1	02:20 PM - 02:25 PM	57.5	56.1
09:05 AM - 09:10 AM	58.4	57.0	11:45 AM - 11:50 AM	56.7	55.7	02:25 PM - 02:30 PM	57.1	55.8
09:10 AM - 09:15 AM	58.1	56.9	11:50 AM - 11:55 AM	55.8	54.7	02:30 PM - 02:35 PM	58.4	57.3
09:15 AM - 09:20 AM	58.4	57.3	11:55 AM - 12:00 PM	54.8	53.5	02:35 PM - 02:40 PM	57.9	56.7
09:20 AM - 09:25 AM	58.2	57.2	12:00 PM - 12:05 PM	57.7	54.5	02:40 PM - 02:45 PM	59.2	57.3
09:25 AM - 09:30 AM	57.5	56.7	12:05 PM - 12:10 PM	56.3	55.2	02:45 PM - 02:50 PM	58.2	56.9
09:30 AM - 09:35 AM	58.4	57.1	12:10 PM - 12:15 PM	56.0	55.1	02:50 PM - 02:55 PM	57.3	56.4
09:35 AM - 09:40 AM	58.2	57.1	12:15 PM - 12:20 PM	56.0	54.8	02:55 PM - 03:00 PM	57.6	56.9

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509425-1

Page 1 of 3

Sample Number : 22122147-8
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองกระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date : Nov 21 - Nov 22, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 998162

Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	53.0	46.3	04:40 PM - 04:45 PM	51.4	40.1	07:20 PM - 07:25 PM	47.2	44.1
02:05 PM - 02:10 PM	49.5	38.8	04:45 PM - 04:50 PM	49.6	39.1	07:25 PM - 07:30 PM	49.6	43.8
02:10 PM - 02:15 PM	43.8	39.5	04:50 PM - 04:55 PM	45.5	39.8	07:30 PM - 07:35 PM	47.2	43.6
02:15 PM - 02:20 PM	43.7	39.9	04:55 PM - 05:00 PM	45.4	40.4	07:35 PM - 07:40 PM	45.2	43.6
02:20 PM - 02:25 PM	50.3	41.0	05:00 PM - 05:05 PM	47.1	42.6	07:40 PM - 07:45 PM	46.7	43.9
02:25 PM - 02:30 PM	43.7	40.6	05:05 PM - 05:10 PM	46.2	42.3	07:45 PM - 07:50 PM	45.9	44.1
02:30 PM - 02:35 PM	44.2	40.9	05:10 PM - 05:15 PM	49.4	43.3	07:50 PM - 07:55 PM	47.3	43.6
02:35 PM - 02:40 PM	44.9	40.1	05:15 PM - 05:20 PM	47.9	44.0	07:55 PM - 08:00 PM	45.3	43.5
02:40 PM - 02:45 PM	46.6	40.8	05:20 PM - 05:25 PM	48.4	43.2	08:00 PM - 08:05 PM	47.0	44.3
02:45 PM - 02:50 PM	49.7	41.1	05:25 PM - 05:30 PM	47.6	42.3	08:05 PM - 08:10 PM	48.0	44.2
02:50 PM - 02:55 PM	51.4	39.4	05:30 PM - 05:35 PM	52.2	41.8	08:10 PM - 08:15 PM	48.4	44.0
02:55 PM - 03:00 PM	42.2	37.8	05:35 PM - 05:40 PM	52.1	42.3	08:15 PM - 08:20 PM	45.2	43.4
03:00 PM - 03:05 PM	44.6	38.1	05:40 PM - 05:45 PM	46.5	41.5	08:20 PM - 08:25 PM	45.6	42.8
03:05 PM - 03:10 PM	44.2	37.3	05:45 PM - 05:50 PM	46.2	41.6	08:25 PM - 08:30 PM	45.8	42.5
03:10 PM - 03:15 PM	49.7	39.2	05:50 PM - 05:55 PM	50.1	42.5	08:30 PM - 08:35 PM	46.1	42.6
03:15 PM - 03:20 PM	46.2	38.1	05:55 PM - 06:00 PM	53.0	42.7	08:35 PM - 08:40 PM	44.0	42.3
03:20 PM - 03:25 PM	53.4	36.9	06:00 PM - 06:05 PM	46.6	43.4	08:40 PM - 08:45 PM	45.6	42.5
03:25 PM - 03:30 PM	58.5	41.8	06:05 PM - 06:10 PM	47.8	44.8	08:45 PM - 08:50 PM	46.5	42.5
03:30 PM - 03:35 PM	51.9	38.8	06:10 PM - 06:15 PM	46.6	43.9	08:50 PM - 08:55 PM	48.0	42.6
03:35 PM - 03:40 PM	49.7	40.1	06:15 PM - 06:20 PM	47.5	44.1	08:55 PM - 09:00 PM	46.0	42.3
03:40 PM - 03:45 PM	46.2	37.8	06:20 PM - 06:25 PM	49.4	44.5	09:00 PM - 09:05 PM	51.0	42.3
03:45 PM - 03:50 PM	40.8	36.7	06:25 PM - 06:30 PM	50.1	43.8	09:05 PM - 09:10 PM	46.0	43.0
03:50 PM - 03:55 PM	44.7	37.0	06:30 PM - 06:35 PM	53.4	45.9	09:10 PM - 09:15 PM	45.2	42.5
03:55 PM - 04:00 PM	50.2	38.0	06:35 PM - 06:40 PM	53.1	48.9	09:15 PM - 09:20 PM	44.0	42.6
04:00 PM - 04:05 PM	45.2	38.3	06:40 PM - 06:45 PM	54.3	53.0	09:20 PM - 09:25 PM	44.9	42.5
04:05 PM - 04:10 PM	50.1	39.9	06:45 PM - 06:50 PM	46.9	44.9	09:25 PM - 09:30 PM	45.9	42.5
04:10 PM - 04:15 PM	42.9	39.0	06:50 PM - 06:55 PM	46.9	44.8	09:30 PM - 09:35 PM	44.5	42.0
04:15 PM - 04:20 PM	51.0	39.9	06:55 PM - 07:00 PM	46.5	44.8	09:35 PM - 09:40 PM	43.7	42.1
04:20 PM - 04:25 PM	48.9	40.9	07:00 PM - 07:05 PM	46.4	44.3	09:40 PM - 09:45 PM	43.0	42.0
04:25 PM - 04:30 PM	47.1	39.9	07:05 PM - 07:10 PM	48.0	45.0	09:45 PM - 09:50 PM	43.5	42.5
04:30 PM - 04:35 PM	45.2	38.6	07:10 PM - 07:15 PM	46.5	44.6	09:50 PM - 09:55 PM	43.3	41.9
04:35 PM - 04:40 PM	48.1	40.2	07:15 PM - 07:20 PM	47.8	44.2	09:55 PM - 10:00 PM	42.4	41.3

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509425-1

Page 2 of 3

Sample Number 22122147-8
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 21 - Nov 22, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 21 - Nov 22, 2022	Leq	L90	Nov 22, 2022	Leq	L90	Nov 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	42.6	40.9	12:40 AM - 12:45 AM	41.2	39.9	03:20 AM - 03:25 AM	45.2	44.1
10:05 PM - 10:10 PM	42.8	40.7	12:45 AM - 12:50 AM	41.3	39.8	03:25 AM - 03:30 AM	45.3	44.2
10:10 PM - 10:15 PM	43.0	41.5	12:50 AM - 12:55 AM	41.8	40.0	03:30 AM - 03:35 AM	44.8	41.6
10:15 PM - 10:20 PM	43.0	41.5	12:55 AM - 01:00 AM	44.0	40.2	03:35 AM - 03:40 AM	41.1	39.5
10:20 PM - 10:25 PM	43.0	41.6	01:00 AM - 01:05 AM	46.7	43.1	03:40 AM - 03:45 AM	41.2	39.8
10:25 PM - 10:30 PM	43.0	41.9	01:05 AM - 01:10 AM	43.3	40.9	03:45 AM - 03:50 AM	40.9	39.3
10:30 PM - 10:35 PM	42.6	41.4	01:10 AM - 01:15 AM	40.8	39.5	03:50 AM - 03:55 AM	44.3	40.3
10:35 PM - 10:40 PM	43.9	43.0	01:15 AM - 01:20 AM	40.8	39.3	03:55 AM - 04:00 AM	44.8	39.6
10:40 PM - 10:45 PM	44.4	43.3	01:20 AM - 01:25 AM	46.6	40.5	04:00 AM - 04:05 AM	41.1	39.3
10:45 PM - 10:50 PM	45.1	44.0	01:25 AM - 01:30 AM	41.8	39.7	04:05 AM - 04:10 AM	41.1	39.5
10:50 PM - 10:55 PM	44.7	43.2	01:30 AM - 01:35 AM	40.7	39.6	04:10 AM - 04:15 AM	41.4	39.4
10:55 PM - 11:00 PM	43.8	42.0	01:35 AM - 01:40 AM	40.4	39.1	04:15 AM - 04:20 AM	42.2	39.4
11:00 PM - 11:05 PM	42.8	41.2	01:40 AM - 01:45 AM	39.7	38.5	04:20 AM - 04:25 AM	40.3	38.2
11:05 PM - 11:10 PM	42.6	40.9	01:45 AM - 01:50 AM	40.3	39.0	04:25 AM - 04:30 AM	43.4	38.3
11:10 PM - 11:15 PM	43.4	41.7	01:50 AM - 01:55 AM	41.1	39.2	04:30 AM - 04:35 AM	40.7	39.0
11:15 PM - 11:20 PM	43.3	41.1	01:55 AM - 02:00 AM	40.7	39.4	04:35 AM - 04:40 AM	41.3	39.5
11:20 PM - 11:25 PM	42.2	41.0	02:00 AM - 02:05 AM	43.7	39.5	04:40 AM - 04:45 AM	41.2	39.5
11:25 PM - 11:30 PM	43.9	41.0	02:05 AM - 02:10 AM	45.2	44.0	04:45 AM - 04:50 AM	41.3	40.0
11:30 PM - 11:35 PM	41.7	40.5	02:10 AM - 02:15 AM	43.5	39.4	04:50 AM - 04:55 AM	41.2	40.2
11:35 PM - 11:40 PM	42.0	40.6	02:15 AM - 02:20 AM	42.9	41.4	04:55 AM - 05:00 AM	41.8	40.2
11:40 PM - 11:45 PM	42.4	41.0	02:20 AM - 02:25 AM	42.6	41.7	05:00 AM - 05:05 AM	42.3	40.2
11:45 PM - 11:50 PM	41.5	40.8	02:25 AM - 02:30 AM	42.8	42.0	05:05 AM - 05:10 AM	42.9	40.0
11:50 PM - 11:55 PM	43.2	40.9	02:30 AM - 02:35 AM	43.1	41.9	05:10 AM - 05:15 AM	41.4	39.7
11:55 PM - 12:00 AM	42.0	41.2	02:35 AM - 02:40 AM	43.3	41.8	05:15 AM - 05:20 AM	40.6	39.3
12:00 AM - 12:05 AM	43.4	41.7	02:40 AM - 02:45 AM	44.4	42.0	05:20 AM - 05:25 AM	43.7	39.8
12:05 AM - 12:10 AM	43.9	42.3	02:45 AM - 02:50 AM	45.0	43.9	05:25 AM - 05:30 AM	42.6	39.7
12:10 AM - 12:15 AM	42.9	41.1	02:50 AM - 02:55 AM	45.0	43.9	05:30 AM - 05:35 AM	42.1	39.3
12:15 AM - 12:20 AM	42.6	41.4	02:55 AM - 03:00 AM	45.0	43.7	05:35 AM - 05:40 AM	41.9	39.4
12:20 AM - 12:25 AM	43.9	40.6	03:00 AM - 03:05 AM	45.0	43.9	05:40 AM - 05:45 AM	41.8	39.5
12:25 AM - 12:30 AM	42.5	40.2	03:05 AM - 03:10 AM	44.4	42.7	05:45 AM - 05:50 AM	41.4	39.2
12:30 AM - 12:35 AM	43.2	40.1	03:10 AM - 03:15 AM	44.7	43.6	05:50 AM - 05:55 AM	45.3	40.0
12:35 AM - 12:40 AM	41.1	39.8	03:15 AM - 03:20 AM	45.1	43.9	05:55 AM - 06:00 AM	44.5	41.2

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509425-1

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Sample Number : 22122147-8
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date : Nov 21 - Nov 22, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 998162

Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	46.4	40.3	08:40 AM - 08:45 AM	42.3	38.5	11:20 AM - 11:25 AM	43.0	38.6
06:05 AM - 06:10 AM	49.2	42.1	08:45 AM - 08:50 AM	51.5	40.0	11:25 AM - 11:30 AM	49.9	41.0
06:10 AM - 06:15 AM	46.0	40.8	08:50 AM - 08:55 AM	45.9	38.6	11:30 AM - 11:35 AM	46.8	40.6
06:15 AM - 06:20 AM	48.0	41.3	08:55 AM - 09:00 AM	51.4	38.7	11:35 AM - 11:40 AM	45.1	39.0
06:20 AM - 06:25 AM	53.0	41.0	09:00 AM - 09:05 AM	45.0	36.3	11:40 AM - 11:45 AM	45.8	39.4
06:25 AM - 06:30 AM	47.1	41.0	09:05 AM - 09:10 AM	48.2	37.5	11:45 AM - 11:50 AM	49.3	38.9
06:30 AM - 06:35 AM	48.2	40.9	09:10 AM - 09:15 AM	47.6	36.9	11:50 AM - 11:55 AM	45.9	38.0
06:35 AM - 06:40 AM	50.1	41.3	09:15 AM - 09:20 AM	47.2	38.0	11:55 AM - 12:00 PM	50.9	37.4
06:40 AM - 06:45 AM	48.5	40.1	09:20 AM - 09:25 AM	58.4	39.2	12:00 PM - 12:05 PM	45.1	37.5
06:45 AM - 06:50 AM	47.4	41.0	09:25 AM - 09:30 AM	49.0	38.1	12:05 PM - 12:10 PM	41.8	36.3
06:50 AM - 06:55 AM	46.8	40.4	09:30 AM - 09:35 AM	50.3	37.6	12:10 PM - 12:15 PM	39.4	34.2
06:55 AM - 07:00 AM	48.4	43.1	09:35 AM - 09:40 AM	52.7	37.3	12:15 PM - 12:20 PM	43.4	34.6
07:00 AM - 07:05 AM	48.8	42.5	09:40 AM - 09:45 AM	46.3	36.5	12:20 PM - 12:25 PM	46.1	38.8
07:05 AM - 07:10 AM	49.9	41.8	09:45 AM - 09:50 AM	45.6	36.6	12:25 PM - 12:30 PM	44.3	38.3
07:10 AM - 07:15 AM	47.9	43.4	09:50 AM - 09:55 AM	50.3	37.2	12:30 PM - 12:35 PM	40.9	37.0
07:15 AM - 07:20 AM	50.2	42.8	09:55 AM - 10:00 AM	47.3	38.3	12:35 PM - 12:40 PM	50.7	40.4
07:20 AM - 07:25 AM	51.7	42.0	10:00 AM - 10:05 AM	41.9	36.5	12:40 PM - 12:45 PM	46.1	36.5
07:25 AM - 07:30 AM	50.9	44.2	10:05 AM - 10:10 AM	44.2	37.0	12:45 PM - 12:50 PM	42.2	37.7
07:30 AM - 07:35 AM	48.6	43.2	10:10 AM - 10:15 AM	52.5	39.1	12:50 PM - 12:55 PM	47.4	41.6
07:35 AM - 07:40 AM	48.8	41.8	10:15 AM - 10:20 AM	52.5	39.6	12:55 PM - 01:00 PM	56.8	50.3
07:40 AM - 07:45 AM	48.4	41.8	10:20 AM - 10:25 AM	42.7	37.3	01:00 PM - 01:05 PM	42.7	37.7
07:45 AM - 07:50 AM	47.5	41.2	10:25 AM - 10:30 AM	48.1	38.8	01:05 PM - 01:10 PM	39.1	34.1
07:50 AM - 07:55 AM	46.1	38.3	10:30 AM - 10:35 AM	44.8	39.5	01:10 PM - 01:15 PM	44.3	38.3
07:55 AM - 08:00 AM	48.3	40.7	10:35 AM - 10:40 AM	43.9	36.9	01:15 PM - 01:20 PM	44.9	39.1
08:00 AM - 08:05 AM	47.7	39.5	10:40 AM - 10:45 AM	46.8	38.9	01:20 PM - 01:25 PM	43.0	37.8
08:05 AM - 08:10 AM	45.8	38.5	10:45 AM - 10:50 AM	43.8	38.7	01:25 PM - 01:30 PM	50.7	38.0
08:10 AM - 08:15 AM	45.2	39.2	10:50 AM - 10:55 AM	42.2	38.6	01:30 PM - 01:35 PM	45.5	38.7
08:15 AM - 08:20 AM	46.3	40.0	10:55 AM - 11:00 AM	44.9	36.4	01:35 PM - 01:40 PM	40.6	36.1
08:20 AM - 08:25 AM	47.1	40.0	11:00 AM - 11:05 AM	50.2	36.8	01:40 PM - 01:45 PM	48.2	36.9
08:25 AM - 08:30 AM	61.2	40.0	11:05 AM - 11:10 AM	42.7	39.0	01:45 PM - 01:50 PM	44.7	37.4
08:30 AM - 08:35 AM	44.6	37.4	11:10 AM - 11:15 AM	41.0	37.5	01:50 PM - 01:55 PM	44.3	38.6
08:35 AM - 08:40 AM	52.0	40.2	11:15 AM - 11:20 AM	49.6	38.1	01:55 PM - 02:00 PM	49.5	36.0

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509426-1

Page 1 of 3

Sample Number 22122147-9
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองกระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 22 - Nov 23, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	44.4	37.1	04:40 PM - 04:45 PM	52.0	39.1	07:20 PM - 07:25 PM	50.5	44.3
02:05 PM - 02:10 PM	45.2	38.6	04:45 PM - 04:50 PM	52.5	37.2	07:25 PM - 07:30 PM	49.0	43.4
02:10 PM - 02:15 PM	51.4	41.5	04:50 PM - 04:55 PM	44.9	37.4	07:30 PM - 07:35 PM	44.7	42.8
02:15 PM - 02:20 PM	48.5	37.7	04:55 PM - 05:00 PM	46.5	37.5	07:35 PM - 07:40 PM	48.6	42.5
02:20 PM - 02:25 PM	42.0	36.8	05:00 PM - 05:05 PM	46.8	41.8	07:40 PM - 07:45 PM	46.0	42.7
02:25 PM - 02:30 PM	44.9	38.7	05:05 PM - 05:10 PM	46.6	41.9	07:45 PM - 07:50 PM	45.6	43.0
02:30 PM - 02:35 PM	46.8	37.9	05:10 PM - 05:15 PM	47.8	41.0	07:50 PM - 07:55 PM	46.3	43.2
02:35 PM - 02:40 PM	47.2	37.3	05:15 PM - 05:20 PM	47.2	41.0	07:55 PM - 08:00 PM	47.9	43.3
02:40 PM - 02:45 PM	40.5	34.9	05:20 PM - 05:25 PM	47.5	41.5	08:00 PM - 08:05 PM	47.8	44.0
02:45 PM - 02:50 PM	45.6	36.3	05:25 PM - 05:30 PM	44.1	40.4	08:05 PM - 08:10 PM	48.2	44.1
02:50 PM - 02:55 PM	46.2	36.0	05:30 PM - 05:35 PM	48.5	40.3	08:10 PM - 08:15 PM	45.7	42.9
02:55 PM - 03:00 PM	44.5	37.2	05:35 PM - 05:40 PM	43.3	38.2	08:15 PM - 08:20 PM	49.3	43.2
03:00 PM - 03:05 PM	48.3	37.4	05:40 PM - 05:45 PM	48.8	40.4	08:20 PM - 08:25 PM	45.1	42.8
03:05 PM - 03:10 PM	49.7	38.0	05:45 PM - 05:50 PM	46.8	41.6	08:25 PM - 08:30 PM	46.4	40.6
03:10 PM - 03:15 PM	43.4	36.2	05:50 PM - 05:55 PM	46.4	40.2	08:30 PM - 08:35 PM	48.9	41.6
03:15 PM - 03:20 PM	51.1	38.6	05:55 PM - 06:00 PM	48.6	39.2	08:35 PM - 08:40 PM	44.9	42.6
03:20 PM - 03:25 PM	43.3	35.8	06:00 PM - 06:05 PM	48.1	42.4	08:40 PM - 08:45 PM	46.8	42.8
03:25 PM - 03:30 PM	44.6	37.8	06:05 PM - 06:10 PM	51.0	42.7	08:45 PM - 08:50 PM	44.3	42.7
03:30 PM - 03:35 PM	48.0	38.5	06:10 PM - 06:15 PM	46.9	43.1	08:50 PM - 08:55 PM	44.1	42.4
03:35 PM - 03:40 PM	48.9	37.9	06:15 PM - 06:20 PM	45.3	42.4	08:55 PM - 09:00 PM	46.5	41.8
03:40 PM - 03:45 PM	45.4	36.5	06:20 PM - 06:25 PM	47.8	43.1	09:00 PM - 09:05 PM	46.0	42.5
03:45 PM - 03:50 PM	43.0	36.1	06:25 PM - 06:30 PM	48.8	44.0	09:05 PM - 09:10 PM	46.4	45.2
03:50 PM - 03:55 PM	51.2	38.1	06:30 PM - 06:35 PM	49.0	43.8	09:10 PM - 09:15 PM	47.1	45.1
03:55 PM - 04:00 PM	48.3	38.0	06:35 PM - 06:40 PM	46.9	45.5	09:15 PM - 09:20 PM	50.2	46.2
04:00 PM - 04:05 PM	50.9	39.9	06:40 PM - 06:45 PM	50.2	45.5	09:20 PM - 09:25 PM	50.6	46.1
04:05 PM - 04:10 PM	43.5	35.8	06:45 PM - 06:50 PM	47.2	45.4	09:25 PM - 09:30 PM	51.8	45.9
04:10 PM - 04:15 PM	45.1	38.5	06:50 PM - 06:55 PM	47.4	42.9	09:30 PM - 09:35 PM	55.8	55.0
04:15 PM - 04:20 PM	43.4	37.1	06:55 PM - 07:00 PM	46.8	41.5	09:35 PM - 09:40 PM	55.3	54.5
04:20 PM - 04:25 PM	44.0	38.2	07:00 PM - 07:05 PM	44.6	43.1	09:40 PM - 09:45 PM	55.5	54.2
04:25 PM - 04:30 PM	48.1	37.6	07:05 PM - 07:10 PM	44.8	43.1	09:45 PM - 09:50 PM	55.4	54.6
04:30 PM - 04:35 PM	53.0	38.8	07:10 PM - 07:15 PM	48.8	43.3	09:50 PM - 09:55 PM	55.9	55.2
04:35 PM - 04:40 PM	43.8	37.0	07:15 PM - 07:20 PM	45.5	43.3	09:55 PM - 10:00 PM	55.8	55.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509426-1

Page 2 of 3

Sample Number 22122147-9
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 22 - Nov 23, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 22 - Nov 23, 2022	Leq	L90	Nov 23, 2022	Leq	L90	Nov 23, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	53.9	46.1	12:40 AM - 12:45 AM	41.3	39.3	03:20 AM - 03:25 AM	36.7	35.9
10:05 PM - 10:10 PM	53.7	47.0	12:45 AM - 12:50 AM	40.6	38.8	03:25 AM - 03:30 AM	37.5	36.4
10:10 PM - 10:15 PM	55.5	54.1	12:50 AM - 12:55 AM	39.9	38.6	03:30 AM - 03:35 AM	37.2	36.4
10:15 PM - 10:20 PM	55.5	41.8	12:55 AM - 01:00 AM	43.0	38.3	03:35 AM - 03:40 AM	36.8	36.0
10:20 PM - 10:25 PM	56.5	56.0	01:00 AM - 01:05 AM	39.5	38.4	03:40 AM - 03:45 AM	37.3	36.3
10:25 PM - 10:30 PM	56.5	56.0	01:05 AM - 01:10 AM	40.6	38.7	03:45 AM - 03:50 AM	38.6	37.2
10:30 PM - 10:35 PM	57.9	56.3	01:10 AM - 01:15 AM	37.8	37.1	03:50 AM - 03:55 AM	39.1	37.8
10:35 PM - 10:40 PM	58.1	57.6	01:15 AM - 01:20 AM	39.4	36.8	03:55 AM - 04:00 AM	39.7	37.6
10:40 PM - 10:45 PM	55.0	41.9	01:20 AM - 01:25 AM	37.7	36.6	04:00 AM - 04:05 AM	40.0	37.8
10:45 PM - 10:50 PM	44.5	42.6	01:25 AM - 01:30 AM	40.8	38.1	04:05 AM - 04:10 AM	38.9	36.5
10:50 PM - 10:55 PM	45.8	42.2	01:30 AM - 01:35 AM	40.9	39.0	04:10 AM - 04:15 AM	41.4	37.9
10:55 PM - 11:00 PM	44.6	42.1	01:35 AM - 01:40 AM	39.1	38.2	04:15 AM - 04:20 AM	40.9	38.9
11:00 PM - 11:05 PM	56.8	43.7	01:40 AM - 01:45 AM	39.0	38.3	04:20 AM - 04:25 AM	40.2	37.6
11:05 PM - 11:10 PM	43.3	41.6	01:45 AM - 01:50 AM	38.5	37.8	04:25 AM - 04:30 AM	42.1	37.1
11:10 PM - 11:15 PM	43.2	41.4	01:50 AM - 01:55 AM	39.6	37.0	04:30 AM - 04:35 AM	38.7	37.5
11:15 PM - 11:20 PM	42.3	40.6	01:55 AM - 02:00 AM	37.5	36.8	04:35 AM - 04:40 AM	38.6	37.6
11:20 PM - 11:25 PM	43.2	41.6	02:00 AM - 02:05 AM	38.8	36.8	04:40 AM - 04:45 AM	47.2	37.7
11:25 PM - 11:30 PM	43.7	42.0	02:05 AM - 02:10 AM	38.2	36.8	04:45 AM - 04:50 AM	39.6	38.4
11:30 PM - 11:35 PM	42.8	40.9	02:10 AM - 02:15 AM	43.2	36.4	04:50 AM - 04:55 AM	40.1	38.5
11:35 PM - 11:40 PM	42.9	41.4	02:15 AM - 02:20 AM	38.1	36.8	04:55 AM - 05:00 AM	40.2	38.5
11:40 PM - 11:45 PM	43.2	40.1	02:20 AM - 02:25 AM	37.3	36.0	05:00 AM - 05:05 AM	41.0	39.0
11:45 PM - 11:50 PM	46.8	40.2	02:25 AM - 02:30 AM	37.8	36.7	05:05 AM - 05:10 AM	39.9	38.3
11:50 PM - 11:55 PM	43.0	40.0	02:30 AM - 02:35 AM	37.8	37.1	05:10 AM - 05:15 AM	40.1	38.5
11:55 PM - 12:00 AM	42.0	40.0	02:35 AM - 02:40 AM	37.5	36.8	05:15 AM - 05:20 AM	39.4	38.0
12:00 AM - 12:05 AM	41.6	39.9	02:40 AM - 02:45 AM	37.4	36.4	05:20 AM - 05:25 AM	41.8	37.7
12:05 AM - 12:10 AM	42.9	39.9	02:45 AM - 02:50 AM	41.2	35.7	05:25 AM - 05:30 AM	43.6	37.7
12:10 AM - 12:15 AM	41.0	39.6	02:50 AM - 02:55 AM	41.8	36.1	05:30 AM - 05:35 AM	41.0	38.0
12:15 AM - 12:20 AM	42.6	41.0	02:55 AM - 03:00 AM	37.1	35.9	05:35 AM - 05:40 AM	41.4	38.5
12:20 AM - 12:25 AM	42.3	40.5	03:00 AM - 03:05 AM	36.7	36.0	05:40 AM - 05:45 AM	40.4	38.3
12:25 AM - 12:30 AM	41.6	39.9	03:05 AM - 03:10 AM	37.3	36.5	05:45 AM - 05:50 AM	41.7	38.4
12:30 AM - 12:35 AM	41.6	39.4	03:10 AM - 03:15 AM	37.1	35.9	05:50 AM - 05:55 AM	43.1	38.8
12:35 AM - 12:40 AM	40.7	39.5	03:15 AM - 03:20 AM	36.6	35.8	05:55 AM - 06:00 AM	42.2	39.6

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509426-1

Page 3 of 3

Sample Number 22122147-9
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 22 - Nov 23, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	47.3	40.8	08:40 AM - 08:45 AM	40.7	35.4	11:20 AM - 11:25 AM	46.7	36.5
06:05 AM - 06:10 AM	44.0	40.5	08:45 AM - 08:50 AM	41.4	35.7	11:25 AM - 11:30 AM	49.1	36.7
06:10 AM - 06:15 AM	47.0	42.3	08:50 AM - 08:55 AM	43.8	35.2	11:30 AM - 11:35 AM	49.6	37.1
06:15 AM - 06:20 AM	50.7	42.0	08:55 AM - 09:00 AM	49.1	38.5	11:35 AM - 11:40 AM	43.4	35.5
06:20 AM - 06:25 AM	49.0	41.6	09:00 AM - 09:05 AM	47.1	39.0	11:40 AM - 11:45 AM	41.6	35.6
06:25 AM - 06:30 AM	47.4	41.6	09:05 AM - 09:10 AM	48.8	39.4	11:45 AM - 11:50 AM	42.1	35.4
06:30 AM - 06:35 AM	49.3	42.8	09:10 AM - 09:15 AM	52.6	38.8	11:50 AM - 11:55 AM	50.9	37.0
06:35 AM - 06:40 AM	49.0	42.4	09:15 AM - 09:20 AM	46.7	38.4	11:55 AM - 12:00 PM	53.8	39.3
06:40 AM - 06:45 AM	46.9	41.2	09:20 AM - 09:25 AM	43.0	36.0	12:00 PM - 12:05 PM	47.7	38.3
06:45 AM - 06:50 AM	48.3	42.4	09:25 AM - 09:30 AM	43.7	38.2	12:05 PM - 12:10 PM	45.8	36.2
06:50 AM - 06:55 AM	45.8	40.8	09:30 AM - 09:35 AM	45.4	39.1	12:10 PM - 12:15 PM	43.5	36.0
06:55 AM - 07:00 AM	52.1	41.1	09:35 AM - 09:40 AM	52.0	39.4	12:15 PM - 12:20 PM	39.0	35.0
07:00 AM - 07:05 AM	54.4	42.2	09:40 AM - 09:45 AM	57.0	39.8	12:20 PM - 12:25 PM	45.4	35.7
07:05 AM - 07:10 AM	55.3	41.5	09:45 AM - 09:50 AM	47.8	38.5	12:25 PM - 12:30 PM	48.4	35.9
07:10 AM - 07:15 AM	58.9	43.2	09:50 AM - 09:55 AM	49.0	41.0	12:30 PM - 12:35 PM	43.6	37.4
07:15 AM - 07:20 AM	58.1	43.7	09:55 AM - 10:00 AM	45.7	39.4	12:35 PM - 12:40 PM	44.1	34.6
07:20 AM - 07:25 AM	54.8	44.2	10:00 AM - 10:05 AM	49.5	40.0	12:40 PM - 12:45 PM	48.2	35.5
07:25 AM - 07:30 AM	48.8	42.9	10:05 AM - 10:10 AM	43.7	35.4	12:45 PM - 12:50 PM	47.7	37.2
07:30 AM - 07:35 AM	48.7	43.0	10:10 AM - 10:15 AM	53.4	39.4	12:50 PM - 12:55 PM	44.1	36.5
07:35 AM - 07:40 AM	51.7	43.9	10:15 AM - 10:20 AM	51.6	36.8	12:55 PM - 01:00 PM	42.6	32.7
07:40 AM - 07:45 AM	48.8	41.3	10:20 AM - 10:25 AM	48.1	39.2	01:00 PM - 01:05 PM	41.1	34.4
07:45 AM - 07:50 AM	46.5	41.7	10:25 AM - 10:30 AM	44.0	37.8	01:05 PM - 01:10 PM	45.5	33.2
07:50 AM - 07:55 AM	51.6	40.2	10:30 AM - 10:35 AM	46.9	36.9	01:10 PM - 01:15 PM	40.8	33.3
07:55 AM - 08:00 AM	43.0	38.7	10:35 AM - 10:40 AM	46.1	38.2	01:15 PM - 01:20 PM	49.4	34.8
08:00 AM - 08:05 AM	50.6	40.9	10:40 AM - 10:45 AM	48.1	36.8	01:20 PM - 01:25 PM	41.3	34.1
08:05 AM - 08:10 AM	46.0	38.8	10:45 AM - 10:50 AM	43.0	33.9	01:25 PM - 01:30 PM	41.8	33.5
08:10 AM - 08:15 AM	47.7	40.3	10:50 AM - 10:55 AM	42.4	36.9	01:30 PM - 01:35 PM	44.0	35.2
08:15 AM - 08:20 AM	46.9	38.9	10:55 AM - 11:00 AM	50.5	38.5	01:35 PM - 01:40 PM	39.8	33.1
08:20 AM - 08:25 AM	48.7	39.7	11:00 AM - 11:05 AM	43.4	36.9	01:40 PM - 01:45 PM	41.7	33.4
08:25 AM - 08:30 AM	46.0	39.6	11:05 AM - 11:10 AM	44.2	35.3	01:45 PM - 01:50 PM	43.2	34.4
08:30 AM - 08:35 AM	45.9	38.0	11:10 AM - 11:15 AM	46.9	36.6	01:50 PM - 01:55 PM	44.9	35.8
08:35 AM - 08:40 AM	43.3	37.1	11:15 AM - 11:20 AM	42.9	35.4	01:55 PM - 02:00 PM	47.0	35.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509427-1

Page 1 of 3

Sample Number 22122147-10
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองกระเทียม 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 23 - Nov 24, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	48.7	36.4	04:40 PM - 04:45 PM	48.1	40.2	07:20 PM - 07:25 PM	47.4	41.1
02:05 PM - 02:10 PM	49.6	36.2	04:45 PM - 04:50 PM	46.9	39.6	07:25 PM - 07:30 PM	44.4	40.0
02:10 PM - 02:15 PM	41.1	35.5	04:50 PM - 04:55 PM	48.0	39.1	07:30 PM - 07:35 PM	49.1	40.0
02:15 PM - 02:20 PM	40.6	33.9	04:55 PM - 05:00 PM	48.3	40.6	07:35 PM - 07:40 PM	51.1	39.9
02:20 PM - 02:25 PM	43.4	35.1	05:00 PM - 05:05 PM	48.5	41.0	07:40 PM - 07:45 PM	45.7	39.3
02:25 PM - 02:30 PM	50.8	36.3	05:05 PM - 05:10 PM	49.6	43.8	07:45 PM - 07:50 PM	46.6	39.3
02:30 PM - 02:35 PM	48.8	36.6	05:10 PM - 05:15 PM	47.1	43.4	07:50 PM - 07:55 PM	46.2	39.4
02:35 PM - 02:40 PM	44.0	36.0	05:15 PM - 05:20 PM	43.7	40.7	07:55 PM - 08:00 PM	43.7	39.7
02:40 PM - 02:45 PM	46.1	37.2	05:20 PM - 05:25 PM	46.9	40.6	08:00 PM - 08:05 PM	47.0	42.5
02:45 PM - 02:50 PM	48.1	37.0	05:25 PM - 05:30 PM	47.3	41.3	08:05 PM - 08:10 PM	44.6	40.4
02:50 PM - 02:55 PM	46.3	34.9	05:30 PM - 05:35 PM	45.5	40.5	08:10 PM - 08:15 PM	44.5	40.1
02:55 PM - 03:00 PM	44.3	36.5	05:35 PM - 05:40 PM	47.2	39.2	08:15 PM - 08:20 PM	43.9	40.1
03:00 PM - 03:05 PM	48.9	36.9	05:40 PM - 05:45 PM	46.0	40.5	08:20 PM - 08:25 PM	49.1	39.8
03:05 PM - 03:10 PM	50.7	40.7	05:45 PM - 05:50 PM	43.9	38.7	08:25 PM - 08:30 PM	45.5	39.1
03:10 PM - 03:15 PM	49.2	42.4	05:50 PM - 05:55 PM	47.8	39.6	08:30 PM - 08:35 PM	45.3	39.5
03:15 PM - 03:20 PM	51.6	42.5	05:55 PM - 06:00 PM	46.8	40.1	08:35 PM - 08:40 PM	41.8	39.3
03:20 PM - 03:25 PM	46.5	41.3	06:00 PM - 06:05 PM	51.9	41.3	08:40 PM - 08:45 PM	42.7	39.7
03:25 PM - 03:30 PM	44.3	38.7	06:05 PM - 06:10 PM	45.7	41.6	08:45 PM - 08:50 PM	44.4	39.7
03:30 PM - 03:35 PM	49.1	39.6	06:10 PM - 06:15 PM	47.0	42.1	08:50 PM - 08:55 PM	41.3	39.2
03:35 PM - 03:40 PM	46.2	39.6	06:15 PM - 06:20 PM	47.3	41.4	08:55 PM - 09:00 PM	41.7	39.4
03:40 PM - 03:45 PM	42.6	38.5	06:20 PM - 06:25 PM	50.4	43.1	09:00 PM - 09:05 PM	43.0	39.3
03:45 PM - 03:50 PM	52.3	40.0	06:25 PM - 06:30 PM	45.6	42.3	09:05 PM - 09:10 PM	43.3	39.2
03:50 PM - 03:55 PM	56.8	44.5	06:30 PM - 06:35 PM	46.9	44.9	09:10 PM - 09:15 PM	42.5	39.8
03:55 PM - 04:00 PM	51.3	43.1	06:35 PM - 06:40 PM	47.7	46.8	09:15 PM - 09:20 PM	40.8	38.7
04:00 PM - 04:05 PM	47.0	41.3	06:40 PM - 06:45 PM	48.5	45.7	09:20 PM - 09:25 PM	41.2	38.6
04:05 PM - 04:10 PM	49.2	41.0	06:45 PM - 06:50 PM	49.1	46.0	09:25 PM - 09:30 PM	41.3	38.6
04:10 PM - 04:15 PM	47.4	41.1	06:50 PM - 06:55 PM	48.9	47.6	09:30 PM - 09:35 PM	41.0	39.6
04:15 PM - 04:20 PM	53.4	42.0	06:55 PM - 07:00 PM	48.8	47.3	09:35 PM - 09:40 PM	41.1	39.9
04:20 PM - 04:25 PM	49.8	39.5	07:00 PM - 07:05 PM	48.3	46.1	09:40 PM - 09:45 PM	42.3	39.4
04:25 PM - 04:30 PM	50.1	39.5	07:05 PM - 07:10 PM	47.5	44.0	09:45 PM - 09:50 PM	39.9	38.2
04:30 PM - 04:35 PM	46.8	39.6	07:10 PM - 07:15 PM	47.9	44.2	09:50 PM - 09:55 PM	40.9	38.0
04:35 PM - 04:40 PM	55.4	42.7	07:15 PM - 07:20 PM	47.7	43.1	09:55 PM - 10:00 PM	41.0	38.7

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509427-1

Page 2 of 3

Sample Number : 22122147-10
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date : Nov 23 - Nov 24, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 998162

Nov 23 - Nov 24, 2022	Leq	L90	Nov 24, 2022	Leq	L90	Nov 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	52.8	38.8	12:40 AM - 12:45 AM	37.3	36.4	03:20 AM - 03:25 AM	47.5	39.1
10:05 PM - 10:10 PM	40.3	38.4	12:45 AM - 12:50 AM	37.9	35.8	03:25 AM - 03:30 AM	51.0	47.2
10:10 PM - 10:15 PM	41.3	38.7	12:50 AM - 12:55 AM	36.5	35.7	03:30 AM - 03:35 AM	49.1	46.9
10:15 PM - 10:20 PM	41.0	38.7	12:55 AM - 01:00 AM	36.8	35.9	03:35 AM - 03:40 AM	44.9	41.8
10:20 PM - 10:25 PM	39.7	38.6	01:00 AM - 01:05 AM	39.3	35.6	03:40 AM - 03:45 AM	45.4	43.4
10:25 PM - 10:30 PM	39.9	38.2	01:05 AM - 01:10 AM	38.0	36.2	03:45 AM - 03:50 AM	46.1	42.4
10:30 PM - 10:35 PM	42.2	38.6	01:10 AM - 01:15 AM	36.4	35.6	03:50 AM - 03:55 AM	41.3	38.4
10:35 PM - 10:40 PM	42.9	38.8	01:15 AM - 01:20 AM	36.7	36.0	03:55 AM - 04:00 AM	43.0	39.8
10:40 PM - 10:45 PM	40.4	38.6	01:20 AM - 01:25 AM	36.6	35.6	04:00 AM - 04:05 AM	43.5	39.2
10:45 PM - 10:50 PM	45.2	38.2	01:25 AM - 01:30 AM	36.7	35.7	04:05 AM - 04:10 AM	39.3	37.7
10:50 PM - 10:55 PM	41.5	38.0	01:30 AM - 01:35 AM	37.4	36.5	04:10 AM - 04:15 AM	44.4	38.5
10:55 PM - 11:00 PM	39.7	38.0	01:35 AM - 01:40 AM	38.5	36.9	04:15 AM - 04:20 AM	41.7	39.0
11:00 PM - 11:05 PM	41.8	38.0	01:40 AM - 01:45 AM	37.4	36.6	04:20 AM - 04:25 AM	40.9	38.7
11:05 PM - 11:10 PM	41.5	38.5	01:45 AM - 01:50 AM	37.6	36.1	04:25 AM - 04:30 AM	39.8	38.3
11:10 PM - 11:15 PM	42.3	38.7	01:50 AM - 01:55 AM	37.6	36.6	04:30 AM - 04:35 AM	41.2	39.8
11:15 PM - 11:20 PM	39.5	37.9	01:55 AM - 02:00 AM	37.4	36.6	04:35 AM - 04:40 AM	41.1	39.6
11:20 PM - 11:25 PM	39.3	37.1	02:00 AM - 02:05 AM	38.8	36.9	04:40 AM - 04:45 AM	41.6	39.9
11:25 PM - 11:30 PM	37.6	36.8	02:05 AM - 02:10 AM	37.9	36.9	04:45 AM - 04:50 AM	43.4	39.4
11:30 PM - 11:35 PM	40.7	36.8	02:10 AM - 02:15 AM	39.6	36.9	04:50 AM - 04:55 AM	41.4	39.7
11:35 PM - 11:40 PM	39.2	37.1	02:15 AM - 02:20 AM	40.0	37.2	04:55 AM - 05:00 AM	40.7	39.4
11:40 PM - 11:45 PM	38.3	36.9	02:20 AM - 02:25 AM	37.4	36.6	05:00 AM - 05:05 AM	48.4	40.0
11:45 PM - 11:50 PM	43.7	36.9	02:25 AM - 02:30 AM	37.0	36.0	05:05 AM - 05:10 AM	41.5	39.8
11:50 PM - 11:55 PM	39.0	36.7	02:30 AM - 02:35 AM	36.8	35.9	05:10 AM - 05:15 AM	43.4	39.3
11:55 PM - 12:00 AM	37.9	36.9	02:35 AM - 02:40 AM	37.3	36.1	05:15 AM - 05:20 AM	41.8	40.4
12:00 AM - 12:05 AM	39.2	37.1	02:40 AM - 02:45 AM	38.2	37.1	05:20 AM - 05:25 AM	44.9	43.2
12:05 AM - 12:10 AM	40.0	37.3	02:45 AM - 02:50 AM	37.3	36.5	05:25 AM - 05:30 AM	48.6	44.1
12:10 AM - 12:15 AM	40.1	37.9	02:50 AM - 02:55 AM	37.0	36.1	05:30 AM - 05:35 AM	49.2	45.8
12:15 AM - 12:20 AM	39.7	37.1	02:55 AM - 03:00 AM	38.1	36.8	05:35 AM - 05:40 AM	50.1	49.0
12:20 AM - 12:25 AM	38.9	36.8	03:00 AM - 03:05 AM	39.8	35.2	05:40 AM - 05:45 AM	46.7	45.0
12:25 AM - 12:30 AM	42.7	38.1	03:05 AM - 03:10 AM	44.6	35.6	05:45 AM - 05:50 AM	45.3	43.4
12:30 AM - 12:35 AM	39.9	37.1	03:10 AM - 03:15 AM	47.4	44.6	05:50 AM - 05:55 AM	50.2	43.7
12:35 AM - 12:40 AM	38.2	36.8	03:15 AM - 03:20 AM	49.1	41.5	05:55 AM - 06:00 AM	58.4	47.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509427-1

Page 3 of 3

Sample Number : 22122147-10
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date : Nov 23 - Nov 24, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 998162

Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	62.2	56.3	08:40 AM - 08:45 AM	46.9	40.6	11:20 AM - 11:25 AM	46.0	37.4
06:05 AM - 06:10 AM	62.6	56.2	08:45 AM - 08:50 AM	45.6	39.2	11:25 AM - 11:30 AM	41.9	37.4
06:10 AM - 06:15 AM	61.0	56.2	08:50 AM - 08:55 AM	48.0	38.9	11:30 AM - 11:35 AM	42.2	35.9
06:15 AM - 06:20 AM	64.0	56.1	08:55 AM - 09:00 AM	49.6	39.4	11:35 AM - 11:40 AM	44.3	36.8
06:20 AM - 06:25 AM	59.7	57.4	09:00 AM - 09:05 AM	44.1	38.0	11:40 AM - 11:45 AM	47.9	38.9
06:25 AM - 06:30 AM	60.8	55.0	09:05 AM - 09:10 AM	47.3	38.8	11:45 AM - 11:50 AM	45.5	41.1
06:30 AM - 06:35 AM	59.3	52.9	09:10 AM - 09:15 AM	46.4	39.3	11:50 AM - 11:55 AM	51.3	41.6
06:35 AM - 06:40 AM	55.2	51.1	09:15 AM - 09:20 AM	47.0	38.3	11:55 AM - 12:00 PM	51.0	40.5
06:40 AM - 06:45 AM	55.9	48.9	09:20 AM - 09:25 AM	47.4	39.3	12:00 PM - 12:05 PM	47.7	37.5
06:45 AM - 06:50 AM	51.6	49.3	09:25 AM - 09:30 AM	48.7	40.0	12:05 PM - 12:10 PM	46.0	39.3
06:50 AM - 06:55 AM	53.8	51.8	09:30 AM - 09:35 AM	44.4	38.7	12:10 PM - 12:15 PM	51.6	38.3
06:55 AM - 07:00 AM	56.9	53.8	09:35 AM - 09:40 AM	44.1	37.2	12:15 PM - 12:20 PM	43.0	36.3
07:00 AM - 07:05 AM	57.2	54.6	09:40 AM - 09:45 AM	49.5	36.7	12:20 PM - 12:25 PM	43.7	36.9
07:05 AM - 07:10 AM	57.4	54.6	09:45 AM - 09:50 AM	45.2	38.0	12:25 PM - 12:30 PM	43.1	35.2
07:10 AM - 07:15 AM	58.9	54.2	09:50 AM - 09:55 AM	46.4	37.0	12:30 PM - 12:35 PM	41.8	36.7
07:15 AM - 07:20 AM	60.9	50.1	09:55 AM - 10:00 AM	44.8	38.4	12:35 PM - 12:40 PM	46.0	36.8
07:20 AM - 07:25 AM	51.6	46.9	10:00 AM - 10:05 AM	49.3	38.1	12:40 PM - 12:45 PM	43.4	34.9
07:25 AM - 07:30 AM	53.9	47.7	10:05 AM - 10:10 AM	55.9	40.6	12:45 PM - 12:50 PM	52.3	35.8
07:30 AM - 07:35 AM	53.2	46.3	10:10 AM - 10:15 AM	46.0	37.0	12:50 PM - 12:55 PM	46.8	38.0
07:35 AM - 07:40 AM	51.4	46.7	10:15 AM - 10:20 AM	45.8	36.9	12:55 PM - 01:00 PM	44.0	36.4
07:40 AM - 07:45 AM	50.1	43.9	10:20 AM - 10:25 AM	41.9	35.9	01:00 PM - 01:05 PM	51.3	36.4
07:45 AM - 07:50 AM	49.7	44.2	10:25 AM - 10:30 AM	43.2	37.8	01:05 PM - 01:10 PM	39.5	35.2
07:50 AM - 07:55 AM	49.6	40.7	10:30 AM - 10:35 AM	42.1	36.5	01:10 PM - 01:15 PM	40.9	36.6
07:55 AM - 08:00 AM	49.4	41.6	10:35 AM - 10:40 AM	41.9	36.9	01:15 PM - 01:20 PM	44.1	35.6
08:00 AM - 08:05 AM	49.8	39.3	10:40 AM - 10:45 AM	48.2	37.5	01:20 PM - 01:25 PM	45.0	37.3
08:05 AM - 08:10 AM	49.9	40.7	10:45 AM - 10:50 AM	40.1	36.0	01:25 PM - 01:30 PM	43.1	36.0
08:10 AM - 08:15 AM	49.1	40.5	10:50 AM - 10:55 AM	48.3	37.6	01:30 PM - 01:35 PM	44.8	37.5
08:15 AM - 08:20 AM	44.2	39.0	10:55 AM - 11:00 AM	44.5	39.6	01:35 PM - 01:40 PM	44.1	37.9
08:20 AM - 08:25 AM	50.9	40.1	11:00 AM - 11:05 AM	45.2	38.4	01:40 PM - 01:45 PM	44.1	36.5
08:25 AM - 08:30 AM	45.7	39.5	11:05 AM - 11:10 AM	45.5	38.9	01:45 PM - 01:50 PM	45.8	37.1
08:30 AM - 08:35 AM	52.6	39.7	11:10 AM - 11:15 AM	43.9	40.1	01:50 PM - 01:55 PM	43.0	36.9
08:35 AM - 08:40 AM	51.0	41.0	11:15 AM - 11:20 AM	50.4	38.9	01:55 PM - 02:00 PM	44.0	36.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509428-1

Page 1 of 3

Sample Number 22122147-11
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเวียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 24 - Nov 25, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	43.3	36.9	04:40 PM - 04:45 PM	42.9	38.5	07:20 PM - 07:25 PM	47.6	44.6
02:05 PM - 02:10 PM	47.3	37.9	04:45 PM - 04:50 PM	50.7	39.8	07:25 PM - 07:30 PM	48.2	44.2
02:10 PM - 02:15 PM	46.7	36.8	04:50 PM - 04:55 PM	50.5	42.6	07:30 PM - 07:35 PM	48.9	44.7
02:15 PM - 02:20 PM	45.9	37.5	04:55 PM - 05:00 PM	51.0	43.1	07:35 PM - 07:40 PM	52.3	47.3
02:20 PM - 02:25 PM	43.8	37.3	05:00 PM - 05:05 PM	52.3	43.1	07:40 PM - 07:45 PM	50.4	48.6
02:25 PM - 02:30 PM	46.0	38.4	05:05 PM - 05:10 PM	50.0	42.8	07:45 PM - 07:50 PM	49.5	47.9
02:30 PM - 02:35 PM	44.7	36.3	05:10 PM - 05:15 PM	48.0	44.5	07:50 PM - 07:55 PM	49.7	48.0
02:35 PM - 02:40 PM	44.5	36.1	05:15 PM - 05:20 PM	50.1	42.3	07:55 PM - 08:00 PM	50.0	48.3
02:40 PM - 02:45 PM	41.6	36.4	05:20 PM - 05:25 PM	48.4	43.5	08:00 PM - 08:05 PM	50.9	48.6
02:45 PM - 02:50 PM	43.8	36.4	05:25 PM - 05:30 PM	51.2	43.4	08:05 PM - 08:10 PM	51.7	46.3
02:50 PM - 02:55 PM	45.5	37.3	05:30 PM - 05:35 PM	47.3	42.5	08:10 PM - 08:15 PM	48.4	45.0
02:55 PM - 03:00 PM	43.4	38.6	05:35 PM - 05:40 PM	45.8	40.6	08:15 PM - 08:20 PM	47.8	44.7
03:00 PM - 03:05 PM	50.0	38.3	05:40 PM - 05:45 PM	48.3	41.9	08:20 PM - 08:25 PM	50.2	46.1
03:05 PM - 03:10 PM	45.3	37.1	05:45 PM - 05:50 PM	44.3	40.2	08:25 PM - 08:30 PM	50.1	48.2
03:10 PM - 03:15 PM	41.6	35.9	05:50 PM - 05:55 PM	48.0	41.4	08:30 PM - 08:35 PM	50.5	48.3
03:15 PM - 03:20 PM	50.7	45.3	05:55 PM - 06:00 PM	50.1	41.1	08:35 PM - 08:40 PM	49.3	47.5
03:20 PM - 03:25 PM	46.8	40.5	06:00 PM - 06:05 PM	48.3	41.6	08:40 PM - 08:45 PM	50.0	48.0
03:25 PM - 03:30 PM	49.5	41.5	06:05 PM - 06:10 PM	45.4	43.0	08:45 PM - 08:50 PM	49.6	47.4
03:30 PM - 03:35 PM	47.0	40.3	06:10 PM - 06:15 PM	46.4	43.3	08:50 PM - 08:55 PM	48.7	47.7
03:35 PM - 03:40 PM	51.5	39.5	06:15 PM - 06:20 PM	48.4	43.1	08:55 PM - 09:00 PM	48.5	47.1
03:40 PM - 03:45 PM	49.8	40.0	06:20 PM - 06:25 PM	47.6	42.4	09:00 PM - 09:05 PM	48.5	47.9
03:45 PM - 03:50 PM	51.7	42.3	06:25 PM - 06:30 PM	49.9	45.5	09:05 PM - 09:10 PM	48.4	47.8
03:50 PM - 03:55 PM	46.0	40.4	06:30 PM - 06:35 PM	51.8	46.4	09:10 PM - 09:15 PM	48.9	47.9
03:55 PM - 04:00 PM	49.5	43.7	06:35 PM - 06:40 PM	50.4	46.0	09:15 PM - 09:20 PM	48.7	47.6
04:00 PM - 04:05 PM	47.0	43.5	06:40 PM - 06:45 PM	49.4	45.4	09:20 PM - 09:25 PM	48.0	47.0
04:05 PM - 04:10 PM	51.7	42.3	06:45 PM - 06:50 PM	55.1	44.8	09:25 PM - 09:30 PM	49.8	47.7
04:10 PM - 04:15 PM	47.9	40.0	06:50 PM - 06:55 PM	48.1	44.5	09:30 PM - 09:35 PM	48.4	47.6
04:15 PM - 04:20 PM	47.1	40.6	06:55 PM - 07:00 PM	49.8	45.2	09:35 PM - 09:40 PM	48.3	47.3
04:20 PM - 04:25 PM	53.2	38.0	07:00 PM - 07:05 PM	48.0	44.1	09:40 PM - 09:45 PM	48.4	47.2
04:25 PM - 04:30 PM	44.1	38.0	07:05 PM - 07:10 PM	48.0	44.2	09:45 PM - 09:50 PM	48.7	47.5
04:30 PM - 04:35 PM	47.0	40.5	07:10 PM - 07:15 PM	47.5	44.3	09:50 PM - 09:55 PM	49.0	47.4
04:35 PM - 04:40 PM	44.0	38.6	07:15 PM - 07:20 PM	48.7	44.9	09:55 PM - 10:00 PM	48.1	47.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509428-1

Page 2 of 3

Sample Number 22122147-11
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองกระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 24 - Nov 25, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 24 - Nov 25, 2022	Leq	L90	Nov 25, 2022	Leq	L90	Nov 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	48.0	47.3	12:40 AM - 12:45 AM	47.7	47.3	03:20 AM - 03:25 AM	46.6	46.0
10:05 PM - 10:10 PM	48.2	47.2	12:45 AM - 12:50 AM	48.3	46.9	03:25 AM - 03:30 AM	46.9	46.2
10:10 PM - 10:15 PM	48.0	47.1	12:50 AM - 12:55 AM	47.6	47.0	03:30 AM - 03:35 AM	46.8	46.1
10:15 PM - 10:20 PM	48.1	47.2	12:55 AM - 01:00 AM	47.6	47.1	03:35 AM - 03:40 AM	46.8	46.3
10:20 PM - 10:25 PM	47.8	46.8	01:00 AM - 01:05 AM	47.7	47.0	03:40 AM - 03:45 AM	46.6	46.0
10:25 PM - 10:30 PM	49.2	47.5	01:05 AM - 01:10 AM	47.2	46.7	03:45 AM - 03:50 AM	46.6	45.9
10:30 PM - 10:35 PM	47.8	47.0	01:10 AM - 01:15 AM	47.3	46.8	03:50 AM - 03:55 AM	47.0	46.4
10:35 PM - 10:40 PM	48.1	47.3	01:15 AM - 01:20 AM	47.7	47.1	03:55 AM - 04:00 AM	47.0	46.4
10:40 PM - 10:45 PM	47.9	47.1	01:20 AM - 01:25 AM	47.5	47.0	04:00 AM - 04:05 AM	46.6	44.3
10:45 PM - 10:50 PM	48.0	47.1	01:25 AM - 01:30 AM	47.4	46.9	04:05 AM - 04:10 AM	46.7	46.0
10:50 PM - 10:55 PM	48.3	46.8	01:30 AM - 01:35 AM	44.8	38.8	04:10 AM - 04:15 AM	47.0	46.5
10:55 PM - 11:00 PM	47.4	46.8	01:35 AM - 01:40 AM	41.7	39.6	04:15 AM - 04:20 AM	47.3	46.7
11:00 PM - 11:05 PM	47.5	46.8	01:40 AM - 01:45 AM	42.5	41.1	04:20 AM - 04:25 AM	47.5	46.9
11:05 PM - 11:10 PM	47.7	47.0	01:45 AM - 01:50 AM	45.1	41.8	04:25 AM - 04:30 AM	49.5	46.7
11:10 PM - 11:15 PM	47.7	47.0	01:50 AM - 01:55 AM	47.7	46.9	04:30 AM - 04:35 AM	46.9	46.1
11:15 PM - 11:20 PM	47.3	46.5	01:55 AM - 02:00 AM	47.0	46.5	04:35 AM - 04:40 AM	48.9	46.0
11:20 PM - 11:25 PM	48.1	47.0	02:00 AM - 02:05 AM	46.8	46.3	04:40 AM - 04:45 AM	46.6	46.0
11:25 PM - 11:30 PM	47.5	46.7	02:05 AM - 02:10 AM	46.7	46.3	04:45 AM - 04:50 AM	46.8	46.2
11:30 PM - 11:35 PM	47.8	46.8	02:10 AM - 02:15 AM	46.9	46.5	04:50 AM - 04:55 AM	46.8	46.3
11:35 PM - 11:40 PM	47.5	46.9	02:15 AM - 02:20 AM	47.5	46.4	04:55 AM - 05:00 AM	48.3	46.4
11:40 PM - 11:45 PM	47.2	46.5	02:20 AM - 02:25 AM	47.0	46.5	05:00 AM - 05:05 AM	47.3	46.3
11:45 PM - 11:50 PM	48.6	46.9	02:25 AM - 02:30 AM	46.7	46.0	05:05 AM - 05:10 AM	49.9	46.0
11:50 PM - 11:55 PM	47.4	46.8	02:30 AM - 02:35 AM	46.8	46.3	05:10 AM - 05:15 AM	41.1	38.9
11:55 PM - 12:00 AM	47.6	47.1	02:35 AM - 02:40 AM	47.7	47.1	05:15 AM - 05:20 AM	42.5	38.5
12:00 AM - 12:05 AM	48.2	47.5	02:40 AM - 02:45 AM	47.3	46.5	05:20 AM - 05:25 AM	45.4	38.4
12:05 AM - 12:10 AM	47.5	46.7	02:45 AM - 02:50 AM	47.2	46.5	05:25 AM - 05:30 AM	42.6	38.6
12:10 AM - 12:15 AM	47.6	47.0	02:50 AM - 02:55 AM	47.0	46.4	05:30 AM - 05:35 AM	43.6	38.1
12:15 AM - 12:20 AM	48.2	47.3	02:55 AM - 03:00 AM	47.1	46.4	05:35 AM - 05:40 AM	40.2	38.0
12:20 AM - 12:25 AM	48.6	47.3	03:00 AM - 03:05 AM	47.0	46.5	05:40 AM - 05:45 AM	40.1	38.1
12:25 AM - 12:30 AM	47.4	46.9	03:05 AM - 03:10 AM	47.0	46.5	05:45 AM - 05:50 AM	41.3	38.5
12:30 AM - 12:35 AM	48.2	47.3	03:10 AM - 03:15 AM	47.3	46.5	05:50 AM - 05:55 AM	43.0	39.6
12:35 AM - 12:40 AM	47.7	47.1	03:15 AM - 03:20 AM	47.1	46.5	05:55 AM - 06:00 AM	44.0	39.5

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509428-1

Page 3 of 3

Sample Number 22122147-11
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 24 - Nov 25, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	47.2	39.8	08:40 AM - 08:45 AM	45.5	38.5	11:20 AM - 11:25 AM	46.2	39.1
06:05 AM - 06:10 AM	47.3	40.6	08:45 AM - 08:50 AM	48.0	40.2	11:25 AM - 11:30 AM	54.1	40.0
06:10 AM - 06:15 AM	47.5	40.8	08:50 AM - 08:55 AM	43.4	40.0	11:30 AM - 11:35 AM	49.0	37.7
06:15 AM - 06:20 AM	48.5	41.2	08:55 AM - 09:00 AM	48.2	39.7	11:35 AM - 11:40 AM	44.7	38.5
06:20 AM - 06:25 AM	52.9	43.0	09:00 AM - 09:05 AM	45.5	37.8	11:40 AM - 11:45 AM	40.4	35.9
06:25 AM - 06:30 AM	48.2	41.6	09:05 AM - 09:10 AM	47.0	36.1	11:45 AM - 11:50 AM	44.6	37.2
06:30 AM - 06:35 AM	47.8	40.4	09:10 AM - 09:15 AM	48.7	37.2	11:50 AM - 11:55 AM	43.5	37.5
06:35 AM - 06:40 AM	47.6	40.3	09:15 AM - 09:20 AM	43.7	38.3	11:55 AM - 12:00 PM	49.3	37.5
06:40 AM - 06:45 AM	49.6	40.1	09:20 AM - 09:25 AM	44.8	38.3	12:00 PM - 12:05 PM	43.5	36.5
06:45 AM - 06:50 AM	51.0	42.0	09:25 AM - 09:30 AM	45.8	40.0	12:05 PM - 12:10 PM	45.0	37.6
06:50 AM - 06:55 AM	45.1	37.8	09:30 AM - 09:35 AM	52.4	39.6	12:10 PM - 12:15 PM	45.7	36.7
06:55 AM - 07:00 AM	46.1	39.7	09:35 AM - 09:40 AM	53.2	38.0	12:15 PM - 12:20 PM	43.3	38.1
07:00 AM - 07:05 AM	47.4	41.5	09:40 AM - 09:45 AM	45.2	38.8	12:20 PM - 12:25 PM	49.6	39.9
07:05 AM - 07:10 AM	47.1	41.3	09:45 AM - 09:50 AM	46.7	37.1	12:25 PM - 12:30 PM	43.0	36.9
07:10 AM - 07:15 AM	51.6	42.0	09:50 AM - 09:55 AM	42.7	37.4	12:30 PM - 12:35 PM	42.8	36.7
07:15 AM - 07:20 AM	52.0	42.5	09:55 AM - 10:00 AM	44.6	39.1	12:35 PM - 12:40 PM	41.3	35.6
07:20 AM - 07:25 AM	50.1	43.3	10:00 AM - 10:05 AM	45.4	37.9	12:40 PM - 12:45 PM	45.5	36.8
07:25 AM - 07:30 AM	50.8	43.2	10:05 AM - 10:10 AM	47.6	39.2	12:45 PM - 12:50 PM	48.0	37.1
07:30 AM - 07:35 AM	51.1	45.6	10:10 AM - 10:15 AM	44.4	38.3	12:50 PM - 12:55 PM	47.5	36.1
07:35 AM - 07:40 AM	50.3	44.6	10:15 AM - 10:20 AM	46.5	38.5	12:55 PM - 01:00 PM	44.3	36.9
07:40 AM - 07:45 AM	47.8	41.8	10:20 AM - 10:25 AM	42.4	35.6	01:00 PM - 01:05 PM	42.8	37.9
07:45 AM - 07:50 AM	49.7	42.6	10:25 AM - 10:30 AM	43.3	37.1	01:05 PM - 01:10 PM	43.0	35.9
07:50 AM - 07:55 AM	51.7	41.4	10:30 AM - 10:35 AM	46.9	37.8	01:10 PM - 01:15 PM	45.7	37.4
07:55 AM - 08:00 AM	52.4	43.0	10:35 AM - 10:40 AM	51.4	39.8	01:15 PM - 01:20 PM	44.8	36.0
08:00 AM - 08:05 AM	52.7	40.9	10:40 AM - 10:45 AM	41.0	37.1	01:20 PM - 01:25 PM	41.2	35.9
08:05 AM - 08:10 AM	49.4	42.6	10:45 AM - 10:50 AM	42.6	36.9	01:25 PM - 01:30 PM	45.8	38.0
08:10 AM - 08:15 AM	47.9	41.7	10:50 AM - 10:55 AM	45.9	35.3	01:30 PM - 01:35 PM	44.6	37.7
08:15 AM - 08:20 AM	45.2	39.3	10:55 AM - 11:00 AM	43.3	37.7	01:35 PM - 01:40 PM	44.1	35.8
08:20 AM - 08:25 AM	46.2	39.9	11:00 AM - 11:05 AM	41.4	37.1	01:40 PM - 01:45 PM	43.4	38.0
08:25 AM - 08:30 AM	49.1	41.0	11:05 AM - 11:10 AM	42.0	37.2	01:45 PM - 01:50 PM	43.1	36.5
08:30 AM - 08:35 AM	44.2	37.7	11:10 AM - 11:15 AM	43.2	38.0	01:50 PM - 01:55 PM	42.4	37.0
08:35 AM - 08:40 AM	43.6	38.0	11:15 AM - 11:20 AM	44.6	39.6	01:55 PM - 02:00 PM	45.5	34.9

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509429-1

Page 1 of 3

Sample Number 22122147-12
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเวียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 25 - Nov 26, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	49.5	37.1	04:40 PM - 04:45 PM	52.1	39.1	07:20 PM - 07:25 PM	52.3	46.3
02:05 PM - 02:10 PM	42.3	36.6	04:45 PM - 04:50 PM	44.7	39.1	07:25 PM - 07:30 PM	50.2	46.3
02:10 PM - 02:15 PM	47.0	39.0	04:50 PM - 04:55 PM	45.0	38.8	07:30 PM - 07:35 PM	51.3	46.8
02:15 PM - 02:20 PM	43.6	36.8	04:55 PM - 05:00 PM	51.6	40.7	07:35 PM - 07:40 PM	50.4	46.3
02:20 PM - 02:25 PM	49.9	38.9	05:00 PM - 05:05 PM	48.7	43.0	07:40 PM - 07:45 PM	50.0	46.1
02:25 PM - 02:30 PM	46.0	38.6	05:05 PM - 05:10 PM	47.8	42.2	07:45 PM - 07:50 PM	49.8	46.1
02:30 PM - 02:35 PM	51.5	38.2	05:10 PM - 05:15 PM	51.1	43.6	07:50 PM - 07:55 PM	50.8	46.4
02:35 PM - 02:40 PM	44.7	39.1	05:15 PM - 05:20 PM	49.1	43.6	07:55 PM - 08:00 PM	50.5	46.2
02:40 PM - 02:45 PM	42.3	37.1	05:20 PM - 05:25 PM	48.6	42.8	08:00 PM - 08:05 PM	51.1	46.7
02:45 PM - 02:50 PM	44.8	35.3	05:25 PM - 05:30 PM	51.9	42.9	08:05 PM - 08:10 PM	49.9	46.5
02:50 PM - 02:55 PM	41.4	35.3	05:30 PM - 05:35 PM	52.1	40.5	08:10 PM - 08:15 PM	49.3	45.7
02:55 PM - 03:00 PM	42.5	35.7	05:35 PM - 05:40 PM	46.9	39.0	08:15 PM - 08:20 PM	50.0	45.5
03:00 PM - 03:05 PM	51.6	38.6	05:40 PM - 05:45 PM	45.3	39.2	08:20 PM - 08:25 PM	49.7	45.8
03:05 PM - 03:10 PM	43.3	36.9	05:45 PM - 05:50 PM	47.5	40.7	08:25 PM - 08:30 PM	50.3	46.0
03:10 PM - 03:15 PM	45.6	38.0	05:50 PM - 05:55 PM	46.6	40.9	08:30 PM - 08:35 PM	50.9	45.3
03:15 PM - 03:20 PM	44.0	36.9	05:55 PM - 06:00 PM	52.7	39.4	08:35 PM - 08:40 PM	48.0	44.3
03:20 PM - 03:25 PM	42.6	37.5	06:00 PM - 06:05 PM	46.6	40.9	08:40 PM - 08:45 PM	48.3	44.4
03:25 PM - 03:30 PM	47.5	35.1	06:05 PM - 06:10 PM	50.2	43.8	08:45 PM - 08:50 PM	50.3	45.3
03:30 PM - 03:35 PM	54.5	38.2	06:10 PM - 06:15 PM	46.2	44.0	08:50 PM - 08:55 PM	49.8	44.6
03:35 PM - 03:40 PM	43.4	37.0	06:15 PM - 06:20 PM	47.6	44.0	08:55 PM - 09:00 PM	49.9	45.5
03:40 PM - 03:45 PM	44.9	38.1	06:20 PM - 06:25 PM	46.8	44.1	09:00 PM - 09:05 PM	48.6	45.0
03:45 PM - 03:50 PM	44.9	36.4	06:25 PM - 06:30 PM	51.4	45.7	09:05 PM - 09:10 PM	48.3	44.8
03:50 PM - 03:55 PM	45.5	38.0	06:30 PM - 06:35 PM	50.9	46.1	09:10 PM - 09:15 PM	47.9	44.3
03:55 PM - 04:00 PM	45.2	37.8	06:35 PM - 06:40 PM	51.8	46.4	09:15 PM - 09:20 PM	48.6	44.0
04:00 PM - 04:05 PM	45.1	38.5	06:40 PM - 06:45 PM	51.1	46.1	09:20 PM - 09:25 PM	47.4	44.1
04:05 PM - 04:10 PM	48.9	39.7	06:45 PM - 06:50 PM	51.5	46.9	09:25 PM - 09:30 PM	46.6	43.6
04:10 PM - 04:15 PM	47.2	42.6	06:50 PM - 06:55 PM	52.4	46.5	09:30 PM - 09:35 PM	46.5	43.4
04:15 PM - 04:20 PM	46.6	40.1	06:55 PM - 07:00 PM	50.8	46.3	09:35 PM - 09:40 PM	47.2	43.6
04:20 PM - 04:25 PM	49.5	41.8	07:00 PM - 07:05 PM	51.5	46.4	09:40 PM - 09:45 PM	45.5	43.2
04:25 PM - 04:30 PM	45.9	39.8	07:05 PM - 07:10 PM	51.4	47.2	09:45 PM - 09:50 PM	46.5	43.1
04:30 PM - 04:35 PM	52.8	39.0	07:10 PM - 07:15 PM	51.1	46.8	09:50 PM - 09:55 PM	44.7	42.6
04:35 PM - 04:40 PM	45.6	38.4	07:15 PM - 07:20 PM	50.8	46.7	09:55 PM - 10:00 PM	47.3	41.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509429-1

Page 2 of 3

Sample Number 22122147-12
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเวียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 25 - Nov 26, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 25 - Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	43.9	42.5	12:40 AM - 12:45 AM	47.0	41.0	03:20 AM - 03:25 AM	39.3	38.1
10:05 PM - 10:10 PM	43.2	42.0	12:45 AM - 12:50 AM	44.6	40.3	03:25 AM - 03:30 AM	42.1	38.6
10:10 PM - 10:15 PM	43.7	42.3	12:50 AM - 12:55 AM	44.2	40.8	03:30 AM - 03:35 AM	40.8	39.3
10:15 PM - 10:20 PM	46.1	41.9	12:55 AM - 01:00 AM	44.1	40.4	03:35 AM - 03:40 AM	40.8	39.2
10:20 PM - 10:25 PM	45.6	42.7	01:00 AM - 01:05 AM	42.9	40.1	03:40 AM - 03:45 AM	40.5	38.9
10:25 PM - 10:30 PM	43.7	41.7	01:05 AM - 01:10 AM	43.7	40.6	03:45 AM - 03:50 AM	40.7	39.3
10:30 PM - 10:35 PM	44.9	42.3	01:10 AM - 01:15 AM	45.1	40.3	03:50 AM - 03:55 AM	40.9	38.7
10:35 PM - 10:40 PM	45.0	42.5	01:15 AM - 01:20 AM	44.1	41.1	03:55 AM - 04:00 AM	39.9	38.1
10:40 PM - 10:45 PM	45.9	42.7	01:20 AM - 01:25 AM	44.1	40.4	04:00 AM - 04:05 AM	40.5	38.7
10:45 PM - 10:50 PM	43.9	41.7	01:25 AM - 01:30 AM	44.1	40.6	04:05 AM - 04:10 AM	40.4	38.5
10:50 PM - 10:55 PM	44.8	41.6	01:30 AM - 01:35 AM	44.4	41.4	04:10 AM - 04:15 AM	40.5	38.7
10:55 PM - 11:00 PM	47.0	42.3	01:35 AM - 01:40 AM	43.8	41.2	04:15 AM - 04:20 AM	40.4	38.7
11:00 PM - 11:05 PM	44.2	42.6	01:40 AM - 01:45 AM	42.7	40.7	04:20 AM - 04:25 AM	39.6	38.1
11:05 PM - 11:10 PM	45.4	43.2	01:45 AM - 01:50 AM	42.3	40.6	04:25 AM - 04:30 AM	40.4	38.7
11:10 PM - 11:15 PM	46.6	42.9	01:50 AM - 01:55 AM	42.8	40.5	04:30 AM - 04:35 AM	39.8	38.4
11:15 PM - 11:20 PM	44.9	41.8	01:55 AM - 02:00 AM	41.1	39.9	04:35 AM - 04:40 AM	40.4	38.5
11:20 PM - 11:25 PM	47.4	41.3	02:00 AM - 02:05 AM	41.3	39.9	04:40 AM - 04:45 AM	40.4	38.9
11:25 PM - 11:30 PM	45.0	41.5	02:05 AM - 02:10 AM	41.4	39.7	04:45 AM - 04:50 AM	40.8	39.5
11:30 PM - 11:35 PM	44.8	42.8	02:10 AM - 02:15 AM	41.7	40.4	04:50 AM - 04:55 AM	41.2	40.0
11:35 PM - 11:40 PM	43.9	41.6	02:15 AM - 02:20 AM	43.3	40.4	04:55 AM - 05:00 AM	49.4	40.3
11:40 PM - 11:45 PM	45.0	41.9	02:20 AM - 02:25 AM	41.1	39.3	05:00 AM - 05:05 AM	42.5	40.8
11:45 PM - 11:50 PM	44.6	42.3	02:25 AM - 02:30 AM	42.9	40.1	05:05 AM - 05:10 AM	42.7	40.9
11:50 PM - 11:55 PM	49.1	42.8	02:30 AM - 02:35 AM	41.3	39.4	05:10 AM - 05:15 AM	42.4	41.0
11:55 PM - 12:00 AM	43.1	42.1	02:35 AM - 02:40 AM	40.2	38.3	05:15 AM - 05:20 AM	41.8	40.7
12:00 AM - 12:05 AM	43.7	42.0	02:40 AM - 02:45 AM	39.6	38.0	05:20 AM - 05:25 AM	43.1	40.7
12:05 AM - 12:10 AM	42.4	40.2	02:45 AM - 02:50 AM	40.3	38.4	05:25 AM - 05:30 AM	42.1	40.4
12:10 AM - 12:15 AM	43.9	40.4	02:50 AM - 02:55 AM	40.7	38.2	05:30 AM - 05:35 AM	41.9	40.4
12:15 AM - 12:20 AM	42.5	40.3	02:55 AM - 03:00 AM	40.0	37.8	05:35 AM - 05:40 AM	42.9	40.8
12:20 AM - 12:25 AM	42.4	40.4	03:00 AM - 03:05 AM	44.0	39.3	05:40 AM - 05:45 AM	44.1	40.9
12:25 AM - 12:30 AM	41.7	40.1	03:05 AM - 03:10 AM	40.0	38.3	05:45 AM - 05:50 AM	42.8	40.9
12:30 AM - 12:35 AM	41.3	39.8	03:10 AM - 03:15 AM	40.9	38.8	05:50 AM - 05:55 AM	47.0	41.5
12:35 AM - 12:40 AM	41.8	40.2	03:15 AM - 03:20 AM	40.3	39.0	05:55 AM - 06:00 AM	45.0	41.6

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509429-1

Page 3 of 3

Sample Number : 22122147-12
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date : Nov 25 - Nov 26, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 998162

Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	45.0	41.5	08:40 AM - 08:45 AM	52.2	38.4	11:20 AM - 11:25 AM	46.9	42.6
06:05 AM - 06:10 AM	47.6	41.9	08:45 AM - 08:50 AM	46.7	39.4	11:25 AM - 11:30 AM	48.4	42.4
06:10 AM - 06:15 AM	46.6	41.7	08:50 AM - 08:55 AM	44.9	36.9	11:30 AM - 11:35 AM	47.7	42.8
06:15 AM - 06:20 AM	47.7	42.0	08:55 AM - 09:00 AM	44.7	37.7	11:35 AM - 11:40 AM	49.4	42.7
06:20 AM - 06:25 AM	48.9	42.5	09:00 AM - 09:05 AM	57.6	39.0	11:40 AM - 11:45 AM	49.3	43.3
06:25 AM - 06:30 AM	52.7	42.9	09:05 AM - 09:10 AM	53.2	39.7	11:45 AM - 11:50 AM	48.0	44.8
06:30 AM - 06:35 AM	47.5	41.2	09:10 AM - 09:15 AM	51.8	37.5	11:50 AM - 11:55 AM	48.4	45.0
06:35 AM - 06:40 AM	45.9	39.8	09:15 AM - 09:20 AM	47.9	40.6	11:55 AM - 12:00 PM	48.7	45.1
06:40 AM - 06:45 AM	46.6	37.9	09:20 AM - 09:25 AM	46.1	38.5	12:00 PM - 12:05 PM	47.9	43.4
06:45 AM - 06:50 AM	58.7	42.2	09:25 AM - 09:30 AM	56.2	39.5	12:05 PM - 12:10 PM	49.3	42.9
06:50 AM - 06:55 AM	49.0	40.3	09:30 AM - 09:35 AM	57.6	42.1	12:10 PM - 12:15 PM	45.7	42.5
06:55 AM - 07:00 AM	47.9	39.9	09:35 AM - 09:40 AM	50.9	38.3	12:15 PM - 12:20 PM	47.1	42.9
07:00 AM - 07:05 AM	45.1	40.0	09:40 AM - 09:45 AM	45.4	38.1	12:20 PM - 12:25 PM	50.9	38.6
07:05 AM - 07:10 AM	49.6	41.8	09:45 AM - 09:50 AM	48.1	39.9	12:25 PM - 12:30 PM	45.0	37.3
07:10 AM - 07:15 AM	47.1	41.4	09:50 AM - 09:55 AM	43.4	38.0	12:30 PM - 12:35 PM	45.6	36.7
07:15 AM - 07:20 AM	45.3	41.3	09:55 AM - 10:00 AM	47.9	40.3	12:35 PM - 12:40 PM	60.1	38.0
07:20 AM - 07:25 AM	47.5	40.8	10:00 AM - 10:05 AM	60.0	44.4	12:40 PM - 12:45 PM	50.9	37.6
07:25 AM - 07:30 AM	50.2	42.6	10:05 AM - 10:10 AM	49.9	44.1	12:45 PM - 12:50 PM	44.5	35.8
07:30 AM - 07:35 AM	52.2	43.6	10:10 AM - 10:15 AM	52.7	44.3	12:50 PM - 12:55 PM	51.1	37.8
07:35 AM - 07:40 AM	47.1	41.0	10:15 AM - 10:20 AM	47.6	43.3	12:55 PM - 01:00 PM	51.2	35.9
07:40 AM - 07:45 AM	48.2	42.0	10:20 AM - 10:25 AM	45.4	42.0	01:00 PM - 01:05 PM	55.4	37.0
07:45 AM - 07:50 AM	49.2	40.7	10:25 AM - 10:30 AM	57.4	45.6	01:05 PM - 01:10 PM	52.6	40.7
07:50 AM - 07:55 AM	55.6	40.9	10:30 AM - 10:35 AM	49.2	43.4	01:10 PM - 01:15 PM	51.0	37.2
07:55 AM - 08:00 AM	46.2	38.5	10:35 AM - 10:40 AM	53.6	43.7	01:15 PM - 01:20 PM	45.5	38.2
08:00 AM - 08:05 AM	46.8	37.9	10:40 AM - 10:45 AM	51.4	43.9	01:20 PM - 01:25 PM	43.7	35.7
08:05 AM - 08:10 AM	61.3	39.2	10:45 AM - 10:50 AM	52.3	39.0	01:25 PM - 01:30 PM	43.5	36.5
08:10 AM - 08:15 AM	52.1	38.8	10:50 AM - 10:55 AM	52.4	37.1	01:30 PM - 01:35 PM	56.4	37.8
08:15 AM - 08:20 AM	45.7	37.0	10:55 AM - 11:00 AM	56.6	38.2	01:35 PM - 01:40 PM	52.0	38.5
08:20 AM - 08:25 AM	52.3	39.0	11:00 AM - 11:05 AM	53.8	41.9	01:40 PM - 01:45 PM	50.6	36.3
08:25 AM - 08:30 AM	52.4	37.1	11:05 AM - 11:10 AM	52.2	38.4	01:45 PM - 01:50 PM	46.7	39.4
08:30 AM - 08:35 AM	56.6	38.2	11:10 AM - 11:15 AM	53.5	48.6	01:50 PM - 01:55 PM	44.9	37.3
08:35 AM - 08:40 AM	53.8	41.9	11:15 AM - 11:20 AM	50.2	44.4	01:55 PM - 02:00 PM	55.0	38.3

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509430-1

Page 1 of 3

Sample Number 22122147-13
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองกระเทียม 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	56.4	40.9	04:40 PM - 04:45 PM	44.5	41.3	07:20 PM - 07:25 PM	50.9	50.1
02:05 PM - 02:10 PM	49.7	37.1	04:45 PM - 04:50 PM	45.9	41.7	07:25 PM - 07:30 PM	52.3	45.5
02:10 PM - 02:15 PM	44.2	36.9	04:50 PM - 04:55 PM	47.6	42.9	07:30 PM - 07:35 PM	50.9	46.4
02:15 PM - 02:20 PM	46.9	38.7	04:55 PM - 05:00 PM	50.3	44.2	07:35 PM - 07:40 PM	50.1	44.4
02:20 PM - 02:25 PM	42.2	36.8	05:00 PM - 05:05 PM	51.3	45.4	07:40 PM - 07:45 PM	55.8	47.0
02:25 PM - 02:30 PM	46.7	39.1	05:05 PM - 05:10 PM	52.4	45.9	07:45 PM - 07:50 PM	51.5	43.7
02:30 PM - 02:35 PM	58.8	43.2	05:10 PM - 05:15 PM	50.9	45.1	07:50 PM - 07:55 PM	45.9	43.8
02:35 PM - 02:40 PM	48.7	42.9	05:15 PM - 05:20 PM	51.0	44.6	07:55 PM - 08:00 PM	48.7	44.3
02:40 PM - 02:45 PM	51.5	43.1	05:20 PM - 05:25 PM	50.1	44.2	08:00 PM - 08:05 PM	45.8	43.8
02:45 PM - 02:50 PM	46.4	42.1	05:25 PM - 05:30 PM	51.8	45.1	08:05 PM - 08:10 PM	46.1	44.5
02:50 PM - 02:55 PM	44.2	40.8	05:30 PM - 05:35 PM	50.4	44.3	08:10 PM - 08:15 PM	47.3	44.7
02:55 PM - 03:00 PM	56.2	44.4	05:35 PM - 05:40 PM	51.2	45.9	08:15 PM - 08:20 PM	49.6	45.7
03:00 PM - 03:05 PM	48.0	42.2	05:40 PM - 05:45 PM	53.6	49.4	08:20 PM - 08:25 PM	48.8	45.8
03:05 PM - 03:10 PM	52.4	42.5	05:45 PM - 05:50 PM	46.6	42.2	08:25 PM - 08:30 PM	47.5	45.5
03:10 PM - 03:15 PM	50.2	42.7	05:50 PM - 05:55 PM	49.7	41.4	08:30 PM - 08:35 PM	47.3	45.5
03:15 PM - 03:20 PM	66.8	47.1	05:55 PM - 06:00 PM	46.7	42.1	08:35 PM - 08:40 PM	47.8	46.5
03:20 PM - 03:25 PM	67.1	62.0	06:00 PM - 06:05 PM	47.4	42.1	08:40 PM - 08:45 PM	51.9	46.7
03:25 PM - 03:30 PM	65.8	63.1	06:05 PM - 06:10 PM	49.1	43.4	08:45 PM - 08:50 PM	49.9	46.1
03:30 PM - 03:35 PM	68.8	67.1	06:10 PM - 06:15 PM	49.4	45.4	08:50 PM - 08:55 PM	47.2	45.9
03:35 PM - 03:40 PM	65.3	62.3	06:15 PM - 06:20 PM	49.2	44.1	08:55 PM - 09:00 PM	48.8	45.7
03:40 PM - 03:45 PM	52.3	47.4	06:20 PM - 06:25 PM	52.7	44.8	09:00 PM - 09:05 PM	49.5	45.3
03:45 PM - 03:50 PM	49.0	43.2	06:25 PM - 06:30 PM	49.0	45.6	09:05 PM - 09:10 PM	48.9	45.9
03:50 PM - 03:55 PM	45.7	41.4	06:30 PM - 06:35 PM	48.4	44.5	09:10 PM - 09:15 PM	46.7	45.6
03:55 PM - 04:00 PM	47.2	41.2	06:35 PM - 06:40 PM	46.1	44.1	09:15 PM - 09:20 PM	48.3	46.1
04:00 PM - 04:05 PM	46.5	41.6	06:40 PM - 06:45 PM	47.2	43.1	09:20 PM - 09:25 PM	46.7	45.7
04:05 PM - 04:10 PM	48.2	41.5	06:45 PM - 06:50 PM	46.7	42.8	09:25 PM - 09:30 PM	47.5	45.2
04:10 PM - 04:15 PM	48.1	42.1	06:50 PM - 06:55 PM	51.0	42.5	09:30 PM - 09:35 PM	45.8	44.9
04:15 PM - 04:20 PM	46.8	43.6	06:55 PM - 07:00 PM	45.4	43.3	09:35 PM - 09:40 PM	46.6	44.8
04:20 PM - 04:25 PM	47.2	43.8	07:00 PM - 07:05 PM	45.7	44.0	09:40 PM - 09:45 PM	47.4	45.0
04:25 PM - 04:30 PM	47.5	43.9	07:05 PM - 07:10 PM	47.6	44.3	09:45 PM - 09:50 PM	45.7	44.3
04:30 PM - 04:35 PM	46.7	42.2	07:10 PM - 07:15 PM	50.6	49.8	09:50 PM - 09:55 PM	45.0	44.4
04:35 PM - 04:40 PM	48.1	41.7	07:15 PM - 07:20 PM	50.3	49.5	09:55 PM - 10:00 PM	47.2	44.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509430-1

Page 2 of 3

Sample Number 22122147-13
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 26 - Nov 27, 2022	Leq	L90	Nov 27, 2022	Leq	L90	Nov 27, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	46.6	44.2	12:40 AM - 12:45 AM	43.7	43.0	03:20 AM - 03:25 AM	42.4	41.0
10:05 PM - 10:10 PM	45.7	44.4	12:45 AM - 12:50 AM	44.5	43.6	03:25 AM - 03:30 AM	41.2	39.1
10:10 PM - 10:15 PM	46.2	44.9	12:50 AM - 12:55 AM	44.2	43.1	03:30 AM - 03:35 AM	41.8	40.7
10:15 PM - 10:20 PM	45.6	44.6	12:55 AM - 01:00 AM	42.9	42.3	03:35 AM - 03:40 AM	40.8	39.9
10:20 PM - 10:25 PM	47.6	45.5	01:00 AM - 01:05 AM	44.1	43.4	03:40 AM - 03:45 AM	41.7	41.0
10:25 PM - 10:30 PM	48.4	46.0	01:05 AM - 01:10 AM	44.1	43.4	03:45 AM - 03:50 AM	41.5	40.8
10:30 PM - 10:35 PM	47.0	45.1	01:10 AM - 01:15 AM	44.2	43.3	03:50 AM - 03:55 AM	41.4	40.5
10:35 PM - 10:40 PM	45.9	44.5	01:15 AM - 01:20 AM	43.8	42.7	03:55 AM - 04:00 AM	42.3	41.2
10:40 PM - 10:45 PM	47.1	45.4	01:20 AM - 01:25 AM	44.7	43.1	04:00 AM - 04:05 AM	42.2	40.4
10:45 PM - 10:50 PM	48.5	44.9	01:25 AM - 01:30 AM	44.3	42.4	04:05 AM - 04:10 AM	43.0	42.0
10:50 PM - 10:55 PM	46.4	43.5	01:30 AM - 01:35 AM	45.0	42.3	04:10 AM - 04:15 AM	42.9	41.9
10:55 PM - 11:00 PM	45.0	43.2	01:35 AM - 01:40 AM	44.1	42.0	04:15 AM - 04:20 AM	42.2	40.1
11:00 PM - 11:05 PM	46.1	43.5	01:40 AM - 01:45 AM	43.9	41.9	04:20 AM - 04:25 AM	40.4	38.7
11:05 PM - 11:10 PM	52.0	43.3	01:45 AM - 01:50 AM	46.2	42.5	04:25 AM - 04:30 AM	40.9	39.2
11:10 PM - 11:15 PM	44.1	42.7	01:50 AM - 01:55 AM	44.0	41.0	04:30 AM - 04:35 AM	40.5	39.1
11:15 PM - 11:20 PM	44.2	42.9	01:55 AM - 02:00 AM	43.7	41.4	04:35 AM - 04:40 AM	41.1	39.4
11:20 PM - 11:25 PM	44.1	43.0	02:00 AM - 02:05 AM	42.1	40.8	04:40 AM - 04:45 AM	40.9	39.4
11:25 PM - 11:30 PM	43.5	42.4	02:05 AM - 02:10 AM	43.5	41.0	04:45 AM - 04:50 AM	40.7	39.1
11:30 PM - 11:35 PM	44.3	42.3	02:10 AM - 02:15 AM	42.0	41.2	04:50 AM - 04:55 AM	41.4	40.0
11:35 PM - 11:40 PM	47.6	42.8	02:15 AM - 02:20 AM	41.9	41.0	04:55 AM - 05:00 AM	42.1	40.6
11:40 PM - 11:45 PM	49.8	42.3	02:20 AM - 02:25 AM	41.5	40.4	05:00 AM - 05:05 AM	42.5	41.0
11:45 PM - 11:50 PM	44.6	42.5	02:25 AM - 02:30 AM	39.5	38.3	05:05 AM - 05:10 AM	43.2	41.1
11:50 PM - 11:55 PM	46.8	43.3	02:30 AM - 02:35 AM	39.5	38.6	05:10 AM - 05:15 AM	42.2	40.3
11:55 PM - 12:00 AM	46.5	44.0	02:35 AM - 02:40 AM	40.4	39.6	05:15 AM - 05:20 AM	41.8	40.2
12:00 AM - 12:05 AM	46.2	44.2	02:40 AM - 02:45 AM	44.6	40.9	05:20 AM - 05:25 AM	42.3	40.3
12:05 AM - 12:10 AM	46.7	44.2	02:45 AM - 02:50 AM	42.2	40.5	05:25 AM - 05:30 AM	41.4	39.8
12:10 AM - 12:15 AM	45.8	43.5	02:50 AM - 02:55 AM	40.7	40.0	05:30 AM - 05:35 AM	41.4	39.5
12:15 AM - 12:20 AM	43.7	43.0	02:55 AM - 03:00 AM	41.9	40.2	05:35 AM - 05:40 AM	43.1	39.4
12:20 AM - 12:25 AM	44.4	43.2	03:00 AM - 03:05 AM	39.5	38.4	05:40 AM - 05:45 AM	44.8	39.8
12:25 AM - 12:30 AM	44.7	43.7	03:05 AM - 03:10 AM	44.3	39.9	05:45 AM - 05:50 AM	41.5	39.4
12:30 AM - 12:35 AM	47.4	43.5	03:10 AM - 03:15 AM	40.9	39.8	05:50 AM - 05:55 AM	41.1	39.0
12:35 AM - 12:40 AM	44.9	43.4	03:15 AM - 03:20 AM	42.3	40.1	05:55 AM - 06:00 AM	41.8	39.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509430-1

Page 3 of 3

Sample Number 22122147-13
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	43.7	38.9	08:40 AM - 08:45 AM	46.6	39.2	11:20 AM - 11:25 AM	43.7	35.5
06:05 AM - 06:10 AM	42.9	38.3	08:45 AM - 08:50 AM	47.1	39.1	11:25 AM - 11:30 AM	45.6	37.7
06:10 AM - 06:15 AM	43.5	38.1	08:50 AM - 08:55 AM	48.9	38.2	11:30 AM - 11:35 AM	45.7	38.2
06:15 AM - 06:20 AM	44.8	38.5	08:55 AM - 09:00 AM	49.6	40.9	11:35 AM - 11:40 AM	49.9	36.7
06:20 AM - 06:25 AM	46.8	38.0	09:00 AM - 09:05 AM	51.8	40.3	11:40 AM - 11:45 AM	51.3	36.0
06:25 AM - 06:30 AM	47.9	39.6	09:05 AM - 09:10 AM	45.4	38.2	11:45 AM - 11:50 AM	46.7	36.2
06:30 AM - 06:35 AM	45.5	37.8	09:10 AM - 09:15 AM	45.9	37.1	11:50 AM - 11:55 AM	45.4	36.2
06:35 AM - 06:40 AM	46.2	39.0	09:15 AM - 09:20 AM	46.0	36.2	11:55 AM - 12:00 PM	49.4	36.7
06:40 AM - 06:45 AM	46.2	39.0	09:20 AM - 09:25 AM	48.2	38.7	12:00 PM - 12:05 PM	46.8	36.9
06:45 AM - 06:50 AM	49.6	38.4	09:25 AM - 09:30 AM	47.9	40.2	12:05 PM - 12:10 PM	50.0	37.0
06:50 AM - 06:55 AM	46.5	38.1	09:30 AM - 09:35 AM	46.4	37.2	12:10 PM - 12:15 PM	43.7	35.5
06:55 AM - 07:00 AM	46.9	40.8	09:35 AM - 09:40 AM	46.3	39.2	12:15 PM - 12:20 PM	43.5	34.1
07:00 AM - 07:05 AM	46.7	41.2	09:40 AM - 09:45 AM	44.2	36.6	12:20 PM - 12:25 PM	45.6	35.8
07:05 AM - 07:10 AM	48.1	43.0	09:45 AM - 09:50 AM	42.9	37.7	12:25 PM - 12:30 PM	39.7	34.9
07:10 AM - 07:15 AM	47.2	40.8	09:50 AM - 09:55 AM	45.7	37.6	12:30 PM - 12:35 PM	43.8	34.7
07:15 AM - 07:20 AM	45.2	39.0	09:55 AM - 10:00 AM	45.8	36.5	12:35 PM - 12:40 PM	44.8	33.4
07:20 AM - 07:25 AM	48.0	41.0	10:00 AM - 10:05 AM	46.8	39.0	12:40 PM - 12:45 PM	42.0	35.3
07:25 AM - 07:30 AM	48.7	40.0	10:05 AM - 10:10 AM	44.8	38.3	12:45 PM - 12:50 PM	41.5	33.4
07:30 AM - 07:35 AM	50.7	39.2	10:10 AM - 10:15 AM	44.3	37.1	12:50 PM - 12:55 PM	51.6	35.6
07:35 AM - 07:40 AM	45.6	38.9	10:15 AM - 10:20 AM	42.6	36.7	12:55 PM - 01:00 PM	42.1	35.0
07:40 AM - 07:45 AM	47.2	38.6	10:20 AM - 10:25 AM	44.8	38.4	01:00 PM - 01:05 PM	43.3	34.1
07:45 AM - 07:50 AM	48.1	38.8	10:25 AM - 10:30 AM	43.7	37.1	01:05 PM - 01:10 PM	42.3	35.0
07:50 AM - 07:55 AM	46.9	38.4	10:30 AM - 10:35 AM	44.5	35.6	01:10 PM - 01:15 PM	43.5	35.0
07:55 AM - 08:00 AM	47.9	37.9	10:35 AM - 10:40 AM	43.6	35.4	01:15 PM - 01:20 PM	42.9	37.9
08:00 AM - 08:05 AM	48.3	39.1	10:40 AM - 10:45 AM	41.9	34.9	01:20 PM - 01:25 PM	47.2	41.2
08:05 AM - 08:10 AM	47.7	41.9	10:45 AM - 10:50 AM	40.9	34.9	01:25 PM - 01:30 PM	51.0	45.0
08:10 AM - 08:15 AM	47.2	40.7	10:50 AM - 10:55 AM	41.9	35.4	01:30 PM - 01:35 PM	51.8	46.7
08:15 AM - 08:20 AM	51.3	39.1	10:55 AM - 11:00 AM	48.6	37.3	01:35 PM - 01:40 PM	47.1	42.2
08:20 AM - 08:25 AM	48.3	40.0	11:00 AM - 11:05 AM	45.3	37.4	01:40 PM - 01:45 PM	46.6	41.1
08:25 AM - 08:30 AM	46.6	39.5	11:05 AM - 11:10 AM	46.2	36.2	01:45 PM - 01:50 PM	48.9	40.1
08:30 AM - 08:35 AM	49.5	42.3	11:10 AM - 11:15 AM	47.2	37.2	01:50 PM - 01:55 PM	43.7	37.4
08:35 AM - 08:40 AM	47.8	38.8	11:15 AM - 11:20 AM	44.1	35.0	01:55 PM - 02:00 PM	44.7	38.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509431-1

Page 1 of 3

Sample Number 22122147-14
Parameter Noise Level (Leq 5 min)
Location ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองกระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date Nov 27 - Nov 28, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 998162

Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	47.1	38.0	04:40 PM - 04:45 PM	48.6	38.2	07:20 PM - 07:25 PM	45.1	43.7
02:05 PM - 02:10 PM	46.5	39.6	04:45 PM - 04:50 PM	52.6	40.1	07:25 PM - 07:30 PM	50.3	44.1
02:10 PM - 02:15 PM	45.0	38.1	04:50 PM - 04:55 PM	48.2	38.6	07:30 PM - 07:35 PM	47.2	43.8
02:15 PM - 02:20 PM	46.4	38.7	04:55 PM - 05:00 PM	51.2	41.1	07:35 PM - 07:40 PM	49.2	44.3
02:20 PM - 02:25 PM	50.3	36.4	05:00 PM - 05:05 PM	46.5	40.1	07:40 PM - 07:45 PM	45.0	43.6
02:25 PM - 02:30 PM	42.2	35.7	05:05 PM - 05:10 PM	49.8	39.1	07:45 PM - 07:50 PM	46.4	43.4
02:30 PM - 02:35 PM	47.8	36.4	05:10 PM - 05:15 PM	48.9	38.8	07:50 PM - 07:55 PM	45.2	43.5
02:35 PM - 02:40 PM	43.4	35.7	05:15 PM - 05:20 PM	43.8	38.2	07:55 PM - 08:00 PM	47.3	43.6
02:40 PM - 02:45 PM	41.4	36.1	05:20 PM - 05:25 PM	45.8	40.0	08:00 PM - 08:05 PM	46.1	43.6
02:45 PM - 02:50 PM	44.9	36.8	05:25 PM - 05:30 PM	45.6	37.5	08:05 PM - 08:10 PM	44.2	43.1
02:50 PM - 02:55 PM	43.7	37.9	05:30 PM - 05:35 PM	45.2	37.6	08:10 PM - 08:15 PM	47.1	43.6
02:55 PM - 03:00 PM	43.0	36.8	05:35 PM - 05:40 PM	47.2	39.3	08:15 PM - 08:20 PM	48.8	44.8
03:00 PM - 03:05 PM	47.0	38.4	05:40 PM - 05:45 PM	47.1	40.5	08:20 PM - 08:25 PM	46.7	44.6
03:05 PM - 03:10 PM	44.3	38.3	05:45 PM - 05:50 PM	45.4	39.7	08:25 PM - 08:30 PM	46.2	44.5
03:10 PM - 03:15 PM	49.8	41.0	05:50 PM - 05:55 PM	47.2	40.8	08:30 PM - 08:35 PM	46.3	43.5
03:15 PM - 03:20 PM	45.5	39.5	05:55 PM - 06:00 PM	44.4	41.2	08:35 PM - 08:40 PM	47.9	43.6
03:20 PM - 03:25 PM	43.4	37.8	06:00 PM - 06:05 PM	45.5	41.2	08:40 PM - 08:45 PM	47.7	44.0
03:25 PM - 03:30 PM	42.9	37.3	06:05 PM - 06:10 PM	46.6	42.7	08:45 PM - 08:50 PM	45.1	43.8
03:30 PM - 03:35 PM	47.9	37.4	06:10 PM - 06:15 PM	47.2	43.5	08:50 PM - 08:55 PM	51.4	44.1
03:35 PM - 03:40 PM	42.9	37.9	06:15 PM - 06:20 PM	46.1	43.5	08:55 PM - 09:00 PM	49.2	44.0
03:40 PM - 03:45 PM	44.6	38.8	06:20 PM - 06:25 PM	46.9	44.4	09:00 PM - 09:05 PM	47.6	43.4
03:45 PM - 03:50 PM	45.2	36.5	06:25 PM - 06:30 PM	45.9	43.9	09:05 PM - 09:10 PM	46.3	43.0
03:50 PM - 03:55 PM	44.9	39.0	06:30 PM - 06:35 PM	46.2	44.1	09:10 PM - 09:15 PM	44.0	42.7
03:55 PM - 04:00 PM	43.9	36.3	06:35 PM - 06:40 PM	47.5	44.9	09:15 PM - 09:20 PM	44.2	42.2
04:00 PM - 04:05 PM	43.5	37.4	06:40 PM - 06:45 PM	45.5	44.1	09:20 PM - 09:25 PM	46.4	43.0
04:05 PM - 04:10 PM	48.5	38.4	06:45 PM - 06:50 PM	46.6	44.7	09:25 PM - 09:30 PM	45.1	43.2
04:10 PM - 04:15 PM	43.9	36.8	06:50 PM - 06:55 PM	50.4	44.6	09:30 PM - 09:35 PM	46.4	42.2
04:15 PM - 04:20 PM	43.5	37.4	06:55 PM - 07:00 PM	48.6	44.2	09:35 PM - 09:40 PM	43.3	41.7
04:20 PM - 04:25 PM	45.6	39.0	07:00 PM - 07:05 PM	46.7	44.2	09:40 PM - 09:45 PM	43.8	41.9
04:25 PM - 04:30 PM	48.0	40.4	07:05 PM - 07:10 PM	45.9	44.0	09:45 PM - 09:50 PM	43.2	41.7
04:30 PM - 04:35 PM	43.7	37.0	07:10 PM - 07:15 PM	47.7	43.2	09:50 PM - 09:55 PM	46.0	41.6
04:35 PM - 04:40 PM	45.9	38.3	07:15 PM - 07:20 PM	45.5	43.8	09:55 PM - 10:00 PM	46.9	42.0

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509431-1

Page 2 of 3

Sample Number : 22122147-14
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date : Nov 27 - Nov 28, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 998162

Nov 27 - Nov 28, 2022	Leq	L90	Nov 28, 2022	Leq	L90	Nov 28, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	42.5	41.7	12:40 AM - 12:45 AM	42.3	40.7	03:20 AM - 03:25 AM	40.0	37.9
10:05 PM - 10:10 PM	44.6	41.4	12:45 AM - 12:50 AM	43.2	41.3	03:25 AM - 03:30 AM	38.8	37.6
10:10 PM - 10:15 PM	44.4	41.4	12:50 AM - 12:55 AM	41.3	39.7	03:30 AM - 03:35 AM	40.0	38.6
10:15 PM - 10:20 PM	48.2	42.5	12:55 AM - 01:00 AM	40.8	39.6	03:35 AM - 03:40 AM	40.3	39.1
10:20 PM - 10:25 PM	43.4	42.3	01:00 AM - 01:05 AM	40.2	39.1	03:40 AM - 03:45 AM	39.9	38.3
10:25 PM - 10:30 PM	48.5	42.5	01:05 AM - 01:10 AM	39.4	38.6	03:45 AM - 03:50 AM	40.6	39.1
10:30 PM - 10:35 PM	45.4	42.3	01:10 AM - 01:15 AM	40.6	39.0	03:50 AM - 03:55 AM	40.2	38.4
10:35 PM - 10:40 PM	43.1	41.9	01:15 AM - 01:20 AM	41.3	40.0	03:55 AM - 04:00 AM	39.7	38.1
10:40 PM - 10:45 PM	42.7	41.2	01:20 AM - 01:25 AM	41.9	40.6	04:00 AM - 04:05 AM	39.1	37.3
10:45 PM - 10:50 PM	44.3	41.8	01:25 AM - 01:30 AM	42.1	40.9	04:05 AM - 04:10 AM	38.7	36.9
10:50 PM - 10:55 PM	43.2	41.2	01:30 AM - 01:35 AM	41.6	40.5	04:10 AM - 04:15 AM	39.1	37.5
10:55 PM - 11:00 PM	45.1	41.3	01:35 AM - 01:40 AM	41.9	40.5	04:15 AM - 04:20 AM	40.1	38.6
11:00 PM - 11:05 PM	51.0	41.7	01:40 AM - 01:45 AM	42.5	41.1	04:20 AM - 04:25 AM	43.5	38.2
11:05 PM - 11:10 PM	50.6	41.9	01:45 AM - 01:50 AM	49.2	40.8	04:25 AM - 04:30 AM	39.3	37.5
11:10 PM - 11:15 PM	43.7	41.7	01:50 AM - 01:55 AM	43.9	41.3	04:30 AM - 04:35 AM	42.7	38.8
11:15 PM - 11:20 PM	45.9	42.0	01:55 AM - 02:00 AM	42.9	40.4	04:35 AM - 04:40 AM	41.1	39.1
11:20 PM - 11:25 PM	45.6	41.8	02:00 AM - 02:05 AM	42.0	40.1	04:40 AM - 04:45 AM	40.5	39.1
11:25 PM - 11:30 PM	43.6	41.8	02:05 AM - 02:10 AM	41.2	39.9	04:45 AM - 04:50 AM	41.4	39.0
11:30 PM - 11:35 PM	43.3	41.3	02:10 AM - 02:15 AM	41.4	39.9	04:50 AM - 04:55 AM	40.2	38.6
11:35 PM - 11:40 PM	42.7	41.4	02:15 AM - 02:20 AM	41.7	40.3	04:55 AM - 05:00 AM	39.8	38.5
11:40 PM - 11:45 PM	43.7	42.4	02:20 AM - 02:25 AM	41.9	40.0	05:00 AM - 05:05 AM	40.7	38.7
11:45 PM - 11:50 PM	45.2	43.0	02:25 AM - 02:30 AM	41.8	39.8	05:05 AM - 05:10 AM	39.6	38.4
11:50 PM - 11:55 PM	44.8	42.8	02:30 AM - 02:35 AM	41.3	39.6	05:10 AM - 05:15 AM	40.1	38.6
11:55 PM - 12:00 AM	44.0	42.0	02:35 AM - 02:40 AM	40.9	39.4	05:15 AM - 05:20 AM	40.9	39.0
12:00 AM - 12:05 AM	41.6	40.4	02:40 AM - 02:45 AM	41.2	39.7	05:20 AM - 05:25 AM	40.0	38.6
12:05 AM - 12:10 AM	41.6	40.1	02:45 AM - 02:50 AM	40.2	38.6	05:25 AM - 05:30 AM	40.9	39.4
12:10 AM - 12:15 AM	42.7	40.0	02:50 AM - 02:55 AM	38.9	37.1	05:30 AM - 05:35 AM	41.7	39.6
12:15 AM - 12:20 AM	42.8	40.7	02:55 AM - 03:00 AM	40.1	37.8	05:35 AM - 05:40 AM	42.1	39.6
12:20 AM - 12:25 AM	41.7	40.5	03:00 AM - 03:05 AM	40.5	38.6	05:40 AM - 05:45 AM	42.1	40.0
12:25 AM - 12:30 AM	42.6	40.9	03:05 AM - 03:10 AM	40.6	38.9	05:45 AM - 05:50 AM	43.6	40.4
12:30 AM - 12:35 AM	41.7	40.3	03:10 AM - 03:15 AM	41.3	38.7	05:50 AM - 05:55 AM	46.6	41.0
12:35 AM - 12:40 AM	41.7	40.7	03:15 AM - 03:20 AM	39.7	38.3	05:55 AM - 06:00 AM	45.2	41.3

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509431-1

Page 3 of 3

Sample Number : 22122147-14
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนด้านทิศตะวันตกของโครงการโรงไฟฟ้าหนองระเรียง 1 (GPS 48P 0194661, 1653152)
Measurement Date : Nov 27 - Nov 28, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 998162

Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	47.1	41.3	08:40 AM - 08:45 AM	48.5	39.4	11:20 AM - 11:25 AM	42.8	32.3
06:05 AM - 06:10 AM	46.6	41.6	08:45 AM - 08:50 AM	45.8	38.3	11:25 AM - 11:30 AM	41.8	32.3
06:10 AM - 06:15 AM	45.6	41.3	08:50 AM - 08:55 AM	43.8	37.3	11:30 AM - 11:35 AM	44.0	35.1
06:15 AM - 06:20 AM	49.2	42.1	08:55 AM - 09:00 AM	41.2	36.1	11:35 AM - 11:40 AM	43.5	35.1
06:20 AM - 06:25 AM	49.5	42.4	09:00 AM - 09:05 AM	43.4	37.5	11:40 AM - 11:45 AM	41.2	33.5
06:25 AM - 06:30 AM	46.8	41.6	09:05 AM - 09:10 AM	43.3	36.9	11:45 AM - 11:50 AM	43.9	35.5
06:30 AM - 06:35 AM	49.3	43.7	09:10 AM - 09:15 AM	40.5	35.1	11:50 AM - 11:55 AM	40.8	33.9
06:35 AM - 06:40 AM	47.4	41.4	09:15 AM - 09:20 AM	42.7	36.8	11:55 AM - 12:00 PM	50.5	34.0
06:40 AM - 06:45 AM	48.2	41.4	09:20 AM - 09:25 AM	44.3	36.1	12:00 PM - 12:05 PM	43.2	33.7
06:45 AM - 06:50 AM	47.0	42.3	09:25 AM - 09:30 AM	41.8	37.2	12:05 PM - 12:10 PM	46.8	34.4
06:50 AM - 06:55 AM	51.6	42.6	09:30 AM - 09:35 AM	44.2	37.5	12:10 PM - 12:15 PM	46.9	35.1
06:55 AM - 07:00 AM	47.0	42.0	09:35 AM - 09:40 AM	46.1	36.1	12:15 PM - 12:20 PM	44.0	34.6
07:00 AM - 07:05 AM	47.2	42.0	09:40 AM - 09:45 AM	44.4	35.3	12:20 PM - 12:25 PM	47.9	34.7
07:05 AM - 07:10 AM	50.2	43.0	09:45 AM - 09:50 AM	44.6	36.4	12:25 PM - 12:30 PM	45.9	35.6
07:10 AM - 07:15 AM	49.7	43.0	09:50 AM - 09:55 AM	40.7	35.6	12:30 PM - 12:35 PM	38.7	33.9
07:15 AM - 07:20 AM	51.7	45.1	09:55 AM - 10:00 AM	43.8	36.7	12:35 PM - 12:40 PM	40.6	34.0
07:20 AM - 07:25 AM	50.9	44.8	10:00 AM - 10:05 AM	52.7	36.1	12:40 PM - 12:45 PM	54.0	40.0
07:25 AM - 07:30 AM	49.9	44.1	10:05 AM - 10:10 AM	54.0	37.1	12:45 PM - 12:50 PM	44.3	35.4
07:30 AM - 07:35 AM	51.1	45.9	10:10 AM - 10:15 AM	41.6	35.9	12:50 PM - 12:55 PM	42.9	36.5
07:35 AM - 07:40 AM	48.9	44.4	10:15 AM - 10:20 AM	44.2	36.9	12:55 PM - 01:00 PM	54.3	35.3
07:40 AM - 07:45 AM	47.4	43.1	10:20 AM - 10:25 AM	46.2	38.6	01:00 PM - 01:05 PM	44.0	33.5
07:45 AM - 07:50 AM	49.5	42.4	10:25 AM - 10:30 AM	43.1	37.0	01:05 PM - 01:10 PM	43.0	33.5
07:50 AM - 07:55 AM	45.1	40.1	10:30 AM - 10:35 AM	38.7	34.6	01:10 PM - 01:15 PM	45.2	36.3
07:55 AM - 08:00 AM	47.3	39.6	10:35 AM - 10:40 AM	41.7	36.8	01:15 PM - 01:20 PM	44.7	36.3
08:00 AM - 08:05 AM	47.9	40.3	10:40 AM - 10:45 AM	42.1	37.2	01:20 PM - 01:25 PM	42.4	34.7
08:05 AM - 08:10 AM	45.5	38.3	10:45 AM - 10:50 AM	45.1	38.8	01:25 PM - 01:30 PM	45.1	36.7
08:10 AM - 08:15 AM	48.7	39.1	10:50 AM - 10:55 AM	42.3	37.7	01:30 PM - 01:35 PM	42.0	35.1
08:15 AM - 08:20 AM	43.5	38.4	10:55 AM - 11:00 AM	42.0	35.1	01:35 PM - 01:40 PM	51.7	35.2
08:20 AM - 08:25 AM	49.2	39.8	11:00 AM - 11:05 AM	46.3	37.7	01:40 PM - 01:45 PM	44.4	34.9
08:25 AM - 08:30 AM	47.7	39.2	11:05 AM - 11:10 AM	43.1	34.2	01:45 PM - 01:50 PM	48.0	35.6
08:30 AM - 08:35 AM	48.1	41.5	11:10 AM - 11:15 AM	41.7	35.3	01:50 PM - 01:55 PM	48.1	36.3
08:35 AM - 08:40 AM	47.3	41.3	11:15 AM - 11:20 AM	53.1	34.1	01:55 PM - 02:00 PM	45.2	35.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509432-1

Page 1 of 3

Sample Number 22122147-15
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 21 - Nov 22, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 21, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	61.3	57.4	04:40 PM - 04:45 PM	62.8	58.1	07:20 PM - 07:25 PM	60.2	57.8
02:05 PM - 02:10 PM	58.9	57.2	04:45 PM - 04:50 PM	66.6	62.4	07:25 PM - 07:30 PM	60.5	57.8
02:10 PM - 02:15 PM	59.0	56.4	04:50 PM - 04:55 PM	64.0	60.9	07:30 PM - 07:35 PM	60.4	57.4
02:15 PM - 02:20 PM	64.2	57.3	04:55 PM - 05:00 PM	64.1	60.0	07:35 PM - 07:40 PM	59.5	57.7
02:20 PM - 02:25 PM	60.3	56.4	05:00 PM - 05:05 PM	60.7	58.6	07:40 PM - 07:45 PM	63.7	57.9
02:25 PM - 02:30 PM	58.6	56.2	05:05 PM - 05:10 PM	62.8	59.3	07:45 PM - 07:50 PM	62.0	57.8
02:30 PM - 02:35 PM	58.6	55.9	05:10 PM - 05:15 PM	63.0	59.3	07:50 PM - 07:55 PM	61.9	58.4
02:35 PM - 02:40 PM	58.2	56.5	05:15 PM - 05:20 PM	65.5	60.2	07:55 PM - 08:00 PM	58.9	57.3
02:40 PM - 02:45 PM	59.7	57.0	05:20 PM - 05:25 PM	63.1	58.9	08:00 PM - 08:05 PM	59.6	57.0
02:45 PM - 02:50 PM	60.2	56.4	05:25 PM - 05:30 PM	60.1	55.6	08:05 PM - 08:10 PM	61.3	57.4
02:50 PM - 02:55 PM	59.9	56.6	05:30 PM - 05:35 PM	62.3	59.6	08:10 PM - 08:15 PM	58.8	56.9
02:55 PM - 03:00 PM	59.4	56.8	05:35 PM - 05:40 PM	62.4	58.6	08:15 PM - 08:20 PM	59.1	57.2
03:00 PM - 03:05 PM	59.9	57.2	05:40 PM - 05:45 PM	61.4	58.4	08:20 PM - 08:25 PM	63.4	56.8
03:05 PM - 03:10 PM	59.5	56.8	05:45 PM - 05:50 PM	60.8	57.1	08:25 PM - 08:30 PM	58.1	56.8
03:10 PM - 03:15 PM	58.6	56.5	05:50 PM - 05:55 PM	61.4	57.0	08:30 PM - 08:35 PM	58.7	57.1
03:15 PM - 03:20 PM	59.6	57.0	05:55 PM - 06:00 PM	59.7	55.1	08:35 PM - 08:40 PM	58.5	57.0
03:20 PM - 03:25 PM	59.9	57.7	06:00 PM - 06:05 PM	60.8	56.5	08:40 PM - 08:45 PM	58.7	57.5
03:25 PM - 03:30 PM	60.2	58.3	06:05 PM - 06:10 PM	62.2	57.7	08:45 PM - 08:50 PM	58.4	57.2
03:30 PM - 03:35 PM	59.0	57.4	06:10 PM - 06:15 PM	60.8	56.3	08:50 PM - 08:55 PM	60.9	57.0
03:35 PM - 03:40 PM	60.9	58.8	06:15 PM - 06:20 PM	60.4	55.5	08:55 PM - 09:00 PM	59.9	56.8
03:40 PM - 03:45 PM	63.7	58.0	06:20 PM - 06:25 PM	62.1	56.2	09:00 PM - 09:05 PM	58.5	56.9
03:45 PM - 03:50 PM	63.8	61.1	06:25 PM - 06:30 PM	60.0	55.8	09:05 PM - 09:10 PM	57.8	56.9
03:50 PM - 03:55 PM	63.2	59.8	06:30 PM - 06:35 PM	60.2	54.2	09:10 PM - 09:15 PM	58.7	57.1
03:55 PM - 04:00 PM	62.5	58.9	06:35 PM - 06:40 PM	63.6	58.3	09:15 PM - 09:20 PM	58.0	56.9
04:00 PM - 04:05 PM	68.9	59.0	06:40 PM - 06:45 PM	65.9	60.6	09:20 PM - 09:25 PM	59.2	56.9
04:05 PM - 04:10 PM	61.5	59.1	06:45 PM - 06:50 PM	64.5	61.3	09:25 PM - 09:30 PM	58.1	57.0
04:10 PM - 04:15 PM	61.3	59.4	06:50 PM - 06:55 PM	64.3	60.0	09:30 PM - 09:35 PM	59.0	57.5
04:15 PM - 04:20 PM	62.1	59.1	06:55 PM - 07:00 PM	62.2	57.7	09:35 PM - 09:40 PM	58.5	57.3
04:20 PM - 04:25 PM	62.8	58.6	07:00 PM - 07:05 PM	60.4	57.9	09:40 PM - 09:45 PM	58.9	57.4
04:25 PM - 04:30 PM	61.5	58.1	07:05 PM - 07:10 PM	61.3	58.9	09:45 PM - 09:50 PM	58.7	57.3
04:30 PM - 04:35 PM	62.7	56.7	07:10 PM - 07:15 PM	61.2	58.7	09:50 PM - 09:55 PM	57.7	56.9
04:35 PM - 04:40 PM	59.6	56.4	07:15 PM - 07:20 PM	60.6	58.0	09:55 PM - 10:00 PM	59.3	57.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509432-1

Page 2 of 3

Sample Number 22122147-15
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 21 - Nov 22, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 21 - Nov 22, 2022	Leq	L90	Nov 22, 2022	Leq	L90	Nov 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	59.6	57.3	12:40 AM - 12:45 AM	58.6	57.7	03:20 AM - 03:25 AM	59.1	58.1
10:05 PM - 10:10 PM	58.9	57.5	12:45 AM - 12:50 AM	58.4	57.7	03:25 AM - 03:30 AM	59.0	58.3
10:10 PM - 10:15 PM	58.3	57.3	12:50 AM - 12:55 AM	58.6	57.7	03:30 AM - 03:35 AM	63.3	58.6
10:15 PM - 10:20 PM	58.2	57.2	12:55 AM - 01:00 AM	58.3	57.4	03:35 AM - 03:40 AM	59.6	58.2
10:20 PM - 10:25 PM	58.4	57.1	01:00 AM - 01:05 AM	58.3	57.7	03:40 AM - 03:45 AM	59.8	58.4
10:25 PM - 10:30 PM	58.8	57.5	01:05 AM - 01:10 AM	58.5	57.9	03:45 AM - 03:50 AM	59.4	57.8
10:30 PM - 10:35 PM	58.8	57.8	01:10 AM - 01:15 AM	59.1	58.0	03:50 AM - 03:55 AM	58.9	57.8
10:35 PM - 10:40 PM	58.7	58.0	01:15 AM - 01:20 AM	60.2	57.8	03:55 AM - 04:00 AM	58.6	57.9
10:40 PM - 10:45 PM	59.0	57.6	01:20 AM - 01:25 AM	58.6	58.0	04:00 AM - 04:05 AM	59.2	58.5
10:45 PM - 10:50 PM	61.8	57.9	01:25 AM - 01:30 AM	58.2	57.6	04:05 AM - 04:10 AM	59.3	58.3
10:50 PM - 10:55 PM	59.3	58.1	01:30 AM - 01:35 AM	58.4	57.8	04:10 AM - 04:15 AM	59.4	58.6
10:55 PM - 11:00 PM	59.7	57.7	01:35 AM - 01:40 AM	58.6	57.9	04:15 AM - 04:20 AM	59.6	58.7
11:00 PM - 11:05 PM	58.7	58.0	01:40 AM - 01:45 AM	58.7	57.9	04:20 AM - 04:25 AM	59.1	58.2
11:05 PM - 11:10 PM	59.1	58.2	01:45 AM - 01:50 AM	60.7	57.8	04:25 AM - 04:30 AM	59.4	58.0
11:10 PM - 11:15 PM	58.6	57.7	01:50 AM - 01:55 AM	61.1	58.1	04:30 AM - 04:35 AM	58.8	58.0
11:15 PM - 11:20 PM	58.9	58.1	01:55 AM - 02:00 AM	59.5	57.9	04:35 AM - 04:40 AM	59.2	57.9
11:20 PM - 11:25 PM	59.0	58.2	02:00 AM - 02:05 AM	58.6	57.9	04:40 AM - 04:45 AM	61.1	57.9
11:25 PM - 11:30 PM	59.3	58.3	02:05 AM - 02:10 AM	59.9	57.9	04:45 AM - 04:50 AM	56.7	48.5
11:30 PM - 11:35 PM	59.2	58.4	02:10 AM - 02:15 AM	59.8	58.0	04:50 AM - 04:55 AM	56.7	48.8
11:35 PM - 11:40 PM	59.1	58.3	02:15 AM - 02:20 AM	58.6	57.9	04:55 AM - 05:00 AM	56.7	49.8
11:40 PM - 11:45 PM	59.0	57.9	02:20 AM - 02:25 AM	58.7	58.1	05:00 AM - 05:05 AM	54.2	50.4
11:45 PM - 11:50 PM	60.9	58.0	02:25 AM - 02:30 AM	58.4	57.8	05:05 AM - 05:10 AM	60.5	52.7
11:50 PM - 11:55 PM	60.1	58.1	02:30 AM - 02:35 AM	59.2	58.0	05:10 AM - 05:15 AM	59.9	53.3
11:55 PM - 12:00 AM	59.5	58.3	02:35 AM - 02:40 AM	58.4	57.9	05:15 AM - 05:20 AM	56.3	53.4
12:00 AM - 12:05 AM	59.1	58.1	02:40 AM - 02:45 AM	59.4	57.9	05:20 AM - 05:25 AM	57.1	53.8
12:05 AM - 12:10 AM	59.1	58.3	02:45 AM - 02:50 AM	58.8	58.1	05:25 AM - 05:30 AM	58.0	54.7
12:10 AM - 12:15 AM	58.6	58.0	02:50 AM - 02:55 AM	58.8	58.0	05:30 AM - 05:35 AM	57.6	55.8
12:15 AM - 12:20 AM	58.9	57.9	02:55 AM - 03:00 AM	59.2	58.1	05:35 AM - 05:40 AM	59.8	57.3
12:20 AM - 12:25 AM	58.9	58.1	03:00 AM - 03:05 AM	58.9	58.1	05:40 AM - 05:45 AM	62.2	59.8
12:25 AM - 12:30 AM	58.5	57.7	03:05 AM - 03:10 AM	58.8	58.1	05:45 AM - 05:50 AM	60.3	56.0
12:30 AM - 12:35 AM	58.5	57.6	03:10 AM - 03:15 AM	60.0	58.1	05:50 AM - 05:55 AM	58.2	53.5
12:35 AM - 12:40 AM	58.1	57.5	03:15 AM - 03:20 AM	58.9	58.1	05:55 AM - 06:00 AM	60.1	55.0

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Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509432-1

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Sample Number : 22122147-15
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 21 - Nov 22, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	60.9	56.8	08:40 AM - 08:45 AM	62.5	57.6	11:20 AM - 11:25 AM	60.1	57.3
06:05 AM - 06:10 AM	61.2	57.1	08:45 AM - 08:50 AM	62.3	58.2	11:25 AM - 11:30 AM	61.1	57.6
06:10 AM - 06:15 AM	60.5	56.1	08:50 AM - 08:55 AM	62.0	58.1	11:30 AM - 11:35 AM	61.1	57.7
06:15 AM - 06:20 AM	61.7	57.4	08:55 AM - 09:00 AM	61.6	58.0	11:35 AM - 11:40 AM	59.8	57.4
06:20 AM - 06:25 AM	63.4	58.4	09:00 AM - 09:05 AM	60.9	57.3	11:40 AM - 11:45 AM	59.9	57.7
06:25 AM - 06:30 AM	61.2	56.3	09:05 AM - 09:10 AM	64.4	58.7	11:45 AM - 11:50 AM	61.5	58.1
06:30 AM - 06:35 AM	60.1	55.7	09:10 AM - 09:15 AM	63.0	57.2	11:50 AM - 11:55 AM	59.6	57.2
06:35 AM - 06:40 AM	60.4	55.4	09:15 AM - 09:20 AM	61.1	57.5	11:55 AM - 12:00 PM	61.6	58.8
06:40 AM - 06:45 AM	66.9	59.0	09:20 AM - 09:25 AM	61.2	57.8	12:00 PM - 12:05 PM	61.2	58.3
06:45 AM - 06:50 AM	65.0	61.3	09:25 AM - 09:30 AM	61.7	57.9	12:05 PM - 12:10 PM	58.9	56.3
06:50 AM - 06:55 AM	64.3	61.0	09:30 AM - 09:35 AM	62.1	58.1	12:10 PM - 12:15 PM	60.3	56.9
06:55 AM - 07:00 AM	64.9	60.9	09:35 AM - 09:40 AM	65.9	57.9	12:15 PM - 12:20 PM	59.0	56.6
07:00 AM - 07:05 AM	64.6	61.5	09:40 AM - 09:45 AM	66.0	57.6	12:20 PM - 12:25 PM	59.1	56.6
07:05 AM - 07:10 AM	66.1	63.0	09:45 AM - 09:50 AM	60.7	57.4	12:25 PM - 12:30 PM	59.6	57.1
07:10 AM - 07:15 AM	66.1	62.8	09:50 AM - 09:55 AM	61.3	58.3	12:30 PM - 12:35 PM	59.0	56.3
07:15 AM - 07:20 AM	66.0	62.8	09:55 AM - 10:00 AM	60.4	57.3	12:35 PM - 12:40 PM	59.2	56.3
07:20 AM - 07:25 AM	65.8	62.3	10:00 AM - 10:05 AM	61.2	58.1	12:40 PM - 12:45 PM	60.0	57.4
07:25 AM - 07:30 AM	65.1	61.6	10:05 AM - 10:10 AM	66.0	57.4	12:45 PM - 12:50 PM	59.5	56.2
07:30 AM - 07:35 AM	63.6	60.0	10:10 AM - 10:15 AM	60.6	57.4	12:50 PM - 12:55 PM	59.3	56.6
07:35 AM - 07:40 AM	63.5	58.8	10:15 AM - 10:20 AM	60.7	57.3	12:55 PM - 01:00 PM	69.4	57.5
07:40 AM - 07:45 AM	63.4	58.7	10:20 AM - 10:25 AM	61.4	58.0	01:00 PM - 01:05 PM	59.9	57.3
07:45 AM - 07:50 AM	63.1	59.9	10:25 AM - 10:30 AM	59.8	57.3	01:05 PM - 01:10 PM	59.9	57.1
07:50 AM - 07:55 AM	64.9	60.4	10:30 AM - 10:35 AM	59.9	57.4	01:10 PM - 01:15 PM	61.0	58.0
07:55 AM - 08:00 AM	63.3	59.0	10:35 AM - 10:40 AM	60.3	57.2	01:15 PM - 01:20 PM	59.8	57.1
08:00 AM - 08:05 AM	65.0	58.8	10:40 AM - 10:45 AM	60.4	57.6	01:20 PM - 01:25 PM	58.3	55.8
08:05 AM - 08:10 AM	61.7	57.5	10:45 AM - 10:50 AM	60.5	57.8	01:25 PM - 01:30 PM	59.7	56.7
08:10 AM - 08:15 AM	61.6	57.7	10:50 AM - 10:55 AM	60.4	57.1	01:30 PM - 01:35 PM	60.4	57.7
08:15 AM - 08:20 AM	61.6	57.9	10:55 AM - 11:00 AM	60.4	56.9	01:35 PM - 01:40 PM	66.8	57.5
08:20 AM - 08:25 AM	62.2	58.5	11:00 AM - 11:05 AM	59.7	57.1	01:40 PM - 01:45 PM	60.3	57.8
08:25 AM - 08:30 AM	62.2	58.3	11:05 AM - 11:10 AM	61.0	58.1	01:45 PM - 01:50 PM	60.6	57.7
08:30 AM - 08:35 AM	61.1	57.1	11:10 AM - 11:15 AM	60.7	58.0	01:50 PM - 01:55 PM	59.4	56.9
08:35 AM - 08:40 AM	65.4	57.6	11:15 AM - 11:20 AM	59.9	56.9	01:55 PM - 02:00 PM	60.3	57.6

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509433-1

Page 1 of 3

Sample Number 22122147-16
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 22 - Nov 23, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 22, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	60.2	57.5	04:40 PM - 04:45 PM	63.9	59.9	07:20 PM - 07:25 PM	60.3	57.3
02:05 PM - 02:10 PM	61.6	58.3	04:45 PM - 04:50 PM	66.3	62.8	07:25 PM - 07:30 PM	60.0	57.4
02:10 PM - 02:15 PM	60.1	57.2	04:50 PM - 04:55 PM	64.8	62.1	07:30 PM - 07:35 PM	59.1	56.9
02:15 PM - 02:20 PM	60.2	57.3	04:55 PM - 05:00 PM	63.4	60.3	07:35 PM - 07:40 PM	60.2	56.8
02:20 PM - 02:25 PM	60.2	57.5	05:00 PM - 05:05 PM	64.1	60.6	07:40 PM - 07:45 PM	60.4	57.1
02:25 PM - 02:30 PM	60.9	57.9	05:05 PM - 05:10 PM	63.0	60.0	07:45 PM - 07:50 PM	61.4	58.2
02:30 PM - 02:35 PM	60.0	57.3	05:10 PM - 05:15 PM	63.5	60.6	07:50 PM - 07:55 PM	60.9	58.4
02:35 PM - 02:40 PM	61.4	57.7	05:15 PM - 05:20 PM	64.0	61.1	07:55 PM - 08:00 PM	59.3	57.5
02:40 PM - 02:45 PM	59.8	56.9	05:20 PM - 05:25 PM	60.8	57.8	08:00 PM - 08:05 PM	59.6	57.5
02:45 PM - 02:50 PM	59.7	56.6	05:25 PM - 05:30 PM	61.0	58.0	08:05 PM - 08:10 PM	60.6	57.2
02:50 PM - 02:55 PM	60.4	57.6	05:30 PM - 05:35 PM	60.4	57.9	08:10 PM - 08:15 PM	58.0	56.8
02:55 PM - 03:00 PM	60.4	57.2	05:35 PM - 05:40 PM	61.1	57.9	08:15 PM - 08:20 PM	59.6	57.1
03:00 PM - 03:05 PM	60.9	57.3	05:40 PM - 05:45 PM	61.8	57.6	08:20 PM - 08:25 PM	59.0	57.1
03:05 PM - 03:10 PM	60.3	57.3	05:45 PM - 05:50 PM	60.8	56.3	08:25 PM - 08:30 PM	57.8	56.8
03:10 PM - 03:15 PM	60.7	58.0	05:50 PM - 05:55 PM	59.9	56.3	08:30 PM - 08:35 PM	58.5	56.8
03:15 PM - 03:20 PM	62.5	58.2	05:55 PM - 06:00 PM	60.1	56.4	08:35 PM - 08:40 PM	58.8	56.9
03:20 PM - 03:25 PM	61.8	58.6	06:00 PM - 06:05 PM	61.1	56.7	08:40 PM - 08:45 PM	59.0	57.4
03:25 PM - 03:30 PM	60.8	58.0	06:05 PM - 06:10 PM	65.0	57.5	08:45 PM - 08:50 PM	58.2	57.0
03:30 PM - 03:35 PM	60.9	58.0	06:10 PM - 06:15 PM	61.2	56.9	08:50 PM - 08:55 PM	59.9	57.2
03:35 PM - 03:40 PM	60.9	58.1	06:15 PM - 06:20 PM	61.2	56.5	08:55 PM - 09:00 PM	58.0	56.9
03:40 PM - 03:45 PM	63.5	58.6	06:20 PM - 06:25 PM	61.7	56.0	09:00 PM - 09:05 PM	58.9	56.8
03:45 PM - 03:50 PM	64.8	61.2	06:25 PM - 06:30 PM	58.6	54.0	09:05 PM - 09:10 PM	61.2	56.8
03:50 PM - 03:55 PM	62.5	59.0	06:30 PM - 06:35 PM	58.8	53.7	09:10 PM - 09:15 PM	58.7	57.1
03:55 PM - 04:00 PM	62.3	59.4	06:35 PM - 06:40 PM	59.1	54.6	09:15 PM - 09:20 PM	58.4	57.1
04:00 PM - 04:05 PM	61.8	59.0	06:40 PM - 06:45 PM	65.9	59.5	09:20 PM - 09:25 PM	57.8	56.9
04:05 PM - 04:10 PM	61.8	58.0	06:45 PM - 06:50 PM	64.9	60.2	09:25 PM - 09:30 PM	58.4	57.0
04:10 PM - 04:15 PM	61.4	58.2	06:50 PM - 06:55 PM	62.5	59.2	09:30 PM - 09:35 PM	59.0	56.8
04:15 PM - 04:20 PM	61.9	58.4	06:55 PM - 07:00 PM	61.3	57.8	09:35 PM - 09:40 PM	59.7	56.9
04:20 PM - 04:25 PM	61.5	58.3	07:00 PM - 07:05 PM	62.9	57.2	09:40 PM - 09:45 PM	57.9	56.5
04:25 PM - 04:30 PM	61.4	58.6	07:05 PM - 07:10 PM	67.3	58.5	09:45 PM - 09:50 PM	58.1	56.8
04:30 PM - 04:35 PM	62.1	58.5	07:10 PM - 07:15 PM	61.0	58.2	09:50 PM - 09:55 PM	57.6	56.7
04:35 PM - 04:40 PM	61.9	59.0	07:15 PM - 07:20 PM	60.8	57.2	09:55 PM - 10:00 PM	58.0	56.7

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509433-1

Page 2 of 3

Sample Number : 22122147-16
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 22 - Nov 23, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 22 - Nov 23, 2022	Leq	L90	Nov 23, 2022	Leq	L90	Nov 23, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	57.2	56.6	12:40 AM - 12:45 AM	57.0	56.3	03:20 AM - 03:25 AM	59.1	58.1
10:05 PM - 10:10 PM	57.1	56.4	12:45 AM - 12:50 AM	61.6	56.5	03:25 AM - 03:30 AM	58.7	57.9
10:10 PM - 10:15 PM	57.0	56.1	12:50 AM - 12:55 AM	63.2	56.5	03:30 AM - 03:35 AM	59.0	58.0
10:15 PM - 10:20 PM	57.2	56.0	12:55 AM - 01:00 AM	61.3	55.8	03:35 AM - 03:40 AM	66.8	57.7
10:20 PM - 10:25 PM	58.8	56.2	01:00 AM - 01:05 AM	66.1	56.1	03:40 AM - 03:45 AM	60.5	58.4
10:25 PM - 10:30 PM	59.8	56.1	01:05 AM - 01:10 AM	59.6	56.1	03:45 AM - 03:50 AM	59.6	57.8
10:30 PM - 10:35 PM	57.5	56.0	01:10 AM - 01:15 AM	56.8	56.0	03:50 AM - 03:55 AM	58.4	57.8
10:35 PM - 10:40 PM	57.7	56.0	01:15 AM - 01:20 AM	57.0	56.0	03:55 AM - 04:00 AM	58.7	57.9
10:40 PM - 10:45 PM	57.8	56.3	01:20 AM - 01:25 AM	57.1	56.2	04:00 AM - 04:05 AM	60.4	58.4
10:45 PM - 10:50 PM	59.6	56.4	01:25 AM - 01:30 AM	57.0	55.9	04:05 AM - 04:10 AM	59.1	58.1
10:50 PM - 10:55 PM	58.1	56.2	01:30 AM - 01:35 AM	57.1	55.3	04:10 AM - 04:15 AM	54.8	49.5
10:55 PM - 11:00 PM	57.2	56.2	01:35 AM - 01:40 AM	60.3	55.8	04:15 AM - 04:20 AM	51.6	49.5
11:00 PM - 11:05 PM	58.1	56.2	01:40 AM - 01:45 AM	60.0	55.7	04:20 AM - 04:25 AM	53.5	49.6
11:05 PM - 11:10 PM	57.5	56.3	01:45 AM - 01:50 AM	56.7	55.8	04:25 AM - 04:30 AM	52.1	49.5
11:10 PM - 11:15 PM	57.3	56.2	01:50 AM - 01:55 AM	56.7	55.9	04:30 AM - 04:35 AM	53.4	50.3
11:15 PM - 11:20 PM	57.1	56.4	01:55 AM - 02:00 AM	56.9	56.1	04:35 AM - 04:40 AM	54.5	50.8
11:20 PM - 11:25 PM	57.2	56.4	02:00 AM - 02:05 AM	57.5	55.9	04:40 AM - 04:45 AM	54.3	50.6
11:25 PM - 11:30 PM	57.7	56.3	02:05 AM - 02:10 AM	59.5	55.8	04:45 AM - 04:50 AM	59.7	52.5
11:30 PM - 11:35 PM	62.0	56.6	02:10 AM - 02:15 AM	57.3	56.0	04:50 AM - 04:55 AM	59.0	50.9
11:35 PM - 11:40 PM	57.8	57.1	02:15 AM - 02:20 AM	57.7	56.0	04:55 AM - 05:00 AM	56.4	51.9
11:40 PM - 11:45 PM	58.6	56.7	02:20 AM - 02:25 AM	57.9	56.3	05:00 AM - 05:05 AM	56.1	52.5
11:45 PM - 11:50 PM	60.4	56.8	02:25 AM - 02:30 AM	57.3	56.1	05:05 AM - 05:10 AM	56.9	53.8
11:50 PM - 11:55 PM	57.8	56.9	02:30 AM - 02:35 AM	57.5	56.4	05:10 AM - 05:15 AM	57.3	54.2
11:55 PM - 12:00 AM	58.4	56.6	02:35 AM - 02:40 AM	61.6	56.5	05:15 AM - 05:20 AM	56.0	54.2
12:00 AM - 12:05 AM	58.1	56.9	02:40 AM - 02:45 AM	58.1	56.9	05:20 AM - 05:25 AM	57.6	55.3
12:05 AM - 12:10 AM	57.7	56.9	02:45 AM - 02:50 AM	58.3	57.3	05:25 AM - 05:30 AM	59.4	56.7
12:10 AM - 12:15 AM	62.8	57.0	02:50 AM - 02:55 AM	58.3	57.2	05:30 AM - 05:35 AM	59.5	57.3
12:15 AM - 12:20 AM	57.5	56.7	02:55 AM - 03:00 AM	58.5	57.4	05:35 AM - 05:40 AM	60.3	58.3
12:20 AM - 12:25 AM	61.7	56.5	03:00 AM - 03:05 AM	58.5	57.8	05:40 AM - 05:45 AM	59.9	56.3
12:25 AM - 12:30 AM	57.4	56.6	03:05 AM - 03:10 AM	58.4	57.3	05:45 AM - 05:50 AM	60.1	55.5
12:30 AM - 12:35 AM	59.0	56.5	03:10 AM - 03:15 AM	58.3	57.5	05:50 AM - 05:55 AM	59.0	54.5
12:35 AM - 12:40 AM	57.8	56.4	03:15 AM - 03:20 AM	58.5	57.6	05:55 AM - 06:00 AM	59.8	56.0

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509433-1

Page 3 of 3

Sample Number : 22122147-16
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 22 - Nov 23, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	61.4	55.9	08:40 AM - 08:45 AM	61.5	57.7	11:20 AM - 11:25 AM	62.2	57.7
06:05 AM - 06:10 AM	61.5	57.6	08:45 AM - 08:50 AM	61.6	57.5	11:25 AM - 11:30 AM	60.6	57.3
06:10 AM - 06:15 AM	63.3	56.6	08:50 AM - 08:55 AM	61.6	57.4	11:30 AM - 11:35 AM	60.1	57.0
06:15 AM - 06:20 AM	60.7	56.8	08:55 AM - 09:00 AM	60.9	57.1	11:35 AM - 11:40 AM	60.4	56.8
06:20 AM - 06:25 AM	61.8	57.6	09:00 AM - 09:05 AM	61.7	57.5	11:40 AM - 11:45 AM	60.4	57.2
06:25 AM - 06:30 AM	61.5	57.1	09:05 AM - 09:10 AM	61.6	57.4	11:45 AM - 11:50 AM	62.1	57.9
06:30 AM - 06:35 AM	60.9	56.5	09:10 AM - 09:15 AM	60.5	56.9	11:50 AM - 11:55 AM	59.9	56.8
06:35 AM - 06:40 AM	60.5	54.8	09:15 AM - 09:20 AM	61.7	57.3	11:55 AM - 12:00 PM	58.7	56.2
06:40 AM - 06:45 AM	63.9	58.3	09:20 AM - 09:25 AM	62.0	57.7	12:00 PM - 12:05 PM	60.0	57.2
06:45 AM - 06:50 AM	65.0	62.6	09:25 AM - 09:30 AM	61.0	57.7	12:05 PM - 12:10 PM	60.2	56.7
06:50 AM - 06:55 AM	64.3	61.3	09:30 AM - 09:35 AM	61.4	57.5	12:10 PM - 12:15 PM	60.6	57.2
06:55 AM - 07:00 AM	64.5	60.8	09:35 AM - 09:40 AM	61.1	57.5	12:15 PM - 12:20 PM	60.9	57.5
07:00 AM - 07:05 AM	64.9	61.7	09:40 AM - 09:45 AM	61.2	57.1	12:20 PM - 12:25 PM	60.4	57.1
07:05 AM - 07:10 AM	66.3	62.7	09:45 AM - 09:50 AM	61.5	57.5	12:25 PM - 12:30 PM	60.7	57.5
07:10 AM - 07:15 AM	65.4	62.2	09:50 AM - 09:55 AM	61.3	57.5	12:30 PM - 12:35 PM	60.6	57.2
07:15 AM - 07:20 AM	64.6	61.9	09:55 AM - 10:00 AM	61.7	57.5	12:35 PM - 12:40 PM	60.6	57.8
07:20 AM - 07:25 AM	65.8	62.9	10:00 AM - 10:05 AM	61.6	57.7	12:40 PM - 12:45 PM	63.1	57.6
07:25 AM - 07:30 AM	65.2	61.4	10:05 AM - 10:10 AM	61.1	57.9	12:45 PM - 12:50 PM	59.9	57.0
07:30 AM - 07:35 AM	63.0	59.5	10:10 AM - 10:15 AM	61.4	58.3	12:50 PM - 12:55 PM	60.8	57.7
07:35 AM - 07:40 AM	62.5	59.1	10:15 AM - 10:20 AM	61.0	57.6	12:55 PM - 01:00 PM	60.3	57.6
07:40 AM - 07:45 AM	63.9	57.9	10:20 AM - 10:25 AM	60.5	57.6	01:00 PM - 01:05 PM	62.8	57.7
07:45 AM - 07:50 AM	64.0	60.1	10:25 AM - 10:30 AM	61.8	57.2	01:05 PM - 01:10 PM	60.0	57.4
07:50 AM - 07:55 AM	63.4	59.5	10:30 AM - 10:35 AM	61.1	57.7	01:10 PM - 01:15 PM	60.9	57.8
07:55 AM - 08:00 AM	63.3	58.9	10:35 AM - 10:40 AM	61.5	57.9	01:15 PM - 01:20 PM	60.6	57.8
08:00 AM - 08:05 AM	61.6	57.9	10:40 AM - 10:45 AM	61.0	57.6	01:20 PM - 01:25 PM	60.5	58.0
08:05 AM - 08:10 AM	62.1	57.8	10:45 AM - 10:50 AM	61.7	57.6	01:25 PM - 01:30 PM	60.8	58.0
08:10 AM - 08:15 AM	61.3	57.0	10:50 AM - 10:55 AM	61.7	58.1	01:30 PM - 01:35 PM	61.0	58.1
08:15 AM - 08:20 AM	60.7	57.2	10:55 AM - 11:00 AM	66.1	59.0	01:35 PM - 01:40 PM	61.9	58.1
08:20 AM - 08:25 AM	62.0	58.1	11:00 AM - 11:05 AM	60.8	57.8	01:40 PM - 01:45 PM	59.7	57.1
08:25 AM - 08:30 AM	60.4	57.3	11:05 AM - 11:10 AM	61.5	58.2	01:45 PM - 01:50 PM	61.0	57.9
08:30 AM - 08:35 AM	61.4	57.8	11:10 AM - 11:15 AM	61.2	57.9	01:50 PM - 01:55 PM	60.9	58.1
08:35 AM - 08:40 AM	61.2	57.2	11:15 AM - 11:20 AM	60.9	57.3	01:55 PM - 02:00 PM	60.7	57.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509434-1

Page 1 of 3

Sample Number 22122147-17
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 23 - Nov 24, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 23, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	61.1	58.0	04:40 PM - 04:45 PM	65.3	60.8	07:20 PM - 07:25 PM	62.8	59.8
02:05 PM - 02:10 PM	61.6	57.9	04:45 PM - 04:50 PM	68.3	62.9	07:25 PM - 07:30 PM	61.1	59.7
02:10 PM - 02:15 PM	60.9	57.6	04:50 PM - 04:55 PM	66.6	63.0	07:30 PM - 07:35 PM	61.2	59.7
02:15 PM - 02:20 PM	60.7	57.6	04:55 PM - 05:00 PM	64.4	60.7	07:35 PM - 07:40 PM	61.7	59.9
02:20 PM - 02:25 PM	61.2	57.5	05:00 PM - 05:05 PM	64.3	60.6	07:40 PM - 07:45 PM	65.4	60.0
02:25 PM - 02:30 PM	61.0	57.4	05:05 PM - 05:10 PM	64.8	60.6	07:45 PM - 07:50 PM	63.8	60.2
02:30 PM - 02:35 PM	60.3	57.1	05:10 PM - 05:15 PM	63.8	60.5	07:50 PM - 07:55 PM	61.9	60.1
02:35 PM - 02:40 PM	60.3	57.4	05:15 PM - 05:20 PM	63.9	61.1	07:55 PM - 08:00 PM	64.8	59.9
02:40 PM - 02:45 PM	61.0	57.8	05:20 PM - 05:25 PM	63.0	58.9	08:00 PM - 08:05 PM	61.7	59.7
02:45 PM - 02:50 PM	61.6	58.2	05:25 PM - 05:30 PM	60.5	57.2	08:05 PM - 08:10 PM	62.1	59.8
02:50 PM - 02:55 PM	60.5	57.7	05:30 PM - 05:35 PM	60.3	56.3	08:10 PM - 08:15 PM	61.2	59.5
02:55 PM - 03:00 PM	60.8	57.4	05:35 PM - 05:40 PM	61.4	54.3	08:15 PM - 08:20 PM	61.5	59.7
03:00 PM - 03:05 PM	60.4	57.2	05:40 PM - 05:45 PM	61.1	57.0	08:20 PM - 08:25 PM	60.6	59.5
03:05 PM - 03:10 PM	60.7	58.1	05:45 PM - 05:50 PM	62.4	56.1	08:25 PM - 08:30 PM	60.2	59.1
03:10 PM - 03:15 PM	60.9	57.6	05:50 PM - 05:55 PM	60.4	55.2	08:30 PM - 08:35 PM	60.5	59.2
03:15 PM - 03:20 PM	60.7	57.5	05:55 PM - 06:00 PM	60.4	55.3	08:35 PM - 08:40 PM	60.9	58.9
03:20 PM - 03:25 PM	59.9	57.5	06:00 PM - 06:05 PM	61.7	56.2	08:40 PM - 08:45 PM	60.4	59.0
03:25 PM - 03:30 PM	61.3	57.6	06:05 PM - 06:10 PM	60.8	56.7	08:45 PM - 08:50 PM	59.8	58.6
03:30 PM - 03:35 PM	60.3	57.2	06:10 PM - 06:15 PM	62.2	57.5	08:50 PM - 08:55 PM	59.9	58.6
03:35 PM - 03:40 PM	63.2	60.7	06:15 PM - 06:20 PM	61.9	59.2	08:55 PM - 09:00 PM	59.2	58.4
03:40 PM - 03:45 PM	63.3	60.6	06:20 PM - 06:25 PM	61.5	60.1	09:00 PM - 09:05 PM	60.0	58.2
03:45 PM - 03:50 PM	66.3	61.3	06:25 PM - 06:30 PM	62.3	60.2	09:05 PM - 09:10 PM	59.6	58.4
03:50 PM - 03:55 PM	63.3	59.3	06:30 PM - 06:35 PM	62.4	60.7	09:10 PM - 09:15 PM	61.3	58.5
03:55 PM - 04:00 PM	62.3	58.5	06:35 PM - 06:40 PM	63.0	61.7	09:15 PM - 09:20 PM	60.3	58.7
04:00 PM - 04:05 PM	63.5	59.4	06:40 PM - 06:45 PM	65.8	62.1	09:20 PM - 09:25 PM	59.9	58.4
04:05 PM - 04:10 PM	63.2	59.1	06:45 PM - 06:50 PM	66.5	63.1	09:25 PM - 09:30 PM	59.2	58.3
04:10 PM - 04:15 PM	63.5	58.0	06:50 PM - 06:55 PM	64.4	62.4	09:30 PM - 09:35 PM	59.7	58.8
04:15 PM - 04:20 PM	63.8	58.5	06:55 PM - 07:00 PM	63.5	59.8	09:35 PM - 09:40 PM	59.6	58.6
04:20 PM - 04:25 PM	62.4	57.8	07:00 PM - 07:05 PM	61.6	59.9	09:40 PM - 09:45 PM	60.7	58.4
04:25 PM - 04:30 PM	62.8	58.2	07:05 PM - 07:10 PM	62.6	59.9	09:45 PM - 09:50 PM	59.1	58.3
04:30 PM - 04:35 PM	63.5	58.5	07:10 PM - 07:15 PM	61.7	59.7	09:50 PM - 09:55 PM	59.9	58.4
04:35 PM - 04:40 PM	63.3	59.1	07:15 PM - 07:20 PM	61.2	59.5	09:55 PM - 10:00 PM	59.7	58.5

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509434-1

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Sample Number : 22122147-17
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 23 - Nov 24, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 23 - Nov 24, 2022	Leq	L90	Nov 24, 2022	Leq	L90	Nov 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	59.8	58.3	12:40 AM - 12:45 AM	60.0	58.0	03:20 AM - 03:25 AM	64.1	62.2
10:05 PM - 10:10 PM	60.2	58.5	12:45 AM - 12:50 AM	59.0	57.8	03:25 AM - 03:30 AM	63.3	62.5
10:10 PM - 10:15 PM	63.3	58.4	12:50 AM - 12:55 AM	59.0	58.0	03:30 AM - 03:35 AM	62.3	60.6
10:15 PM - 10:20 PM	66.2	58.6	12:55 AM - 01:00 AM	68.2	58.4	03:35 AM - 03:40 AM	60.9	59.7
10:20 PM - 10:25 PM	69.3	58.8	01:00 AM - 01:05 AM	68.3	58.1	03:40 AM - 03:45 AM	61.5	60.7
10:25 PM - 10:30 PM	60.2	58.5	01:05 AM - 01:10 AM	59.2	58.2	03:45 AM - 03:50 AM	61.9	59.9
10:30 PM - 10:35 PM	59.8	58.3	01:10 AM - 01:15 AM	59.5	58.4	03:50 AM - 03:55 AM	61.3	60.0
10:35 PM - 10:40 PM	64.4	57.8	01:15 AM - 01:20 AM	59.6	58.3	03:55 AM - 04:00 AM	59.3	58.2
10:40 PM - 10:45 PM	60.1	57.7	01:20 AM - 01:25 AM	58.6	57.7	04:00 AM - 04:05 AM	61.4	59.1
10:45 PM - 10:50 PM	69.3	58.1	01:25 AM - 01:30 AM	58.7	57.9	04:05 AM - 04:10 AM	66.8	59.3
10:50 PM - 10:55 PM	61.7	58.2	01:30 AM - 01:35 AM	58.7	57.7	04:10 AM - 04:15 AM	59.9	58.8
10:55 PM - 11:00 PM	59.4	58.1	01:35 AM - 01:40 AM	59.1	58.1	04:15 AM - 04:20 AM	60.1	59.1
11:00 PM - 11:05 PM	59.6	58.0	01:40 AM - 01:45 AM	59.5	58.5	04:20 AM - 04:25 AM	60.8	59.4
11:05 PM - 11:10 PM	61.0	58.2	01:45 AM - 01:50 AM	59.2	58.5	04:25 AM - 04:30 AM	59.8	59.1
11:10 PM - 11:15 PM	59.4	58.1	01:50 AM - 01:55 AM	59.4	58.6	04:30 AM - 04:35 AM	59.9	48.9
11:15 PM - 11:20 PM	59.8	58.1	01:55 AM - 02:00 AM	62.1	58.9	04:35 AM - 04:40 AM	56.4	49.5
11:20 PM - 11:25 PM	61.7	58.2	02:00 AM - 02:05 AM	59.4	58.8	04:40 AM - 04:45 AM	55.9	47.9
11:25 PM - 11:30 PM	59.4	58.1	02:05 AM - 02:10 AM	59.3	58.2	04:45 AM - 04:50 AM	56.1	50.0
11:30 PM - 11:35 PM	59.3	58.0	02:10 AM - 02:15 AM	59.1	58.5	04:50 AM - 04:55 AM	58.9	49.0
11:35 PM - 11:40 PM	61.1	58.1	02:15 AM - 02:20 AM	59.4	58.6	04:55 AM - 05:00 AM	60.7	49.3
11:40 PM - 11:45 PM	63.0	57.8	02:20 AM - 02:25 AM	59.1	58.3	05:00 AM - 05:05 AM	57.7	51.6
11:45 PM - 11:50 PM	59.8	57.7	02:25 AM - 02:30 AM	59.3	58.2	05:05 AM - 05:10 AM	62.1	53.5
11:50 PM - 11:55 PM	59.6	57.7	02:30 AM - 02:35 AM	59.0	57.5	05:10 AM - 05:15 AM	63.6	62.2
11:55 PM - 12:00 AM	59.1	57.8	02:35 AM - 02:40 AM	61.6	58.0	05:15 AM - 05:20 AM	63.2	61.9
12:00 AM - 12:05 AM	62.8	57.8	02:40 AM - 02:45 AM	60.7	58.3	05:20 AM - 05:25 AM	64.0	63.0
12:05 AM - 12:10 AM	60.6	58.0	02:45 AM - 02:50 AM	60.5	58.3	05:25 AM - 05:30 AM	62.7	61.4
12:10 AM - 12:15 AM	59.0	58.2	02:50 AM - 02:55 AM	67.1	62.1	05:30 AM - 05:35 AM	61.9	60.2
12:15 AM - 12:20 AM	60.9	58.4	02:55 AM - 03:00 AM	61.8	61.0	05:35 AM - 05:40 AM	69.1	62.2
12:20 AM - 12:25 AM	58.6	57.7	03:00 AM - 03:05 AM	63.1	61.3	05:40 AM - 05:45 AM	68.4	65.9
12:25 AM - 12:30 AM	64.9	58.8	03:05 AM - 03:10 AM	63.5	62.2	05:45 AM - 05:50 AM	67.1	63.9
12:30 AM - 12:35 AM	61.6	59.9	03:10 AM - 03:15 AM	64.7	62.7	05:50 AM - 05:55 AM	67.3	60.2
12:35 AM - 12:40 AM	59.4	58.7	03:15 AM - 03:20 AM	63.8	62.6	05:55 AM - 06:00 AM	68.4	63.6

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509434-1

Page 3 of 3

Sample Number : 22122147-17
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 23 - Nov 24, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	68.4	64.5	08:40 AM - 08:45 AM	63.8	59.0	11:20 AM - 11:25 AM	63.2	59.6
06:05 AM - 06:10 AM	66.7	64.5	08:45 AM - 08:50 AM	63.6	58.1	11:25 AM - 11:30 AM	62.2	58.1
06:10 AM - 06:15 AM	67.8	63.8	08:50 AM - 08:55 AM	64.2	58.8	11:30 AM - 11:35 AM	62.5	58.5
06:15 AM - 06:20 AM	68.6	67.4	08:55 AM - 09:00 AM	63.3	58.5	11:35 AM - 11:40 AM	63.2	58.3
06:20 AM - 06:25 AM	68.6	66.4	09:00 AM - 09:05 AM	63.6	58.4	11:40 AM - 11:45 AM	62.7	58.4
06:25 AM - 06:30 AM	67.9	65.7	09:05 AM - 09:10 AM	62.9	57.8	11:45 AM - 11:50 AM	63.7	59.6
06:30 AM - 06:35 AM	66.9	65.4	09:10 AM - 09:15 AM	61.9	57.4	11:50 AM - 11:55 AM	63.0	58.2
06:35 AM - 06:40 AM	66.6	65.5	09:15 AM - 09:20 AM	62.2	57.7	11:55 AM - 12:00 PM	62.7	57.7
06:40 AM - 06:45 AM	67.8	66.3	09:20 AM - 09:25 AM	64.6	59.0	12:00 PM - 12:05 PM	62.5	57.5
06:45 AM - 06:50 AM	67.8	63.8	09:25 AM - 09:30 AM	63.2	59.0	12:05 PM - 12:10 PM	62.7	57.9
06:50 AM - 06:55 AM	67.9	65.7	09:30 AM - 09:35 AM	62.6	58.0	12:10 PM - 12:15 PM	62.8	58.0
06:55 AM - 07:00 AM	66.9	65.4	09:35 AM - 09:40 AM	62.1	57.6	12:15 PM - 12:20 PM	62.3	57.3
07:00 AM - 07:05 AM	66.9	65.2	09:40 AM - 09:45 AM	62.2	57.6	12:20 PM - 12:25 PM	62.4	57.5
07:05 AM - 07:10 AM	67.9	65.3	09:45 AM - 09:50 AM	62.1	57.5	12:25 PM - 12:30 PM	62.2	57.6
07:10 AM - 07:15 AM	68.0	65.0	09:50 AM - 09:55 AM	62.2	57.6	12:30 PM - 12:35 PM	62.3	57.6
07:15 AM - 07:20 AM	67.8	63.8	09:55 AM - 10:00 AM	62.8	57.9	12:35 PM - 12:40 PM	62.5	57.6
07:20 AM - 07:25 AM	64.7	60.2	10:00 AM - 10:05 AM	62.1	57.5	12:40 PM - 12:45 PM	61.9	57.8
07:25 AM - 07:30 AM	65.3	62.1	10:05 AM - 10:10 AM	62.2	57.8	12:45 PM - 12:50 PM	61.4	57.5
07:30 AM - 07:35 AM	66.4	62.8	10:10 AM - 10:15 AM	62.1	57.8	12:50 PM - 12:55 PM	62.2	57.8
07:35 AM - 07:40 AM	65.7	61.0	10:15 AM - 10:20 AM	61.8	57.4	12:55 PM - 01:00 PM	62.7	58.1
07:40 AM - 07:45 AM	64.7	60.2	10:20 AM - 10:25 AM	63.3	57.8	01:00 PM - 01:05 PM	62.8	58.4
07:45 AM - 07:50 AM	64.7	60.2	10:25 AM - 10:30 AM	62.5	57.7	01:05 PM - 01:10 PM	62.5	58.2
07:50 AM - 07:55 AM	65.7	61.7	10:30 AM - 10:35 AM	62.9	58.1	01:10 PM - 01:15 PM	61.5	57.4
07:55 AM - 08:00 AM	65.5	61.3	10:35 AM - 10:40 AM	62.4	58.0	01:15 PM - 01:20 PM	61.4	57.6
08:00 AM - 08:05 AM	64.0	59.8	10:40 AM - 10:45 AM	63.0	58.1	01:20 PM - 01:25 PM	61.4	57.9
08:05 AM - 08:10 AM	63.2	58.6	10:45 AM - 10:50 AM	61.9	57.7	01:25 PM - 01:30 PM	61.7	57.8
08:10 AM - 08:15 AM	63.5	59.0	10:50 AM - 10:55 AM	62.0	57.8	01:30 PM - 01:35 PM	61.1	57.6
08:15 AM - 08:20 AM	63.1	58.3	10:55 AM - 11:00 AM	61.3	57.3	01:35 PM - 01:40 PM	61.7	58.0
08:20 AM - 08:25 AM	63.4	58.8	11:00 AM - 11:05 AM	62.5	57.8	01:40 PM - 01:45 PM	61.9	58.0
08:25 AM - 08:30 AM	63.8	59.3	11:05 AM - 11:10 AM	61.7	57.5	01:45 PM - 01:50 PM	61.3	57.4
08:30 AM - 08:35 AM	63.1	58.2	11:10 AM - 11:15 AM	61.9	57.4	01:50 PM - 01:55 PM	61.9	58.0
08:35 AM - 08:40 AM	65.4	59.1	11:15 AM - 11:20 AM	62.5	58.5	01:55 PM - 02:00 PM	62.2	58.0

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509435-1

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Sample Number : 22122147-18
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 24 - Nov 25, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 24, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	62.3	58.3	04:40 PM - 04:45 PM	64.2	59.8	07:20 PM - 07:25 PM	62.9	58.4
02:05 PM - 02:10 PM	61.9	58.3	04:45 PM - 04:50 PM	66.2	62.9	07:25 PM - 07:30 PM	61.5	59.1
02:10 PM - 02:15 PM	61.8	58.1	04:50 PM - 04:55 PM	65.2	62.0	07:30 PM - 07:35 PM	62.8	58.9
02:15 PM - 02:20 PM	61.9	57.4	04:55 PM - 05:00 PM	64.2	61.0	07:35 PM - 07:40 PM	61.9	59.3
02:20 PM - 02:25 PM	61.3	57.1	05:00 PM - 05:05 PM	63.0	60.5	07:40 PM - 07:45 PM	62.3	59.0
02:25 PM - 02:30 PM	61.2	57.1	05:05 PM - 05:10 PM	64.1	61.1	07:45 PM - 07:50 PM	63.6	59.7
02:30 PM - 02:35 PM	61.7	57.9	05:10 PM - 05:15 PM	63.7	60.7	07:50 PM - 07:55 PM	66.5	58.9
02:35 PM - 02:40 PM	61.3	57.0	05:15 PM - 05:20 PM	63.8	61.5	07:55 PM - 08:00 PM	61.3	59.1
02:40 PM - 02:45 PM	61.5	57.1	05:20 PM - 05:25 PM	63.7	61.1	08:00 PM - 08:05 PM	63.5	59.0
02:45 PM - 02:50 PM	62.2	57.3	05:25 PM - 05:30 PM	61.7	57.3	08:05 PM - 08:10 PM	62.5	58.5
02:50 PM - 02:55 PM	61.0	57.0	05:30 PM - 05:35 PM	58.8	56.6	08:10 PM - 08:15 PM	62.3	58.0
02:55 PM - 03:00 PM	61.8	57.7	05:35 PM - 05:40 PM	60.1	56.5	08:15 PM - 08:20 PM	65.7	58.1
03:00 PM - 03:05 PM	63.3	59.3	05:40 PM - 05:45 PM	60.3	57.3	08:20 PM - 08:25 PM	61.1	57.6
03:05 PM - 03:10 PM	63.3	59.1	05:45 PM - 05:50 PM	60.0	56.4	08:25 PM - 08:30 PM	61.4	57.7
03:10 PM - 03:15 PM	63.3	58.2	05:50 PM - 05:55 PM	60.2	56.2	08:30 PM - 08:35 PM	61.5	59.1
03:15 PM - 03:20 PM	62.6	58.1	05:55 PM - 06:00 PM	60.9	56.3	08:35 PM - 08:40 PM	62.8	58.9
03:20 PM - 03:25 PM	63.3	58.9	06:00 PM - 06:05 PM	60.6	57.1	08:40 PM - 08:45 PM	60.3	57.9
03:25 PM - 03:30 PM	63.4	59.2	06:05 PM - 06:10 PM	62.5	57.8	08:45 PM - 08:50 PM	63.8	58.5
03:30 PM - 03:35 PM	63.3	58.8	06:10 PM - 06:15 PM	62.0	56.6	08:50 PM - 08:55 PM	63.9	58.7
03:35 PM - 03:40 PM	63.4	59.1	06:15 PM - 06:20 PM	59.4	56.0	08:55 PM - 09:00 PM	60.5	58.8
03:40 PM - 03:45 PM	65.2	59.9	06:20 PM - 06:25 PM	61.4	56.3	09:00 PM - 09:05 PM	59.8	58.6
03:45 PM - 03:50 PM	64.5	61.1	06:25 PM - 06:30 PM	62.0	55.0	09:05 PM - 09:10 PM	64.2	59.8
03:50 PM - 03:55 PM	64.1	60.2	06:30 PM - 06:35 PM	61.9	54.8	09:10 PM - 09:15 PM	63.6	59.8
03:55 PM - 04:00 PM	63.1	59.4	06:35 PM - 06:40 PM	62.6	55.4	09:15 PM - 09:20 PM	59.6	58.3
04:00 PM - 04:05 PM	62.0	58.0	06:40 PM - 06:45 PM	65.6	59.0	09:20 PM - 09:25 PM	64.0	58.2
04:05 PM - 04:10 PM	62.9	58.3	06:45 PM - 06:50 PM	66.9	62.7	09:25 PM - 09:30 PM	60.1	58.0
04:10 PM - 04:15 PM	62.2	58.2	06:50 PM - 06:55 PM	64.7	60.8	09:30 PM - 09:35 PM	59.3	57.9
04:15 PM - 04:20 PM	63.0	58.3	06:55 PM - 07:00 PM	63.5	59.9	09:35 PM - 09:40 PM	59.3	58.1
04:20 PM - 04:25 PM	62.5	58.5	07:00 PM - 07:05 PM	64.2	59.8	09:40 PM - 09:45 PM	59.5	57.5
04:25 PM - 04:30 PM	62.8	59.0	07:05 PM - 07:10 PM	63.6	59.8	09:45 PM - 09:50 PM	59.7	57.3
04:30 PM - 04:35 PM	63.7	58.5	07:10 PM - 07:15 PM	65.6	60.6	09:50 PM - 09:55 PM	59.4	58.2
04:35 PM - 04:40 PM	63.6	59.5	07:15 PM - 07:20 PM	63.4	59.4	09:55 PM - 10:00 PM	59.2	57.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509435-1

Page 2 of 3

Sample Number : 22122147-18
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 24 - Nov 25, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 24 - Nov 25, 2022	Leq	L90	Nov 25, 2022	Leq	L90	Nov 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	62.4	58.2	12:40 AM - 12:45 AM	62.6	58.6	03:20 AM - 03:25 AM	60.2	59.4
10:05 PM - 10:10 PM	58.8	57.5	12:45 AM - 12:50 AM	59.2	58.6	03:25 AM - 03:30 AM	60.2	59.4
10:10 PM - 10:15 PM	58.5	57.4	12:50 AM - 12:55 AM	59.3	58.5	03:30 AM - 03:35 AM	60.7	59.2
10:15 PM - 10:20 PM	60.1	57.8	12:55 AM - 01:00 AM	59.5	58.6	03:35 AM - 03:40 AM	62.8	50.0
10:20 PM - 10:25 PM	58.5	57.8	01:00 AM - 01:05 AM	59.2	58.6	03:40 AM - 03:45 AM	65.0	59.5
10:25 PM - 10:30 PM	58.9	57.7	01:05 AM - 01:10 AM	59.2	58.5	03:45 AM - 03:50 AM	62.5	59.2
10:30 PM - 10:35 PM	59.0	57.9	01:10 AM - 01:15 AM	59.6	58.6	03:50 AM - 03:55 AM	65.0	59.2
10:35 PM - 10:40 PM	59.5	58.2	01:15 AM - 01:20 AM	64.4	58.7	03:55 AM - 04:00 AM	60.6	59.5
10:40 PM - 10:45 PM	59.5	58.2	01:20 AM - 01:25 AM	61.4	58.9	04:00 AM - 04:05 AM	60.0	59.2
10:45 PM - 10:50 PM	59.9	58.6	01:25 AM - 01:30 AM	59.7	58.8	04:05 AM - 04:10 AM	65.9	59.4
10:50 PM - 10:55 PM	59.6	58.8	01:30 AM - 01:35 AM	59.6	58.8	04:10 AM - 04:15 AM	61.6	59.5
10:55 PM - 11:00 PM	59.8	58.8	01:35 AM - 01:40 AM	65.3	59.0	04:15 AM - 04:20 AM	60.5	59.5
11:00 PM - 11:05 PM	59.7	58.8	01:40 AM - 01:45 AM	59.7	58.9	04:20 AM - 04:25 AM	60.2	58.9
11:05 PM - 11:10 PM	60.3	58.9	01:45 AM - 01:50 AM	59.8	58.6	04:25 AM - 04:30 AM	62.8	50.0
11:10 PM - 11:15 PM	60.5	58.4	01:50 AM - 01:55 AM	59.6	58.8	04:30 AM - 04:35 AM	53.7	49.9
11:15 PM - 11:20 PM	60.0	58.5	01:55 AM - 02:00 AM	59.6	59.0	04:35 AM - 04:40 AM	55.9	47.2
11:20 PM - 11:25 PM	60.0	58.8	02:00 AM - 02:05 AM	59.6	58.9	04:40 AM - 04:45 AM	55.9	48.8
11:25 PM - 11:30 PM	62.7	58.5	02:05 AM - 02:10 AM	60.9	59.1	04:45 AM - 04:50 AM	59.2	47.0
11:30 PM - 11:35 PM	59.3	58.6	02:10 AM - 02:15 AM	69.6	59.2	04:50 AM - 04:55 AM	57.4	47.2
11:35 PM - 11:40 PM	69.3	58.7	02:15 AM - 02:20 AM	60.0	58.8	04:55 AM - 05:00 AM	50.6	46.4
11:40 PM - 11:45 PM	61.3	58.4	02:20 AM - 02:25 AM	65.0	59.2	05:00 AM - 05:05 AM	54.6	49.3
11:45 PM - 11:50 PM	60.5	58.4	02:25 AM - 02:30 AM	67.6	59.1	05:05 AM - 05:10 AM	53.9	49.9
11:50 PM - 11:55 PM	60.0	58.5	02:30 AM - 02:35 AM	59.9	58.9	05:10 AM - 05:15 AM	55.0	50.4
11:55 PM - 12:00 AM	59.6	58.6	02:35 AM - 02:40 AM	59.6	59.0	05:15 AM - 05:20 AM	59.3	51.6
12:00 AM - 12:05 AM	59.7	58.8	02:40 AM - 02:45 AM	62.5	59.2	05:20 AM - 05:25 AM	56.4	51.2
12:05 AM - 12:10 AM	59.4	58.4	02:45 AM - 02:50 AM	59.9	59.2	05:25 AM - 05:30 AM	57.2	52.4
12:10 AM - 12:15 AM	60.0	58.8	02:50 AM - 02:55 AM	60.5	59.0	05:30 AM - 05:35 AM	57.5	53.1
12:15 AM - 12:20 AM	59.6	58.6	02:55 AM - 03:00 AM	60.5	59.5	05:35 AM - 05:40 AM	58.4	55.1
12:20 AM - 12:25 AM	59.4	58.4	03:00 AM - 03:05 AM	60.0	59.2	05:40 AM - 05:45 AM	60.7	56.2
12:25 AM - 12:30 AM	59.4	58.5	03:05 AM - 03:10 AM	60.1	59.3	05:45 AM - 05:50 AM	60.2	55.1
12:30 AM - 12:35 AM	59.2	58.4	03:10 AM - 03:15 AM	60.1	59.4	05:50 AM - 05:55 AM	61.3	56.8
12:35 AM - 12:40 AM	59.2	58.4	03:15 AM - 03:20 AM	60.1	59.2	05:55 AM - 06:00 AM	65.1	54.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509435-1

Page 3 of 3

Sample Number : 22122147-18
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 24 - Nov 25, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	65.2	58.1	08:40 AM - 08:45 AM	58.8	56.4	11:20 AM - 11:25 AM	57.9	55.6
06:05 AM - 06:10 AM	62.5	59.2	08:45 AM - 08:50 AM	60.0	56.3	11:25 AM - 11:30 AM	59.8	54.9
06:10 AM - 06:15 AM	61.5	58.3	08:50 AM - 08:55 AM	62.2	56.3	11:30 AM - 11:35 AM	58.7	55.5
06:15 AM - 06:20 AM	62.8	57.9	08:55 AM - 09:00 AM	59.3	56.3	11:35 AM - 11:40 AM	60.5	55.9
06:20 AM - 06:25 AM	63.1	58.3	09:00 AM - 09:05 AM	58.8	56.3	11:40 AM - 11:45 AM	58.6	56.0
06:25 AM - 06:30 AM	62.0	58.1	09:05 AM - 09:10 AM	60.0	56.4	11:45 AM - 11:50 AM	60.3	55.0
06:30 AM - 06:35 AM	60.5	56.5	09:10 AM - 09:15 AM	58.9	56.3	11:50 AM - 11:55 AM	57.3	55.1
06:35 AM - 06:40 AM	60.0	55.4	09:15 AM - 09:20 AM	59.5	56.5	11:55 AM - 12:00 PM	59.4	55.6
06:40 AM - 06:45 AM	64.8	59.8	09:20 AM - 09:25 AM	59.8	56.8	12:00 PM - 12:05 PM	57.9	55.8
06:45 AM - 06:50 AM	66.4	63.0	09:25 AM - 09:30 AM	59.3	56.5	12:05 PM - 12:10 PM	57.2	55.3
06:50 AM - 06:55 AM	65.9	61.5	09:30 AM - 09:35 AM	61.1	56.2	12:10 PM - 12:15 PM	57.1	55.3
06:55 AM - 07:00 AM	64.0	61.0	09:35 AM - 09:40 AM	58.8	55.8	12:15 PM - 12:20 PM	59.9	55.4
07:00 AM - 07:05 AM	64.8	61.5	09:40 AM - 09:45 AM	60.2	56.4	12:20 PM - 12:25 PM	60.4	55.7
07:05 AM - 07:10 AM	67.6	63.5	09:45 AM - 09:50 AM	59.6	56.0	12:25 PM - 12:30 PM	57.7	56.0
07:10 AM - 07:15 AM	66.3	63.3	09:50 AM - 09:55 AM	58.7	56.1	12:30 PM - 12:35 PM	59.5	56.0
07:15 AM - 07:20 AM	66.1	63.0	09:55 AM - 10:00 AM	57.6	55.6	12:35 PM - 12:40 PM	58.0	55.7
07:20 AM - 07:25 AM	65.5	61.8	10:00 AM - 10:05 AM	59.6	56.9	12:40 PM - 12:45 PM	58.5	55.8
07:25 AM - 07:30 AM	64.3	61.0	10:05 AM - 10:10 AM	58.9	55.1	12:45 PM - 12:50 PM	58.3	55.8
07:30 AM - 07:35 AM	62.3	59.5	10:10 AM - 10:15 AM	57.8	55.8	12:50 PM - 12:55 PM	58.1	56.1
07:35 AM - 07:40 AM	61.1	58.5	10:15 AM - 10:20 AM	59.0	56.0	12:55 PM - 01:00 PM	57.7	56.5
07:40 AM - 07:45 AM	60.8	57.6	10:20 AM - 10:25 AM	58.7	55.9	01:00 PM - 01:05 PM	58.4	56.4
07:45 AM - 07:50 AM	62.5	58.8	10:25 AM - 10:30 AM	60.0	56.8	01:05 PM - 01:10 PM	58.9	55.8
07:50 AM - 07:55 AM	62.1	59.4	10:30 AM - 10:35 AM	58.8	56.0	01:10 PM - 01:15 PM	57.9	55.7
07:55 AM - 08:00 AM	62.6	58.6	10:35 AM - 10:40 AM	59.5	56.3	01:15 PM - 01:20 PM	58.4	55.8
08:00 AM - 08:05 AM	60.6	58.1	10:40 AM - 10:45 AM	58.2	56.0	01:20 PM - 01:25 PM	58.0	55.7
08:05 AM - 08:10 AM	60.8	57.6	10:45 AM - 10:50 AM	58.9	55.7	01:25 PM - 01:30 PM	59.9	56.3
08:10 AM - 08:15 AM	59.7	56.9	10:50 AM - 10:55 AM	57.1	55.2	01:30 PM - 01:35 PM	60.1	54.9
08:15 AM - 08:20 AM	61.3	57.5	10:55 AM - 11:00 AM	58.1	55.2	01:35 PM - 01:40 PM	58.4	55.4
08:20 AM - 08:25 AM	64.0	56.9	11:00 AM - 11:05 AM	57.8	55.6	01:40 PM - 01:45 PM	59.7	56.4
08:25 AM - 08:30 AM	59.9	57.4	11:05 AM - 11:10 AM	60.4	55.8	01:45 PM - 01:50 PM	60.1	56.0
08:30 AM - 08:35 AM	63.1	56.5	11:10 AM - 11:15 AM	58.9	55.6	01:50 PM - 01:55 PM	57.8	55.4
08:35 AM - 08:40 AM	59.6	57.3	11:15 AM - 11:20 AM	60.8	55.6	01:55 PM - 02:00 PM	65.4	56.0

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509436-1

Page 1 of 3

Sample Number 22122147-19
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 25 - Nov 26, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 25, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	58.8	55.8	04:40 PM - 04:45 PM	64.9	58.8	07:20 PM - 07:25 PM	62.3	58.8
02:05 PM - 02:10 PM	59.2	56.4	04:45 PM - 04:50 PM	65.2	62.2	07:25 PM - 07:30 PM	62.7	58.7
02:10 PM - 02:15 PM	58.9	55.6	04:50 PM - 04:55 PM	65.6	61.6	07:30 PM - 07:35 PM	63.5	59.0
02:15 PM - 02:20 PM	59.2	56.2	04:55 PM - 05:00 PM	66.9	62.2	07:35 PM - 07:40 PM	64.5	59.2
02:20 PM - 02:25 PM	62.7	56.4	05:00 PM - 05:05 PM	64.0	62.2	07:40 PM - 07:45 PM	62.9	59.0
02:25 PM - 02:30 PM	58.1	55.8	05:05 PM - 05:10 PM	64.4	61.1	07:45 PM - 07:50 PM	62.0	59.0
02:30 PM - 02:35 PM	58.1	55.4	05:10 PM - 05:15 PM	63.4	60.9	07:50 PM - 07:55 PM	61.4	58.8
02:35 PM - 02:40 PM	58.3	55.6	05:15 PM - 05:20 PM	61.4	59.8	07:55 PM - 08:00 PM	61.8	59.1
02:40 PM - 02:45 PM	59.9	55.5	05:20 PM - 05:25 PM	61.3	58.9	08:00 PM - 08:05 PM	59.8	58.8
02:45 PM - 02:50 PM	57.5	55.5	05:25 PM - 05:30 PM	61.7	59.1	08:05 PM - 08:10 PM	60.3	58.4
02:50 PM - 02:55 PM	58.6	56.2	05:30 PM - 05:35 PM	61.6	58.8	08:10 PM - 08:15 PM	60.4	58.8
02:55 PM - 03:00 PM	60.5	56.6	05:35 PM - 05:40 PM	62.7	59.0	08:15 PM - 08:20 PM	60.2	58.7
03:00 PM - 03:05 PM	57.6	55.9	05:40 PM - 05:45 PM	62.5	59.1	08:20 PM - 08:25 PM	60.2	58.8
03:05 PM - 03:10 PM	59.0	56.2	05:45 PM - 05:50 PM	65.7	57.1	08:25 PM - 08:30 PM	61.2	58.9
03:10 PM - 03:15 PM	59.6	56.7	05:50 PM - 05:55 PM	60.3	55.9	08:30 PM - 08:35 PM	61.4	58.9
03:15 PM - 03:20 PM	61.9	56.7	05:55 PM - 06:00 PM	60.2	55.3	08:35 PM - 08:40 PM	60.8	57.6
03:20 PM - 03:25 PM	59.7	56.4	06:00 PM - 06:05 PM	59.8	56.7	08:40 PM - 08:45 PM	69.6	58.6
03:25 PM - 03:30 PM	60.3	56.6	06:05 PM - 06:10 PM	60.7	57.0	08:45 PM - 08:50 PM	60.1	58.8
03:30 PM - 03:35 PM	59.4	56.7	06:10 PM - 06:15 PM	59.8	55.6	08:50 PM - 08:55 PM	62.8	58.6
03:35 PM - 03:40 PM	58.2	56.4	06:15 PM - 06:20 PM	60.4	56.5	08:55 PM - 09:00 PM	60.1	58.4
03:40 PM - 03:45 PM	63.2	57.3	06:20 PM - 06:25 PM	61.3	55.2	09:00 PM - 09:05 PM	62.3	58.3
03:45 PM - 03:50 PM	64.5	60.2	06:25 PM - 06:30 PM	60.2	55.6	09:05 PM - 09:10 PM	59.5	58.4
03:50 PM - 03:55 PM	61.6	58.9	06:30 PM - 06:35 PM	58.2	53.4	09:10 PM - 09:15 PM	60.9	58.3
03:55 PM - 04:00 PM	59.7	57.0	06:35 PM - 06:40 PM	64.9	54.7	09:15 PM - 09:20 PM	61.5	58.5
04:00 PM - 04:05 PM	59.3	57.0	06:40 PM - 06:45 PM	65.5	57.7	09:20 PM - 09:25 PM	61.5	58.4
04:05 PM - 04:10 PM	59.8	57.0	06:45 PM - 06:50 PM	65.7	61.1	09:25 PM - 09:30 PM	60.6	58.4
04:10 PM - 04:15 PM	59.7	57.3	06:50 PM - 06:55 PM	64.0	60.4	09:30 PM - 09:35 PM	60.0	58.3
04:15 PM - 04:20 PM	59.7	57.3	06:55 PM - 07:00 PM	64.9	60.1	09:35 PM - 09:40 PM	60.9	58.4
04:20 PM - 04:25 PM	59.2	57.0	07:00 PM - 07:05 PM	66.2	60.0	09:40 PM - 09:45 PM	59.4	58.2
04:25 PM - 04:30 PM	60.8	57.0	07:05 PM - 07:10 PM	63.8	59.7	09:45 PM - 09:50 PM	58.8	58.0
04:30 PM - 04:35 PM	61.8	57.0	07:10 PM - 07:15 PM	64.4	60.1	09:50 PM - 09:55 PM	61.6	58.5
04:35 PM - 04:40 PM	60.0	57.1	07:15 PM - 07:20 PM	62.8	59.1	09:55 PM - 10:00 PM	61.3	58.3

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509436-1

Page 2 of 3

Sample Number : 22122147-19
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 25 - Nov 26, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 25 - Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90	Nov 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	59.8	58.4	12:40 AM - 12:45 AM	60.7	58.1	03:20 AM - 03:25 AM	63.2	58.6
10:05 PM - 10:10 PM	59.7	58.2	12:45 AM - 12:50 AM	63.0	58.5	03:25 AM - 03:30 AM	60.7	59.0
10:10 PM - 10:15 PM	59.1	58.2	12:50 AM - 12:55 AM	60.0	58.9	03:30 AM - 03:35 AM	60.1	59.2
10:15 PM - 10:20 PM	59.7	58.5	12:55 AM - 01:00 AM	59.5	58.6	03:35 AM - 03:40 AM	61.1	59.3
10:20 PM - 10:25 PM	60.7	58.5	01:00 AM - 01:05 AM	59.4	58.8	03:40 AM - 03:45 AM	60.4	59.1
10:25 PM - 10:30 PM	59.5	58.5	01:05 AM - 01:10 AM	59.4	58.6	03:45 AM - 03:50 AM	60.5	59.0
10:30 PM - 10:35 PM	59.9	58.6	01:10 AM - 01:15 AM	59.7	58.7	03:50 AM - 03:55 AM	60.1	59.2
10:35 PM - 10:40 PM	59.5	58.2	01:15 AM - 01:20 AM	59.2	58.4	03:55 AM - 04:00 AM	61.1	59.8
10:40 PM - 10:45 PM	59.1	58.3	01:20 AM - 01:25 AM	59.2	58.1	04:00 AM - 04:05 AM	59.8	59.0
10:45 PM - 10:50 PM	59.3	58.2	01:25 AM - 01:30 AM	60.0	58.2	04:05 AM - 04:10 AM	59.6	59.0
10:50 PM - 10:55 PM	59.2	58.4	01:30 AM - 01:35 AM	59.0	58.0	04:10 AM - 04:15 AM	59.8	58.9
10:55 PM - 11:00 PM	60.1	58.2	01:35 AM - 01:40 AM	59.0	58.4	04:15 AM - 04:20 AM	54.1	48.6
11:00 PM - 11:05 PM	59.5	58.4	01:40 AM - 01:45 AM	59.3	58.5	04:20 AM - 04:25 AM	50.2	48.7
11:05 PM - 11:10 PM	59.2	58.4	01:45 AM - 01:50 AM	59.5	58.8	04:25 AM - 04:30 AM	52.9	48.5
11:10 PM - 11:15 PM	61.8	58.4	01:50 AM - 01:55 AM	60.1	58.9	04:30 AM - 04:35 AM	51.7	48.9
11:15 PM - 11:20 PM	58.9	58.1	01:55 AM - 02:00 AM	59.5	58.5	04:35 AM - 04:40 AM	52.4	47.7
11:20 PM - 11:25 PM	59.2	58.0	02:00 AM - 02:05 AM	64.3	58.3	04:40 AM - 04:45 AM	57.2	49.2
11:25 PM - 11:30 PM	59.7	58.0	02:05 AM - 02:10 AM	59.7	57.9	04:45 AM - 04:50 AM	57.1	49.3
11:30 PM - 11:35 PM	58.8	57.9	02:10 AM - 02:15 AM	66.4	57.9	04:50 AM - 04:55 AM	59.7	49.0
11:35 PM - 11:40 PM	59.8	58.0	02:15 AM - 02:20 AM	68.6	58.2	04:55 AM - 05:00 AM	55.3	49.6
11:40 PM - 11:45 PM	59.1	58.2	02:20 AM - 02:25 AM	58.9	57.9	05:00 AM - 05:05 AM	54.4	51.0
11:45 PM - 11:50 PM	60.0	58.2	02:25 AM - 02:30 AM	59.8	57.9	05:05 AM - 05:10 AM	55.2	51.6
11:50 PM - 11:55 PM	59.8	58.5	02:30 AM - 02:35 AM	62.1	58.7	05:10 AM - 05:15 AM	59.4	52.3
11:55 PM - 12:00 AM	59.3	58.4	02:35 AM - 02:40 AM	59.6	58.8	05:15 AM - 05:20 AM	56.8	51.9
12:00 AM - 12:05 AM	59.5	58.5	02:40 AM - 02:45 AM	59.3	58.2	05:20 AM - 05:25 AM	57.1	53.7
12:05 AM - 12:10 AM	59.4	58.6	02:45 AM - 02:50 AM	59.2	58.2	05:25 AM - 05:30 AM	57.3	54.3
12:10 AM - 12:15 AM	59.0	58.1	02:50 AM - 02:55 AM	59.5	58.4	05:30 AM - 05:35 AM	56.9	55.1
12:15 AM - 12:20 AM	58.9	58.1	02:55 AM - 03:00 AM	60.8	57.6	05:35 AM - 05:40 AM	58.1	57.0
12:20 AM - 12:25 AM	59.6	58.5	03:00 AM - 03:05 AM	59.3	58.5	05:40 AM - 05:45 AM	60.2	57.5
12:25 AM - 12:30 AM	59.5	58.5	03:05 AM - 03:10 AM	62.2	58.2	05:45 AM - 05:50 AM	59.7	55.2
12:30 AM - 12:35 AM	59.7	58.9	03:10 AM - 03:15 AM	58.9	57.8	05:50 AM - 05:55 AM	57.0	54.0
12:35 AM - 12:40 AM	59.5	58.6	03:15 AM - 03:20 AM	61.6	58.7	05:55 AM - 06:00 AM	59.4	54.4

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509436-1

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Sample Number : 22122147-19
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 25 - Nov 26, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	58.1	54.1	08:40 AM - 08:45 AM	63.6	58.5	11:20 AM - 11:25 AM	60.7	57.2
06:05 AM - 06:10 AM	60.9	55.2	08:45 AM - 08:50 AM	62.0	58.4	11:25 AM - 11:30 AM	61.1	57.9
06:10 AM - 06:15 AM	62.5	57.6	08:50 AM - 08:55 AM	61.4	58.1	11:30 AM - 11:35 AM	60.4	57.3
06:15 AM - 06:20 AM	60.4	56.1	08:55 AM - 09:00 AM	61.9	58.7	11:35 AM - 11:40 AM	60.1	57.0
06:20 AM - 06:25 AM	62.0	57.1	09:00 AM - 09:05 AM	62.7	58.9	11:40 AM - 11:45 AM	61.6	57.4
06:25 AM - 06:30 AM	60.2	55.6	09:05 AM - 09:10 AM	62.1	58.4	11:45 AM - 11:50 AM	61.7	57.9
06:30 AM - 06:35 AM	59.5	54.7	09:10 AM - 09:15 AM	62.3	58.3	11:50 AM - 11:55 AM	60.6	57.0
06:35 AM - 06:40 AM	57.9	53.0	09:15 AM - 09:20 AM	61.5	58.2	11:55 AM - 12:00 PM	60.8	57.5
06:40 AM - 06:45 AM	62.6	57.3	09:20 AM - 09:25 AM	61.6	58.3	12:00 PM - 12:05 PM	60.8	57.4
06:45 AM - 06:50 AM	64.8	61.7	09:25 AM - 09:30 AM	64.3	58.0	12:05 PM - 12:10 PM	60.0	56.9
06:50 AM - 06:55 AM	63.7	60.7	09:30 AM - 09:35 AM	61.4	58.0	12:10 PM - 12:15 PM	60.5	57.3
06:55 AM - 07:00 AM	63.5	60.0	09:35 AM - 09:40 AM	61.2	57.8	12:15 PM - 12:20 PM	66.9	57.7
07:00 AM - 07:05 AM	64.9	61.1	09:40 AM - 09:45 AM	62.9	57.9	12:20 PM - 12:25 PM	57.9	57.1
07:05 AM - 07:10 AM	65.0	61.8	09:45 AM - 09:50 AM	61.1	57.9	12:25 PM - 12:30 PM	60.8	56.8
07:10 AM - 07:15 AM	65.8	61.7	09:50 AM - 09:55 AM	61.0	57.8	12:30 PM - 12:35 PM	57.5	56.4
07:15 AM - 07:20 AM	65.2	62.0	09:55 AM - 10:00 AM	60.9	57.6	12:35 PM - 12:40 PM	60.2	57.3
07:20 AM - 07:25 AM	64.3	61.0	10:00 AM - 10:05 AM	61.2	58.2	12:40 PM - 12:45 PM	61.8	57.2
07:25 AM - 07:30 AM	64.6	60.9	10:05 AM - 10:10 AM	61.4	58.2	12:45 PM - 12:50 PM	59.3	57.6
07:30 AM - 07:35 AM	65.6	60.7	10:10 AM - 10:15 AM	60.9	57.8	12:50 PM - 12:55 PM	58.7	57.8
07:35 AM - 07:40 AM	62.9	58.7	10:15 AM - 10:20 AM	60.7	57.2	12:55 PM - 01:00 PM	59.7	57.9
07:40 AM - 07:45 AM	64.4	59.0	10:20 AM - 10:25 AM	60.7	57.4	01:00 PM - 01:05 PM	59.0	57.7
07:45 AM - 07:50 AM	64.5	59.7	10:25 AM - 10:30 AM	60.4	57.7	01:05 PM - 01:10 PM	59.1	57.6
07:50 AM - 07:55 AM	62.7	59.2	10:30 AM - 10:35 AM	64.4	58.2	01:10 PM - 01:15 PM	58.7	57.8
07:55 AM - 08:00 AM	62.9	59.1	10:35 AM - 10:40 AM	60.7	57.8	01:15 PM - 01:20 PM	59.7	58.4
08:00 AM - 08:05 AM	62.0	58.5	10:40 AM - 10:45 AM	60.5	57.6	01:20 PM - 01:25 PM	58.4	57.6
08:05 AM - 08:10 AM	62.2	58.3	10:45 AM - 10:50 AM	60.6	57.7	01:25 PM - 01:30 PM	58.2	57.6
08:10 AM - 08:15 AM	61.8	58.0	10:50 AM - 10:55 AM	61.4	58.4	01:30 PM - 01:35 PM	58.4	57.5
08:15 AM - 08:20 AM	62.0	57.7	10:55 AM - 11:00 AM	60.6	57.8	01:35 PM - 01:40 PM	52.7	47.2
08:20 AM - 08:25 AM	62.3	58.3	11:00 AM - 11:05 AM	61.4	58.2	01:40 PM - 01:45 PM	48.8	47.3
08:25 AM - 08:30 AM	61.2	57.5	11:05 AM - 11:10 AM	61.1	58.0	01:45 PM - 01:50 PM	51.5	47.1
08:30 AM - 08:35 AM	62.4	58.4	11:10 AM - 11:15 AM	59.7	57.1	01:50 PM - 01:55 PM	50.3	47.5
08:35 AM - 08:40 AM	62.2	58.3	11:15 AM - 11:20 AM	60.0	57.0	01:55 PM - 02:00 PM	51.0	46.3

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509437-1

Page 1 of 3

Sample Number 22122147-20
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 26, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	55.8	47.8	04:40 PM - 04:45 PM	62.9	59.6	07:20 PM - 07:25 PM	59.8	56.8
02:05 PM - 02:10 PM	55.7	47.9	04:45 PM - 04:50 PM	63.2	59.5	07:25 PM - 07:30 PM	60.0	56.8
02:10 PM - 02:15 PM	58.3	47.6	04:50 PM - 04:55 PM	64.2	59.3	07:30 PM - 07:35 PM	59.5	56.4
02:15 PM - 02:20 PM	53.9	48.2	04:55 PM - 05:00 PM	61.5	57.3	07:35 PM - 07:40 PM	59.3	55.8
02:20 PM - 02:25 PM	53.0	49.6	05:00 PM - 05:05 PM	63.0	57.6	07:40 PM - 07:45 PM	59.3	56.0
02:25 PM - 02:30 PM	53.8	50.2	05:05 PM - 05:10 PM	63.1	58.3	07:45 PM - 07:50 PM	59.0	56.3
02:30 PM - 02:35 PM	58.0	50.9	05:10 PM - 05:15 PM	61.3	57.8	07:50 PM - 07:55 PM	63.0	56.8
02:35 PM - 02:40 PM	55.4	50.5	05:15 PM - 05:20 PM	61.5	57.7	07:55 PM - 08:00 PM	59.3	56.4
02:40 PM - 02:45 PM	55.7	52.3	05:20 PM - 05:25 PM	60.6	57.1	08:00 PM - 08:05 PM	59.1	56.2
02:45 PM - 02:50 PM	55.9	52.9	05:25 PM - 05:30 PM	60.8	56.9	08:05 PM - 08:10 PM	59.2	56.3
02:50 PM - 02:55 PM	55.5	53.7	05:30 PM - 05:35 PM	60.4	56.6	08:10 PM - 08:15 PM	60.0	57.0
02:55 PM - 03:00 PM	56.7	55.6	05:35 PM - 05:40 PM	60.6	56.3	08:15 PM - 08:20 PM	59.2	56.4
03:00 PM - 03:05 PM	58.8	56.1	05:40 PM - 05:45 PM	60.9	56.9	08:20 PM - 08:25 PM	60.0	56.8
03:05 PM - 03:10 PM	58.3	53.8	05:45 PM - 05:50 PM	59.8	56.1	08:25 PM - 08:30 PM	59.7	56.6
03:10 PM - 03:15 PM	55.6	52.6	05:50 PM - 05:55 PM	61.0	57.0	08:30 PM - 08:35 PM	58.3	55.7
03:15 PM - 03:20 PM	58.0	53.0	05:55 PM - 06:00 PM	60.8	56.9	08:35 PM - 08:40 PM	58.6	55.6
03:20 PM - 03:25 PM	56.7	52.7	06:00 PM - 06:05 PM	62.2	57.1	08:40 PM - 08:45 PM	59.3	55.8
03:25 PM - 03:30 PM	59.5	53.8	06:05 PM - 06:10 PM	60.6	57.0	08:45 PM - 08:50 PM	59.7	56.5
03:30 PM - 03:35 PM	61.1	56.2	06:10 PM - 06:15 PM	60.0	56.7	08:50 PM - 08:55 PM	59.0	55.9
03:35 PM - 03:40 PM	59.0	54.7	06:15 PM - 06:20 PM	60.5	57.3	08:55 PM - 09:00 PM	58.7	55.6
03:40 PM - 03:45 PM	60.6	55.7	06:20 PM - 06:25 PM	61.3	57.5	09:00 PM - 09:05 PM	60.2	56.0
03:45 PM - 03:50 PM	58.8	54.2	06:25 PM - 06:30 PM	60.7	57.0	09:05 PM - 09:10 PM	60.3	56.5
03:50 PM - 03:55 PM	58.1	53.3	06:30 PM - 06:35 PM	60.9	56.9	09:10 PM - 09:15 PM	59.2	55.6
03:55 PM - 04:00 PM	56.5	51.6	06:35 PM - 06:40 PM	60.1	56.8	09:15 PM - 09:20 PM	59.4	56.1
04:00 PM - 04:05 PM	61.2	55.9	06:40 PM - 06:45 PM	60.2	56.9	09:20 PM - 09:25 PM	59.4	56.0
04:05 PM - 04:10 PM	63.4	60.3	06:45 PM - 06:50 PM	62.9	56.6	09:25 PM - 09:30 PM	58.6	55.5
04:10 PM - 04:15 PM	62.3	59.3	06:50 PM - 06:55 PM	60.0	56.6	09:30 PM - 09:35 PM	59.1	55.9
04:15 PM - 04:20 PM	62.1	58.6	06:55 PM - 07:00 PM	59.8	56.4	09:35 PM - 09:40 PM	65.5	56.3
04:20 PM - 04:25 PM	63.5	59.7	07:00 PM - 07:05 PM	61.5	56.5	09:40 PM - 09:45 PM	56.5	55.7
04:25 PM - 04:30 PM	63.6	60.4	07:05 PM - 07:10 PM	59.7	56.5	09:45 PM - 09:50 PM	59.4	55.4
04:30 PM - 04:35 PM	64.4	60.3	07:10 PM - 07:15 PM	59.6	56.4	09:50 PM - 09:55 PM	56.1	55.0
04:35 PM - 04:40 PM	63.8	60.6	07:15 PM - 07:20 PM	59.5	56.2	09:55 PM - 10:00 PM	58.8	55.9

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509437-1

Page 2 of 3

Sample Number : 22122147-20
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 26 - Nov 27, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 26 - Nov 27, 2022	Leq	L90	Nov 27, 2022	Leq	L90	Nov 27, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	60.4	55.8	12:40 AM - 12:45 AM	55.3	51.3	03:20 AM - 03:25 AM	60.8	55.7
10:05 PM - 10:10 PM	57.9	56.2	12:45 AM - 12:50 AM	58.1	52.4	03:25 AM - 03:30 AM	59.2	55.6
10:10 PM - 10:15 PM	57.3	56.4	12:50 AM - 12:55 AM	59.7	54.8	03:30 AM - 03:35 AM	58.6	55.3
10:15 PM - 10:20 PM	58.3	56.5	12:55 AM - 01:00 AM	57.6	53.3	03:35 AM - 03:40 AM	59.1	55.9
10:20 PM - 10:25 PM	57.6	56.3	01:00 AM - 01:05 AM	59.2	54.3	03:40 AM - 03:45 AM	59.9	56.1
10:25 PM - 10:30 PM	57.7	56.2	01:05 AM - 01:10 AM	57.4	52.8	03:45 AM - 03:50 AM	59.3	55.6
10:30 PM - 10:35 PM	57.3	56.4	01:10 AM - 01:15 AM	56.7	51.9	03:50 AM - 03:55 AM	59.5	55.5
10:35 PM - 10:40 PM	58.3	57.0	01:15 AM - 01:20 AM	55.1	50.2	03:55 AM - 04:00 AM	58.7	55.4
10:40 PM - 10:45 PM	57.0	56.2	01:20 AM - 01:25 AM	59.8	54.5	04:00 AM - 04:05 AM	58.8	55.5
10:45 PM - 10:50 PM	56.8	56.2	01:25 AM - 01:30 AM	62.0	58.9	04:05 AM - 04:10 AM	61.5	55.2
10:50 PM - 10:55 PM	57.0	56.1	01:30 AM - 01:35 AM	60.9	57.9	04:10 AM - 04:15 AM	58.6	55.2
10:55 PM - 11:00 PM	51.3	45.8	01:35 AM - 01:40 AM	60.7	57.2	04:15 AM - 04:20 AM	58.4	55.0
11:00 PM - 11:05 PM	47.4	45.9	01:40 AM - 01:45 AM	62.1	58.3	04:20 AM - 04:25 AM	60.1	55.1
11:05 PM - 11:10 PM	50.1	45.7	01:45 AM - 01:50 AM	62.2	59.0	04:25 AM - 04:30 AM	58.3	55.1
11:10 PM - 11:15 PM	48.9	46.1	01:50 AM - 01:55 AM	63.0	58.9	04:30 AM - 04:35 AM	58.2	55.0
11:15 PM - 11:20 PM	49.6	44.9	01:55 AM - 02:00 AM	62.4	59.2	04:35 AM - 04:40 AM	58.1	54.8
11:20 PM - 11:25 PM	54.4	46.4	02:00 AM - 02:05 AM	61.5	58.2	04:40 AM - 04:45 AM	58.4	55.4
11:25 PM - 11:30 PM	54.3	46.5	02:05 AM - 02:10 AM	61.8	58.1	04:45 AM - 04:50 AM	58.6	55.4
11:30 PM - 11:35 PM	56.9	46.2	02:10 AM - 02:15 AM	62.8	57.9	04:50 AM - 04:55 AM	58.1	55.0
11:35 PM - 11:40 PM	52.5	46.8	02:15 AM - 02:20 AM	60.1	55.9	04:55 AM - 05:00 AM	57.9	54.4
11:40 PM - 11:45 PM	51.6	48.2	02:20 AM - 02:25 AM	61.6	56.2	05:00 AM - 05:05 AM	57.9	54.6
11:45 PM - 11:50 PM	52.4	48.8	02:25 AM - 02:30 AM	61.7	56.9	05:05 AM - 05:10 AM	57.6	54.9
11:50 PM - 11:55 PM	56.6	49.5	02:30 AM - 02:35 AM	59.9	56.4	05:10 AM - 05:15 AM	61.6	55.4
11:55 PM - 12:00 AM	54.0	49.1	02:35 AM - 02:40 AM	60.1	56.3	05:15 AM - 05:20 AM	57.9	55.0
12:00 AM - 12:05 AM	54.3	50.9	02:40 AM - 02:45 AM	59.2	55.7	05:20 AM - 05:25 AM	57.7	54.8
12:05 AM - 12:10 AM	54.5	51.5	02:45 AM - 02:50 AM	59.4	55.5	05:25 AM - 05:30 AM	57.8	54.9
12:10 AM - 12:15 AM	54.1	52.3	02:50 AM - 02:55 AM	59.0	55.2	05:30 AM - 05:35 AM	58.6	55.6
12:15 AM - 12:20 AM	55.3	54.2	02:55 AM - 03:00 AM	59.2	54.9	05:35 AM - 05:40 AM	57.8	55.0
12:20 AM - 12:25 AM	57.4	54.7	03:00 AM - 03:05 AM	59.5	55.5	05:40 AM - 05:45 AM	58.6	55.4
12:25 AM - 12:30 AM	56.9	52.4	03:05 AM - 03:10 AM	58.4	54.7	05:45 AM - 05:50 AM	58.3	55.2
12:30 AM - 12:35 AM	54.2	51.2	03:10 AM - 03:15 AM	59.6	55.6	05:50 AM - 05:55 AM	56.9	54.3
12:35 AM - 12:40 AM	56.6	51.6	03:15 AM - 03:20 AM	59.4	55.5	05:55 AM - 06:00 AM	57.2	54.2

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Lot ID: 22122147

Date Received : Nov 30, 2022

Date Reported : Dec 09, 2022

Report Number : 2509437-1

Page 3 of 3

Sample Number 22122147-20
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 26 - Nov 27, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	57.9	54.4	08:40 AM - 08:45 AM	53.0	45.0	11:20 AM - 11:25 AM	56.9	50.6
06:05 AM - 06:10 AM	58.3	55.1	08:45 AM - 08:50 AM	52.9	45.1	11:25 AM - 11:30 AM	57.5	51.3
06:10 AM - 06:15 AM	57.6	54.5	08:50 AM - 08:55 AM	55.5	44.8	11:30 AM - 11:35 AM	57.3	51.5
06:15 AM - 06:20 AM	57.3	54.2	08:55 AM - 09:00 AM	51.1	45.4	11:35 AM - 11:40 AM	57.8	50.7
06:20 AM - 06:25 AM	58.8	54.6	09:00 AM - 09:05 AM	50.2	46.8	11:40 AM - 11:45 AM	54.8	50.6
06:25 AM - 06:30 AM	58.9	55.1	09:05 AM - 09:10 AM	51.0	47.4	11:45 AM - 11:50 AM	57.9	51.5
06:30 AM - 06:35 AM	57.8	54.2	09:10 AM - 09:15 AM	55.2	48.1	11:50 AM - 11:55 AM	56.8	51.3
06:35 AM - 06:40 AM	58.0	54.7	09:15 AM - 09:20 AM	52.6	47.7	11:55 AM - 12:00 PM	57.7	50.7
06:40 AM - 06:45 AM	58.0	54.6	09:20 AM - 09:25 AM	52.9	49.5	12:00 PM - 12:05 PM	57.0	50.1
06:45 AM - 06:50 AM	57.2	54.1	09:25 AM - 09:30 AM	53.1	50.1	12:05 PM - 12:10 PM	54.4	49.8
06:50 AM - 06:55 AM	57.7	54.5	09:30 AM - 09:35 AM	52.7	50.9	12:10 PM - 12:15 PM	58.1	50.6
06:55 AM - 07:00 AM	64.1	54.9	09:35 AM - 09:40 AM	53.9	52.8	12:15 PM - 12:20 PM	55.6	50.1
07:00 AM - 07:05 AM	55.1	54.3	09:40 AM - 09:45 AM	56.0	53.3	12:20 PM - 12:25 PM	56.3	50.1
07:05 AM - 07:10 AM	58.0	54.0	09:45 AM - 09:50 AM	55.5	51.0	12:25 PM - 12:30 PM	57.1	50.0
07:10 AM - 07:15 AM	54.7	53.6	09:50 AM - 09:55 AM	52.8	49.8	12:30 PM - 12:35 PM	58.2	50.9
07:15 AM - 07:20 AM	57.4	54.5	09:55 AM - 10:00 AM	55.2	50.2	12:35 PM - 12:40 PM	54.9	49.9
07:20 AM - 07:25 AM	59.0	54.4	10:00 AM - 10:05 AM	53.9	49.9	12:40 PM - 12:45 PM	54.4	50.2
07:25 AM - 07:30 AM	56.5	54.8	10:05 AM - 10:10 AM	56.7	51.0	12:45 PM - 12:50 PM	54.9	49.9
07:30 AM - 07:35 AM	55.9	55.0	10:10 AM - 10:15 AM	58.3	53.4	12:50 PM - 12:55 PM	56.0	50.6
07:35 AM - 07:40 AM	56.9	55.1	10:15 AM - 10:20 AM	56.2	51.9	12:55 PM - 01:00 PM	55.1	49.3
07:40 AM - 07:45 AM	56.2	54.9	10:20 AM - 10:25 AM	57.8	52.9	01:00 PM - 01:05 PM	54.6	50.7
07:45 AM - 07:50 AM	56.3	54.8	10:25 AM - 10:30 AM	56.0	51.4	01:05 PM - 01:10 PM	56.1	50.8
07:50 AM - 07:55 AM	55.9	55.0	10:30 AM - 10:35 AM	55.3	50.5	01:10 PM - 01:15 PM	56.3	51.2
07:55 AM - 08:00 AM	56.9	55.6	10:35 AM - 10:40 AM	53.7	48.8	01:15 PM - 01:20 PM	56.7	51.3
08:00 AM - 08:05 AM	55.6	54.8	10:40 AM - 10:45 AM	58.4	53.1	01:20 PM - 01:25 PM	55.2	50.6
08:05 AM - 08:10 AM	55.4	54.8	10:45 AM - 10:50 AM	60.6	57.5	01:25 PM - 01:30 PM	57.1	52.3
08:10 AM - 08:15 AM	55.6	54.7	10:50 AM - 10:55 AM	59.5	56.5	01:30 PM - 01:35 PM	54.9	50.6
08:15 AM - 08:20 AM	49.9	44.4	10:55 AM - 11:00 AM	58.9	51.4	01:35 PM - 01:40 PM	55.2	50.4
08:20 AM - 08:25 AM	46.0	44.5	11:00 AM - 11:05 AM	56.2	51.9	01:40 PM - 01:45 PM	56.5	50.4
08:25 AM - 08:30 AM	48.7	44.3	11:05 AM - 11:10 AM	58.2	52.5	01:45 PM - 01:50 PM	56.7	51.3
08:30 AM - 08:35 AM	47.5	44.7	11:10 AM - 11:15 AM	55.9	51.3	01:50 PM - 01:55 PM	60.3	51.1
08:35 AM - 08:40 AM	48.2	43.5	11:15 AM - 11:20 AM	58.9	50.8	01:55 PM - 02:00 PM	62.1	50.1

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509438-1

Page 1 of 3

Sample Number 22122147-21
Parameter Noise Level (Leq 5 min)
Location ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date Nov 27 - Nov 28, 2022
Measurement by Sangtawan Natasat
Sound Level meter Serial No. 885439

Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 27, 2022 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	55.3	49.8	04:40 PM - 04:45 PM	58.0	54.3	07:20 PM - 07:25 PM	56.2	51.7
02:05 PM - 02:10 PM	55.9	50.7	04:45 PM - 04:50 PM	60.2	56.3	07:25 PM - 07:30 PM	54.7	50.7
02:10 PM - 02:15 PM	53.9	50.6	04:50 PM - 04:55 PM	59.7	56.3	07:30 PM - 07:35 PM	54.4	50.8
02:15 PM - 02:20 PM	56.6	50.0	04:55 PM - 05:00 PM	59.9	57.6	07:35 PM - 07:40 PM	55.0	50.8
02:20 PM - 02:25 PM	54.3	50.1	05:00 PM - 05:05 PM	62.6	60.1	07:40 PM - 07:45 PM	57.1	51.9
02:25 PM - 02:30 PM	54.7	49.9	05:05 PM - 05:10 PM	61.7	59.7	07:45 PM - 07:50 PM	56.9	52.7
02:30 PM - 02:35 PM	56.4	50.0	05:10 PM - 05:15 PM	63.9	60.4	07:50 PM - 07:55 PM	56.7	51.8
02:35 PM - 02:40 PM	55.4	50.0	05:15 PM - 05:20 PM	60.8	59.2	07:55 PM - 08:00 PM	54.7	50.3
02:40 PM - 02:45 PM	59.9	50.9	05:20 PM - 05:25 PM	61.1	57.7	08:00 PM - 08:05 PM	55.7	50.0
02:45 PM - 02:50 PM	56.9	51.4	05:25 PM - 05:30 PM	59.7	57.3	08:05 PM - 08:10 PM	56.7	50.1
02:50 PM - 02:55 PM	57.8	50.0	05:30 PM - 05:35 PM	59.4	56.1	08:10 PM - 08:15 PM	56.1	51.2
02:55 PM - 03:00 PM	54.3	50.1	05:35 PM - 05:40 PM	59.5	56.4	08:15 PM - 08:20 PM	54.2	47.7
03:00 PM - 03:05 PM	55.6	50.7	05:40 PM - 05:45 PM	58.7	54.3	08:20 PM - 08:25 PM	57.8	47.6
03:05 PM - 03:10 PM	57.1	50.9	05:45 PM - 05:50 PM	60.7	53.2	08:25 PM - 08:30 PM	54.2	47.6
03:10 PM - 03:15 PM	55.9	50.7	05:50 PM - 05:55 PM	58.6	52.5	08:30 PM - 08:35 PM	58.0	48.2
03:15 PM - 03:20 PM	55.9	50.9	05:55 PM - 06:00 PM	60.6	51.6	08:35 PM - 08:40 PM	54.3	46.5
03:20 PM - 03:25 PM	57.4	51.7	06:00 PM - 06:05 PM	61.5	52.4	08:40 PM - 08:45 PM	62.0	57.3
03:25 PM - 03:30 PM	58.8	50.6	06:05 PM - 06:10 PM	61.5	53.1	08:45 PM - 08:50 PM	62.5	58.0
03:30 PM - 03:35 PM	59.9	50.7	06:10 PM - 06:15 PM	59.8	51.8	08:50 PM - 08:55 PM	67.0	59.2
03:35 PM - 03:40 PM	57.7	51.9	06:15 PM - 06:20 PM	59.2	52.7	08:55 PM - 09:00 PM	69.6	58.6
03:40 PM - 03:45 PM	55.9	51.2	06:20 PM - 06:25 PM	56.6	50.5	09:00 PM - 09:05 PM	61.6	56.7
03:45 PM - 03:50 PM	56.9	51.0	06:25 PM - 06:30 PM	55.4	50.5	09:05 PM - 09:10 PM	61.7	57.1
03:50 PM - 03:55 PM	54.8	50.9	06:30 PM - 06:35 PM	59.5	52.4	09:10 PM - 09:15 PM	61.6	56.9
03:55 PM - 04:00 PM	57.2	52.2	06:35 PM - 06:40 PM	59.5	54.7	09:15 PM - 09:20 PM	61.9	56.8
04:00 PM - 04:05 PM	58.8	52.4	06:40 PM - 06:45 PM	63.4	56.3	09:20 PM - 09:25 PM	61.6	56.9
04:05 PM - 04:10 PM	56.9	52.7	06:45 PM - 06:50 PM	59.7	53.7	09:25 PM - 09:30 PM	61.4	56.7
04:10 PM - 04:15 PM	56.5	52.4	06:50 PM - 06:55 PM	57.7	51.5	09:30 PM - 09:35 PM	61.3	56.6
04:15 PM - 04:20 PM	59.0	51.3	06:55 PM - 07:00 PM	56.3	51.2	09:35 PM - 09:40 PM	61.6	56.6
04:20 PM - 04:25 PM	56.3	51.2	07:00 PM - 07:05 PM	56.2	51.9	09:40 PM - 09:45 PM	61.3	56.6
04:25 PM - 04:30 PM	56.5	51.7	07:05 PM - 07:10 PM	58.1	51.4	09:45 PM - 09:50 PM	61.3	56.7
04:30 PM - 04:35 PM	62.8	52.9	07:10 PM - 07:15 PM	61.5	52.0	09:50 PM - 09:55 PM	61.1	56.4
04:35 PM - 04:40 PM	55.6	52.1	07:15 PM - 07:20 PM	56.4	52.3	09:55 PM - 10:00 PM	62.6	56.6

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509438-1

Page 2 of 3

Sample Number : 22122147-21
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 27 - Nov 28, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 27 - Nov 28, 2022	Leq	L90	Nov 28, 2022	Leq	L90	Nov 28, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	61.2	56.3	12:40 AM - 12:45 AM	58.6	57.0	03:20 AM - 03:25 AM	47.4	45.8
10:05 PM - 10:10 PM	62.1	56.8	12:45 AM - 12:50 AM	58.5	56.8	03:25 AM - 03:30 AM	48.7	43.9
10:10 PM - 10:15 PM	61.7	56.8	12:50 AM - 12:55 AM	57.5	56.6	03:30 AM - 03:35 AM	48.6	45.3
10:15 PM - 10:20 PM	61.8	56.9	12:55 AM - 01:00 AM	56.0	44.8	03:35 AM - 03:40 AM	50.1	45.2
10:20 PM - 10:25 PM	61.8	56.2	01:00 AM - 01:05 AM	50.7	43.5	03:40 AM - 03:45 AM	51.0	45.2
10:25 PM - 10:30 PM	60.2	55.6	01:05 AM - 01:10 AM	55.4	43.3	03:45 AM - 03:50 AM	47.7	44.6
10:30 PM - 10:35 PM	61.0	56.2	01:10 AM - 01:15 AM	44.9	42.9	03:50 AM - 03:55 AM	53.3	46.0
10:35 PM - 10:40 PM	61.0	56.8	01:15 AM - 01:20 AM	46.6	42.8	03:55 AM - 04:00 AM	51.9	45.3
10:40 PM - 10:45 PM	58.0	57.1	01:20 AM - 01:25 AM	43.9	43.0	04:00 AM - 04:05 AM	47.9	46.2
10:45 PM - 10:50 PM	60.9	57.8	01:25 AM - 01:30 AM	51.6	43.3	04:05 AM - 04:10 AM	49.0	45.8
10:50 PM - 10:55 PM	58.6	57.6	01:30 AM - 01:35 AM	48.0	44.8	04:10 AM - 04:15 AM	52.2	46.6
10:55 PM - 11:00 PM	57.8	56.9	01:35 AM - 01:40 AM	50.3	43.1	04:15 AM - 04:20 AM	50.8	46.1
11:00 PM - 11:05 PM	59.0	57.1	01:40 AM - 01:45 AM	46.1	43.2	04:20 AM - 04:25 AM	50.5	46.6
11:05 PM - 11:10 PM	57.8	57.0	01:45 AM - 01:50 AM	60.8	57.6	04:25 AM - 04:30 AM	50.5	46.8
11:10 PM - 11:15 PM	57.7	56.9	01:50 AM - 01:55 AM	54.2	43.2	04:30 AM - 04:35 AM	51.6	46.8
11:15 PM - 11:20 PM	57.8	57.2	01:55 AM - 02:00 AM	52.4	43.5	04:35 AM - 04:40 AM	52.3	48.3
11:20 PM - 11:25 PM	57.8	57.0	02:00 AM - 02:05 AM	47.8	43.2	04:40 AM - 04:45 AM	52.6	48.0
11:25 PM - 11:30 PM	57.8	56.9	02:05 AM - 02:10 AM	47.7	43.6	04:45 AM - 04:50 AM	52.0	49.2
11:30 PM - 11:35 PM	58.5	56.9	02:10 AM - 02:15 AM	44.9	43.5	04:50 AM - 04:55 AM	53.0	49.7
11:35 PM - 11:40 PM	58.8	56.7	02:15 AM - 02:20 AM	45.0	43.9	04:55 AM - 05:00 AM	54.8	50.8
11:40 PM - 11:45 PM	58.9	57.0	02:20 AM - 02:25 AM	44.9	44.2	05:00 AM - 05:05 AM	55.5	51.3
11:45 PM - 11:50 PM	57.7	56.6	02:25 AM - 02:30 AM	58.9	44.8	05:05 AM - 05:10 AM	56.5	52.6
11:50 PM - 11:55 PM	57.3	56.4	02:30 AM - 02:35 AM	45.6	44.9	05:10 AM - 05:15 AM	55.9	53.1
11:55 PM - 12:00 AM	56.9	56.2	02:35 AM - 02:40 AM	46.3	44.4	05:15 AM - 05:20 AM	58.4	54.2
12:00 AM - 12:05 AM	58.0	56.1	02:40 AM - 02:45 AM	47.5	43.3	05:20 AM - 05:25 AM	55.5	53.1
12:05 AM - 12:10 AM	57.8	56.3	02:45 AM - 02:50 AM	58.1	45.3	05:25 AM - 05:30 AM	56.8	54.2
12:10 AM - 12:15 AM	57.8	56.4	02:50 AM - 02:55 AM	45.3	43.0	05:30 AM - 05:35 AM	57.9	56.1
12:15 AM - 12:20 AM	57.8	56.6	02:55 AM - 03:00 AM	48.2	45.1	05:35 AM - 05:40 AM	59.1	56.5
12:20 AM - 12:25 AM	57.5	56.5	03:00 AM - 03:05 AM	45.6	43.3	05:40 AM - 05:45 AM	59.8	54.6
12:25 AM - 12:30 AM	58.1	57.0	03:05 AM - 03:10 AM	47.1	43.8	05:45 AM - 05:50 AM	58.6	52.9
12:30 AM - 12:35 AM	58.5	56.9	03:10 AM - 03:15 AM	48.1	45.0	05:50 AM - 05:55 AM	58.6	52.2
12:35 AM - 12:40 AM	58.5	56.9	03:15 AM - 03:20 AM	47.4	43.5	05:55 AM - 06:00 AM	59.7	54.1

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22122147
Date Received : Nov 30, 2022
Date Reported : Dec 09, 2022
Report Number : 2509438-1

Page 3 of 3

Sample Number : 22122147-21
Parameter : Noise Level (Leq 5 min)
Location : ชุมชนในเขตอุตสาหกรรมสุรนารี (หมู่ที่ 6 ตำบลหนองระเวียง) (GPS 48P 0196392, 1651555)
Measurement Date : Nov 27 - Nov 28, 2022
Measurement by : Sangtawan Natasat
Sound Level meter : Serial No. 885439

Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)	Nov 28, 2022 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	63.0	54.5	08:40 AM - 08:45 AM	58.5	52.2	11:20 AM - 11:25 AM	59.2	57.0
06:05 AM - 06:10 AM	63.4	57.7	08:45 AM - 08:50 AM	59.7	53.0	11:25 AM - 11:30 AM	59.1	56.7
06:10 AM - 06:15 AM	61.0	57.5	08:50 AM - 08:55 AM	56.7	52.7	11:30 AM - 11:35 AM	58.0	56.2
06:15 AM - 06:20 AM	62.6	58.6	08:55 AM - 09:00 AM	58.4	52.0	11:35 AM - 11:40 AM	58.6	56.1
06:20 AM - 06:25 AM	64.1	58.1	09:00 AM - 09:05 AM	58.0	52.2	11:40 AM - 11:45 AM	59.2	55.9
06:25 AM - 06:30 AM	62.2	57.6	09:05 AM - 09:10 AM	57.5	51.8	11:45 AM - 11:50 AM	61.6	56.6
06:30 AM - 06:35 AM	60.1	55.1	09:10 AM - 09:15 AM	56.6	52.0	11:50 AM - 11:55 AM	59.4	56.6
06:35 AM - 06:40 AM	59.4	55.0	09:15 AM - 09:20 AM	59.3	51.8	11:55 AM - 12:00 PM	59.0	56.3
06:40 AM - 06:45 AM	62.5	57.6	09:20 AM - 09:25 AM	56.1	51.8	12:00 PM - 12:05 PM	58.5	55.8
06:45 AM - 06:50 AM	61.6	57.5	09:25 AM - 09:30 AM	60.5	53.4	12:05 PM - 12:10 PM	59.0	54.8
06:50 AM - 06:55 AM	62.1	57.1	09:30 AM - 09:35 AM	58.8	53.8	12:10 PM - 12:15 PM	59.1	54.8
06:55 AM - 07:00 AM	62.0	56.4	09:35 AM - 09:40 AM	62.4	53.8	12:15 PM - 12:20 PM	57.7	55.5
07:00 AM - 07:05 AM	61.8	57.7	09:40 AM - 09:45 AM	60.8	52.4	12:20 PM - 12:25 PM	58.3	55.5
07:05 AM - 07:10 AM	63.0	58.5	09:45 AM - 09:50 AM	58.1	52.0	12:25 PM - 12:30 PM	58.0	55.2
07:10 AM - 07:15 AM	64.7	59.2	09:50 AM - 09:55 AM	60.1	53.0	12:30 PM - 12:35 PM	57.8	55.3
07:15 AM - 07:20 AM	64.4	59.4	09:55 AM - 10:00 AM	58.0	52.6	12:35 PM - 12:40 PM	58.1	55.5
07:20 AM - 07:25 AM	63.3	58.2	10:00 AM - 10:05 AM	58.7	56.5	12:40 PM - 12:45 PM	58.3	56.2
07:25 AM - 07:30 AM	62.5	56.8	10:05 AM - 10:10 AM	59.9	56.9	12:45 PM - 12:50 PM	55.6	53.8
07:30 AM - 07:35 AM	62.0	55.2	10:10 AM - 10:15 AM	58.4	56.4	12:50 PM - 12:55 PM	56.2	53.7
07:35 AM - 07:40 AM	59.9	53.9	10:15 AM - 10:20 AM	58.9	56.7	12:55 PM - 01:00 PM	56.8	53.5
07:40 AM - 07:45 AM	61.0	52.2	10:20 AM - 10:25 AM	58.9	56.5	01:00 PM - 01:05 PM	59.2	54.2
07:45 AM - 07:50 AM	58.6	53.1	10:25 AM - 10:30 AM	59.7	56.4	01:05 PM - 01:10 PM	57.0	54.2
07:50 AM - 07:55 AM	61.2	53.6	10:30 AM - 10:35 AM	59.3	55.9	01:10 PM - 01:15 PM	56.6	53.9
07:55 AM - 08:00 AM	61.6	53.7	10:35 AM - 10:40 AM	59.0	56.4	01:15 PM - 01:20 PM	56.1	53.4
08:00 AM - 08:05 AM	58.6	53.9	10:40 AM - 10:45 AM	59.2	56.0	01:20 PM - 01:25 PM	56.6	52.4
08:05 AM - 08:10 AM	56.6	52.7	10:45 AM - 10:50 AM	59.1	56.5	01:25 PM - 01:30 PM	56.7	52.4
08:10 AM - 08:15 AM	58.9	53.8	10:50 AM - 10:55 AM	59.7	56.9	01:30 PM - 01:35 PM	55.3	53.1
08:15 AM - 08:20 AM	64.7	59.9	10:55 AM - 11:00 AM	59.0	57.0	01:35 PM - 01:40 PM	55.9	53.1
08:20 AM - 08:25 AM	62.5	58.0	11:00 AM - 11:05 AM	58.8	55.9	01:40 PM - 01:45 PM	55.6	52.8
08:25 AM - 08:30 AM	63.9	59.3	11:05 AM - 11:10 AM	59.0	56.3	01:45 PM - 01:50 PM	55.4	52.9
08:30 AM - 08:35 AM	63.1	58.3	11:10 AM - 11:15 AM	60.3	57.0	01:50 PM - 01:55 PM	55.7	53.1
08:35 AM - 08:40 AM	64.7	59.1	11:15 AM - 11:20 AM	58.9	56.2	01:55 PM - 02:00 PM	55.9	53.8

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Approved by

Sarayuth Jittrantont
Assistant General Manager

ภาคผนวก ค-4

คุณภาพน้ำทิ้ง



Analysis / Test Report

TESTING

No.0009

Lot ID: 2269299

Date Received : Jul 08, 2022

Date Reported : Jul 15, 2022

Report Number : 2335372-1

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่ 4600001546

Project Name : Monitoring EIA

Project Location : GNRV1

Page 1 of 1

Sample Number	2269299-1							
Sampled Date	Jul 07, 2022 10:00 AM							
Sample Description	Wastewater							
Location	บ่อพักน้ำทิ้งรวม							
Date Analysis Commenced	Jul 08, 2022							
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Chromium	mg/L	0.0003	0.0005	<0.0005	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤1	No Standard	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.07	≤5.0	No Standard	Based on APHA (2017), 3125	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2	15	≤20	No Standard	Based on APHA (2017), 5210 B	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	8.0	6.5-8.5	No Standard	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤40	≤34	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	212	≤1300	≤1100	Based on APHA (2017), 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	4.1	≤35	No Standard	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	25	≤30	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Somboon Butchan

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2269299
Date Received : Jul 08, 2022
Date Reported : Jul 16, 2022
Report Number : 2335372-2

Page 1 of 1

Sample Number	2269299-1							
Sampled Date	Jul 07, 2022 10:00 AM							
Sample Description	Wastewater							
Location	บ่อกักน้ำทิ้งรวม							
Date Analysis Commenced	Jul 08, 2022							
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.78	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.38	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
SAR *		-	-	1.56	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Sodium *	mmol/L	0.002	0.004	1.68	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	49.0	No Standard	No Standard	APHA (2017), 9221 E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	0.55	No Standard	No Standard	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
Chlorite *	mg/L	0.05	0.1	0.46	No Standard	≤2.92	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	432	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.4	≥2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok
Phosphate as P *	mg/L	0.005	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), 4500-P(E)	Bangkok

Guideline :

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Somboon Butchan

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2271928
Date Received : Aug 10, 2022
Date Reported : Sep 05, 2022
Report Number : 2340471-1

Page 1 of 3

Sample Number	2271928-1							
Sampled Date	Aug 09, 2022 10:00 AM							
Sample Description	Wastewater							
Location	บ่อพักน้ำทิ้งรวม							
Date Analysis Commenced	Aug 10, 2022							
Condition of Sample	Contained in four amber glass bottles, two BOD bottles, two glass vials and twelve plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	No Standard	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.11	≤1.0	No Standard	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.01	No Standard	Based on APHA (2017), 3125	Bangkok
Chromium	mg/L	0.0003	0.0005	<0.0005	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤1	No Standard	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	No Standard	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.1	No Standard	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.27	≤5	No Standard	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	Not Detected	≤0.2	No Standard	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	No Standard	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.10	≤5.0	No Standard	Based on APHA (2017), 3125	Bangkok

Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2271928
Date Received : Aug 10, 2022
Date Reported : Sep 05, 2022
Report Number : 2340471-1

Page 2 of 3

Sample Number	2271928-1
Sampled Date	Aug 09, 2022 10:00 AM
Sample Description	Wastewater
Location	บ่อกักน้ำทิ้งรวม
Date Analysis Commenced	Aug 10, 2022
Condition of Sample	Contained in four amber glass bottles, two BOD bottles, two glass vials and twelve plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
2,4-DDD	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
2,4-DDE	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
2,4-DDT	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
4,4-DDD	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
4,4-DDE	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
4,4-DDT	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Aldrin	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
alpha-BHC	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
beta-BHC	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Chlordane	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
delta-BHC	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Dieldrin	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Endosulfan I	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Endosulfan II	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Endrin	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Heptachlor	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Heptachlor-Epoxide	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Lindane (gamma-BHC)	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Methoxychlor	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok

Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2271928
Date Received : Aug 10, 2022
Date Reported : Sep 05, 2022
Report Number : 2340471-1

Page 3 of 3

Sample Number	2271928-1							
Sampled Date	Aug 09, 2022 10:00 AM							
Sample Description	Wastewater							
Location	บ่อพักน้ำทิ้งรวม							
Date Analysis Commenced	Aug 10, 2022							
Condition of Sample	Contained in four amber glass bottles, two BOD bottles, two glass vials and twelve plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2	4	≤20	No Standard	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	41	≤100	No Standard	Based on APHA (2017), 5220 D	Bangkok
Color (at Original pH) *	ADMI	-	5	20	≤300	No Standard	APHA (2017), 2120 F	Bangkok
Color (at pH 7.0) *	ADMI	-	5	16	≤300	No Standard	APHA (2017), 2120 F	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	≤0.2	No Standard	Based on APHA (2017), 4500-CN (C),(E)	Bangkok
Formaldehyde *	mg/L	0.03	0.1	<0.1	≤1	No Standard	Wastewater Analysis	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	6.5-8.5	No Standard	Based on APHA (2017), 4500-H (B)	Bangkok
Phenol *	mg/L	0.0005	0.001	Not Detected	≤1	No Standard	Based on APHA (2017), 5530 C	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	0.2	≤1	No Standard	APHA (2017), 4500-Cl(F)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1	No Standard	Based on APHA (2017), 4500-S2(C), (F)	Bangkok
Temperature *	Degree C	-	-	30.1	≤40	≤34	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	304	≤1300	≤1100	Based on APHA (2017), 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	3.6	≤35	No Standard	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤30	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Sangtawan Natasat

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2271928
Date Received : Aug 10, 2022
Date Reported : Sep 05, 2022
Report Number : 2340471-2

Page 1 of 2

Sample Number	2271928-1							
Sampled Date	Aug 09, 2022 10:00 AM							
Sample Description	Wastewater							
Location	บ่อกักน้ำทิ้งรวม							
Date Analysis Commenced	Aug 10, 2022							
Condition of Sample	Contained in four amber glass bottles, two BOD bottles, two glass vials and twelve plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.68	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.37	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
SAR *	-	-	-	1.96	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Sodium *	mmol/L	0.002	0.004	2.02	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	240.0	No Standard	No Standard	APHA (2017), 9221 E	Bangkok
Pesticides v Organochlorine Group								
alpha-Chlordane *	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
gamma-Chlordane *	ug/L	0.001	0.02	Not Detected	No Standard	No Standard	Based on APHA (2017), 6630 C	Bangkok
Hexachlorobenzene	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
Mirex *	ug/L	0.001	0.02	Not Detected	Not Detected	No Standard	Based on APHA (2017), 6630 C	Bangkok
- ater Testing								
Ammonia Nitrogen *	mg/L	-	0.06	0.66	No Standard	No Standard	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
Anionic Surfactant as MBAS *	mg/L	0.015	0.05	<0.05	No Standard	No Standard	Based on APHA (2017), 5540 (B),(C)	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	≤2.92	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	442	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.4	≥2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok
Gross alpha activity *	Bq/L	0.018	0.018	Not Detected	No Standard	No Standard	Based on APHA (2017), 7110 B	Bangkok
Gross beta activity *	Bq/L	0.012	0.012	0.411 ± 0.030	No Standard	No Standard	Based on APHA (2017), 7110 B	Bangkok
Odour *	-	-	-	Odourless	No Standard	No Standard	APHA (2017), 2150 B	Bangkok
Phosphate as P *	mg/L	0.005	0.01	0.10	No Standard	No Standard	Based on APHA (2017), 4500-P(E)	Bangkok
Tar *	mg/L	0.5	1.0	Not Detected	No Standard	No Standard	Based on US EPA, Method 8015D	Bangkok

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2271928
Date Received : Aug 10, 2022
Date Reported : Sep 05, 2022
Report Number : 2340471-2

Page 2 of 2

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Sangtawan Natasat

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Siriluk P.

Siriluk Puenggang
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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2295707
Date Received : Sep 09, 2022
Date Reported : Sep 16, 2022
Report Number : 2394807-1

Page 1 of 1

Sample Number	2295707-1
Sampled Date	Sep 08, 2022 10:30 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	Sep 09, 2022
Condition of Sample	Contained in one amber glass bottle, two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Chromium	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.0010	≤1	No Standard	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.12	≤5.0	No Standard	Based on APHA (2017), 3125	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2	14	≤20	No Standard	Based on APHA (2017), 5210 B	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	6.5-8.5	No Standard	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.9	≤40	≤34	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	304	≤1300	≤1100	Based on APHA (2017), 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	4.7	≤35	No Standard	Based on APHA (2017), 4500-Norg (C)	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Dunlayaphon Sonnok

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2295707
Date Received : Sep 09, 2022
Date Reported : Sep 16, 2022
Report Number : 2394807-2

Page 1 of 1

Sample Number	2295707-1							
Sampled Date	Sep 08, 2022 10:30 AM							
Sample Description	Wastewater							
Location	บ่อพักน้ำทิ้งรวม							
Date Analysis Commenced	Sep 09, 2022							
Condition of Sample	Contained in one amber glass bottle, two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.74	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.47	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
SAR *		-	-	1.74	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Sodium *	mmol/L	0.002	0.004	1.91	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	790.0	No Standard	No Standard	APHA (2017), 9221 E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	0.61	No Standard	No Standard	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
Chlorite *	mg/L	0.05	0.1	0.25	No Standard	≤2.92	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	452	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.9	≥2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok
Phosphate as P *	mg/L	0.005	0.01	Not Detected	No Standard	No Standard	Based on APHA (2017), 4500-P(E)	Bangkok

Guideline :

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Dunlayaphon Sonnok

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22116549
Date Received : Sep 23, 2022
Date Reported : Sep 27, 2022
Report Number : 2440862-1

Page 1 of 1

Sample Number 22116549-1
Sampled Date Sep 22, 2022 9:20 AM
Sample Description Wastewater
Location บ่อพักน้ำทิ้งรวม
Date Analysis Commenced Sep 24, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤30	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Natthapon Kunnasut

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client DGulf 1 RV4 Co.2Ltd.

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P/O : สัญญาเลขที่38::: 4538

Project Name DMonitoring EIA

Project Location DG1 RV4

TESTING

No.0009

Lot ID: 22106397

c ate Re0eived DS0t 9, 29: 99

c ate Reported D1 ov : 629: 99

Report 1 umber D934867- N#

Page 4 of 4

Sample Number	994: 867, N#
Sampled Date	S0t 9829: 99 4D6: PM
Sample Description	Wastewater
Location	บ่อกักน้ำทิ้งรวม
Date Analysis Commenced	S0t 9, 29: 99
Condition of Sample	Contained in one amber glass bottle2two glass vials2two BSc bottles and siOplasti0 bottles2sample 0ontainers 0omply to pretreatment Npreservation standards xAP(A2HUEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Chromium	mg/L	:::: 6	:::: 5	:::: 7	1o Utandard	1o Utandard	Based on AP(A x9: 4,)26495	Bangkok
Copper	mg/L	:::: 6	:::: 5	::: 6	≤4	1o Utandard	Based on AP(A x9: 4,)26495	Bangkok
Mer0ury Z	mg/L	:::: 4	:::: 5	1ot c ete0ted	≤::: 5	1o Utandard	Based on AP(A x9: 4,)26449	Bangkok
8in0	mg/L	::: 6	::: 5	::: 7	≤5::	1o Utandard	Based on AP(A x9: 4,)26495	Bangkok
Water Testing								
BSc x5 days at 9: degree C)	mg/L	N	9	6	≤9:	1o Utandard	Based on AP(A x9: 4,)2594: B	Bangkok
Sil < Grease	mg/L	N	6	* 6	≤5	1o Utandard	Based on AP(A x9: 4,)2559: B	Bangkok
p(at 95 degree C		N	N	, .8	8.5N .5	1o Utandard	Based on AP(A x9: 4,)235: :N xB)	Bangkok
Temperature Z	c egree C	N	N	97.8	≤3:	≤63	Based on AP(A x9: 4,)2955: B	Bangkok
Total c issolved solids c ried at 4-: degree C	mg/L	N	5	479	≤46: :	≤44: :	Based on AP(A x9: 4,)2953: C	Bangkok
Total Kjeldahl 1 itrogen as 1 Z	mg/L	: .45	4.:	4.-	≤65	1o Utandard	Based on AP(A x9: 4,)235: : N.org xC)	Bangkok
Total Uuspended Uolids c ried at 4: 6N: 5 degree C	mg/L	N	5	47	≤6:	1o Utandard	Based on AP(A x9: 4,)2953: c	Bangkok

Guideline : Guideline x4) DWater Chara0teristi0s c is0harge into Irrigation Uystem2Royal Irrigation c eartment 1o.4- /9584.

Guideline x9) DEnvironmental Impa0t Assessment Report of Gulf 1 RV4 Co.2Ltd.

Sampled By : Uomboon But0han

Remark D

- LSc DLimit of c ete0tion
- "*" DLower than LSc xLimit of Quantitation) / LSR xLimit of Reporting)
- Analytexs) marked Z is/are not in0luded in s0ope of A00reditation IUS/IEC 4, : 95.
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Technical Management

Sauvitree N.

Uawitree 1oisangiam

Manager

ทะเบียนเลขที่ วน0: 3นNB, : 7

Approved by

Kanokkorn Anek

Kanokkorn Anek

Uenior Manager

ทะเบียนเลขที่ วน0: 3นNB444

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22106397
Date Received : Oct 27, 2022
Date Reported : Nov 03, 2022
Report Number : 2416398-2

Page 1 of 1

Sample Number	22106397-1							
Sampled Date	Oct 26, 2022 1:30 PM							
Sample Description	Wastewater							
Location	บ่อกักน้ำทิ้งรวม							
Date Analysis Commenced	Oct 27, 2022							
Condition of Sample	Contained in one amber glass bottle, two glass vials, two BOD bottles and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.61	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.30	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
SAR *		-	-	1.41	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Sodium *	mmol/L	0.002	0.004	1.34	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	790.0	No Standard	No Standard	APHA (2017), 9221 E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	No Standard	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	≤2.92	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	330	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.9	≥2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok
Phosphate as P *	mg/L	0.005	0.01	Not Detected	No Standard	No Standard	Based on APHA (2017), 4500-P(E)	Bangkok

Guideline :

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Somboon Butchan

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Approved by

Tuanjai Thangklang
Manager



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22122449
Date Received : Nov 04, 2022
Date Reported : Nov 11, 2022
Report Number : 2454378-2

Page 1 of 1

Sample Number	22122449-1							
Sampled Date	Nov 03, 2022 10:00 AM							
Sample Description	Wastewater							
Location	บ่อกักน้ำทิ้งรวม							
Date Analysis Commenced	Nov 04, 2022							
Condition of Sample	Contained in two BOD bottles, six plastic bottles, one amber glass bottle and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.70	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.46	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
SAR *		-	-	1.76	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Sodium *	mmol/L	0.002	0.004	1.90	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	79.0	No Standard	No Standard	APHA (2017), 9221 E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	0.67	No Standard	No Standard	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	≤2.92	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	545	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.1	≥2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok
Phosphate as P *	mg/L	0.005	0.01	0.03	No Standard	No Standard	Based on APHA (2017), 4500-P(E)	Bangkok

Guideline :

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampled By : Natthapon Kunnasut

Remark :

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22135880
Date Received : Dec 07, 2022
Date Reported : Dec 14, 2022
Report Number : 2485723-1

Page 1 of 2

Sample Number	22135880-1							
Sampled Date	Dec 06, 2022 10:30 AM							
Sample Description	Wastewater							
Location	บ่อพักน้ำทิ้งรวม							
Date Analysis Commenced	Dec 07, 2022							
Condition of Sample	Contained in two BOD bottles, two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Chromium	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Zinc	mg/L	0.003	0.005	0.10	≤5.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2	4	≤20	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Oil & Grease *	mg/L	-	3	3	≤5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.9	6.5-8.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.6	≤40	≤34	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22135880
Date Received : Dec 07, 2022
Date Reported : Dec 14, 2022
Report Number : 2485723-1

Page 2 of 2

Sample Number	22135880-1							
Sampled Date	Dec 06, 2022 10:30 AM							
Sample Description	Wastewater							
Location	บ่อกักน้ำทิ้งรวม							
Date Analysis Commenced	Dec 07, 2022							
Condition of Sample	Contained in two BOD bottles, two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	296	≤1300	≤1100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	4.3	≤35	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤30	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampling By : Jessadin Kongsukdithai ทะเบียนเลขที่ ว-204-จ-7092

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22135880
Date Received : Dec 07, 2022
Date Reported : Dec 14, 2022
Report Number : 2485723-2

Page 1 of 2

Sample Number	22135880-1							
Sampled Date	Dec 06, 2022 10:30 AM							
Sample Description	Wastewater							
Location	บ่อพักน้ำทิ้งรวม							
Date Analysis Commenced	Dec 07, 2022							
Condition of Sample	Contained in two BOD bottles, two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.80	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.54	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	-	1.81	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	2.10	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	3300.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	2.46	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Chlorite *	mg/L	0.05	0.1	0.12	No Standard	≤2.92	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	504	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.8	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22135880
Date Received : Dec 07, 2022
Date Reported : Dec 14, 2022
Report Number : 2485723-2

Page 2 of 2

Sample Number	22135880-1							
Sampled Date	Dec 06, 2022 10:30 AM							
Sample Description	Wastewater							
Location	บ่อกักน้ำทิ้งรวม							
Date Analysis Commenced	Dec 07, 2022							
Condition of Sample	Contained in two BOD bottles, two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Phosphate as P *	mg/L	0.005	0.01	0.18	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-P (E)	Bangkok

Guideline :

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

Sampling By : Jessadin Kongsukdithai ทะเบียนเลขที่ ว-204-จ-7092

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Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2295740
Date Received : Sep 14, 2022
Date Reported : Sep 21, 2022
Report Number : 2394834-1

Page 1 of 1

Sample Number	2295740-1
Sampled Date	Sep 13, 2022 12:05 PM
Sample Description	Wastewater
Location	อ่างเก็บน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 14, 2022
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Chromium	mg/L	0.0003	0.0005	<0.0005	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	Not Detected	≤1	No Standard	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	No Standard	Based on APHA (2017), 3125	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2	3	≤20	No Standard	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	62	≤100	No Standard	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	No Standard	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	6.5-8.5	No Standard	Based on APHA (2017), 4500-H (B)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1	No Standard	Based on APHA (2017), 4500-S2(C), (F)	Bangkok
Temperature *	Degree C	-	-	30.4	≤40	≤34	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	332	≤1300	≤1300	Based on APHA (2017), 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.6	≤35	No Standard	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤30	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

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Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

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456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 2295740
Date Received : Sep 14, 2022
Date Reported : Sep 21, 2022
Report Number : 2394834-2

Page 1 of 1

Sample Number	2295740-1
Sampled Date	Sep 13, 2022 12:05 PM
Sample Description	Wastewater
Location	อ่างเก็บน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 14, 2022
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.48	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.43	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
SAR *		-	-	3.52	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Sodium *	mmol/L	0.002	0.004	3.36	No Standard	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Microbiological Testing								
Fecal Coliform	MPN/100mL	-	-	49.0	No Standard	No Standard	APHA (2017), 9221 E	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	No Standard	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	No Standard	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	573	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.4	≥2	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok
Phosphate as P *	mg/L	0.005	0.01	Not Detected	No Standard	No Standard	Based on APHA (2017), 4500-P(E)	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Environmental Impact Assessment Report of Gulf NRV1 Co., Ltd.

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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ภาคผนวก ค-5

คุณภาพน้ำใต้ดิน



Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2226696

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2464055-1

Page 1 of 1

Sample Number 2226696-1
Sampled Date Oct 06, 2022 3:30 PM
Sample Description Groundwater
Location GW1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองเรีง 1
Date Analysis Commenced Oct 08, 2022
Condition of Sample Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.2	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช่เป็นบ่อน้ำอ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampled By : Pongsaton Chaitip

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Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2226696

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2464055-2

Page 1 of 1

Sample Number	2226696-1						
Sampled Date	Oct 06, 2022 3:30 PM						
Sample Description	Groundwater						
Location	GW1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1						
Date Analysis Commenced	Oct 07, 2022						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	No Standard	Based on APHA (2017), 5210 B	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	Based on US EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	416	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.1	No Standard	Based on APHA (2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Based on APHA (2017), 5520 B	Bangkok
Temperature *	Degree C	-	-	28.4	No Standard	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	312	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	85	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pongsaton Chaitip

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2226696

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2464056-2

Page 1 of 1

Sample Number	2226696-2						
Sampled Date	Oct 06, 2022 5:20 PM						
Sample Description	Groundwater						
Location	GW2 Down gradient monitoring well บ่อบ่งโคงรางคอกไข่ หมู่ 1						
Date Analysis Commenced	Oct 07, 2022						
Condition of Sample	Contained in one amber glass bottle, two 500 ml bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards BAP(A, HSEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
500 ml days at 20 degree C *	mg/L	-	2	<2	No Standard	based on AP(A 2017), 5210 ม	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	based on HS EPA, Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	339	No Standard	based on AP(A 2017), 2510 ม	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.2	No Standard	based on AP(A 2017), 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	based on AP(A 2017), 5520 ม	Bangkok
Temperature *	Degree C	-	-	29.9	No Standard	based on AP(A 2017), 2550 ม	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	358	No Standard	based on AP(A 2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	148	No Standard	based on AP(A 2017), 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry ม.ร. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pongsaton Chaitip

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2226696

Date Received : Oct 07, 2022

Date Reported : Oct 14, 2022

Report Number : 2464057-2

Page 1 of 1

Sample Number	2226696-3						
Sampled Date	Oct 06, 2022 5:45 PM						
Sample Description	Groundwater						
Location	GW3 Down gradient monitoring well บ่อบ่งโคงรางคอกไข่ หมู่ 2						
Date Analysis Commenced	Oct 07, 2022						
Condition of Sample	Contained in one amber glass bottle, two 500 ml bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards BAP(A, HSEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
500 ml days at 20 degree C *	mg/L	-	2	<2	No Standard	based on AP(A 2017), 5210 ๒	๒angkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	based on HS EPA, Method 300.1	๒angkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	751	No Standard	based on AP(A 2017), 2510 ๒	๒angkok
Dissolved Oxygen *	mg/L	-	0.1	4.2	No Standard	based on AP(A 2017), 4500-O (C)	๒angkok
Oil & Grease	mg/L	-	3	<3	No Standard	based on AP(A 2017), 5520 ๒	๒angkok
Temperature *	Degree C	-	-	29.2	No Standard	based on AP(A 2017), 2550 ๒	๒angkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	492	No Standard	based on AP(A 2017), 2540 C	๒angkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	26	No Standard	based on AP(A 2017), 2540 D	๒angkok

Guideline : Notification of the Ministry of Industry ๒.E. 2559 ๒016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Pongsaton Chaitip

Remark :

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Siriluk Puengpang
Supervisor



Analysis / Test Report

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456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 2269300

Date Received : Jul 09, 2022

Date Reported : Jul 12, 2022

Report Number : 2335377-1

Page 1 of 2

Sample Number 2269300-1
Sampled Date Jul 08, 2022 11:10 AM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced Jul 11, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1341	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Sangtawan Natasat

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Nanthawadee Somboon
Specialist 1



Analysis / Test Report

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 2269300

Date Received : Jul 09, 2022

Date Reported : Jul 12, 2022

Report Number : 2335377-1

Page 2 of 2

Sample Number 2269300-2
Sampled Date Jul 08, 2022 10:40 AM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR2 Down gradient monitoring well ของโครงการโรงไฟฟ้าหนองแวง 1
Date Analysis Commenced Jul 11, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	2377	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Sangtawan Natasat

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Nanthawadee Somboon
Specialist 1



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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2269301

Date Received : Jul 22, 2022

Date Reported : Jul 25, 2022

Report Number : 2335376-1

Page 1 of 2

Sample Number 2269301-1
Sampled Date Jul 21, 2022 12:10 PM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced Jul 25, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1309	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Dunlayaphon Sonnok

Remark :

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2269301

Date Received : Jul 22, 2022

Date Reported : Jul 25, 2022

Report Number : 2335376-1

Page 2 of 2

Sample Number 2269301-2
Sampled Date Jul 21, 2022 11:50 AM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR2 Down gradient monitoring well ของโครงการโรงไฟฟ้าหนองแวง 1
Date Analysis Commenced Jul 25, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	2453	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Dunlayaphon Sonnok

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 2271942

Date Received : Aug 06, 2022

Date Reported : Aug 09, 2022

Report Number : 2340547-1

Page 1 of 2

Sample Number 2271942-1
Sampled Date Aug 05, 2022 1:10 PM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced Aug 08, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1539	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Sangtawan Natasat

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 2271942

Date Received : Aug 06, 2022

Date Reported : Aug 09, 2022

Report Number : 2340547-1

Page 2 of 2

Sample Number 2271942-2
Sampled Date Aug 05, 2022 1:00 PM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR2 Down gradient monitoring well ของโครงการโรงไฟฟ้าหนองแวง 1
Date Analysis Commenced Aug 08, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	2494	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Sangtawan Natasat

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 2271944

Date Received : Aug 20, 2022

Date Reported : Aug 23, 2022

Report Number : 2340557-1

Page 1 of 2

Sample Number 2271944-1
Sampled Date Aug 19, 2022 11:50 AM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced Aug 22, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1565	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Dunlayaphon Sonnok

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 2271944

Date Received : Aug 20, 2022

Date Reported : Aug 23, 2022

Report Number : 2340557-1

Page 2 of 2

Sample Number 2271944-2
Sampled Date Aug 19, 2022 11:30 AM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR2 Down gradient monitoring well ของโครงการโรงไฟฟ้าหนองแวง 1
Date Analysis Commenced Aug 22, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	2603	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Dunlayaphon Sonnok

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P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2296323

Date Received : Aug 31, 2022
Date Reported : Sep 02, 2022
Report Number : 23- 65b1P1

Page 1 of 2

Sample Number 22- 6323P1
Sampled Date Aug 30, 2022 11:30 AM
Sample Description Groundwater sample for monitoring
Location GU R1 for gradient monitoring well in the area of the project
Date Analysis Commenced Sep 01, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment and preservation standards (AWSA, 17EWA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	P	0.5	1563	No standard	Based on AWSA H201b), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 255- H2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Reporting and Remediation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Wangtana Natasat

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P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2296323

Date Received : Aug 31, 2022
Date Reported : Sep 02, 2022
Report Number : 23- 65b1P1

Page 2 of 2

Sample Number 22- 6323P2
Sampled Date Aug 30, 2022 11:10 AM
Sample Description Groundwater quality monitoring
Location GU R2 Down gradient monitoring well at the site of the project
Date Analysis Commenced Sep 01, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment and preservation standards (AWSA, 17EWA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	P	0.5	2641	No standard	Based on AWSA H201b), 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 255- H2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Reporting and Remediation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Wangtana Natasat

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P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2295752

Date Received : 2ep 14, D0DD
Date Reported : 2ep 16, D0DD
Report NumPer : D374- 45bl

Page 1 of D

Sample Number DD75_5Db1
Sampled Date 2ep 13, D0DD 1D:45 wM
Sample Description Groundwater รวบรวม น้ำดื่ม
Location G1 R1 คพ gradient monitoring well ขง ไฟร์ นาว่าไร้ หอหลยพื้ วรลลล(1
Date Analysis Commenced 2ep 15, D0DD
Condition of Sample Contained in one plastic Pottle, sample containers comply to pretreatment b preservation standards HAwSA, ค2EwA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at D5 degree C	micromhos/cm b		0.5	14_-	No 2tandard	Based on AwSA HD01_), D510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. D557 HD016) on 2oil and Groundwater Contamination Criteria, Monitoring of 2oil and Groundwater Quality, Report 2uPmission and Report wparation of 2oil and Groundwater Quality, and wproposal Report of 2oil and Groundwater Controlling and Reduction Measures

Sampled By : 2angtauan Natasat

Remark :

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 2295752

Date Received : 2ep 14, D0DD
Date Reported : 2ep 16, D0DD
Report NumPer : D374- 45bl

Page D of D

Sample Number DD75_5DdD
Sampled Date 2ep 13, D0DD 1D:30 PM
Sample Description Groundwater รวบรวมจาก บ่อน้ำดิบ
Location G1 RD 9 บ่อน้ำดิบ gradient monitoring well ชลบุรี นาหว้า หนองบัว รวบรวม (1
Date Analysis Commenced 2ep 15, D0DD
Condition of Sample Contained in one plastic Pottle, sample containers comply to pretreatment & preservation standards HAWSA, (2EWA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at D5 degree C	micromhos/cm b		0.5	D60_	No 2standard	Based on AwSA HD01_), D510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. D557 HD016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report 2uPmission and Report 2uPreparation of Soil and Groundwater Quality, and 2uproposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : 2angtan an Natasat

Remark :

- LO9 : Limit of 9etection
- "<" : Lower than LOQ Hlimit of Quantitation) / LOR Hlimit of Reporting)

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Approved by

Siriluk P.

Ziriluk wuenggang
Supervisor

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2295757

Date Received : 2ep 30, D0DD
Date Reported : 7 ct 03, D0DD
Report Number : D3- 4b65P1

_age 1 of D

Sample Number DD- 5น5นPl
Sampled Date 2ep D- , D0DD 1D:00 _M
Sample Description Groundwater at วนจก ก้าน พื้ที่
Location กร R1 ป gradient monitoring ร ell ขกนฟ วน จกนจระ 80กนฟ (Hu 1
Date Analysis Commenced 7 ct 03, D0DD
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment & preservation standards SA_) A, 12E_AB

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	P	0.5	1455	No 2standard	Qased on A_) A SD01นB D510 Q	Qangkok

Guideline : Notification of the Ministry of Industry Q.E. D55- SD016B on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Kontiva Zatachon

Remark :

- L79 : Limit of Detection
- "<" : Less than L70 Limit of Quantitation / L7R Limit of Reporting

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Narin Zaiseng
Supervisor



Analysis / Test Report

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456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 2295757

Date Received : 2ep 30, D0DD
Date Reported : 7 ct 03, D0DD
Report Number : D3- 4b65P1

_age D of D

Sample Number DD- 5น5นFD
Sampled Date 2ep D- , D0DD 11:45 AM
Sample Description Groundwater at วนอุทยาน ป่าห้วย
Location กร RD 9 or n gradient monitoring well ขกนฟ วนอุทยานแห่งชาติภูพาน (Hu 1
Date Analysis Commenced 7 ct 03, D0DD
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment & preservation standards SA_) A, 12E_AB

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at D5 degree C	micromhos/cm P		0.5	Dubu	No 2standard	Qased on A_) A SD01นB D510 Q	Qangkok

Guideline : Notification of the Ministry of Industry Q.E. D55- SD016B on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Kontiva Zatachon

Remark :

- L79 : Limit of Detection
- "<" : Less than L70 Limit of Quantitation / L7R Limit of Reporting

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Narin Zaiseng
Supervisor



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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 22122455

Date Received : Nov 11, 2022

Date Reported : Nov 15, 2022

Report Number : 245441091

- age 1 of 2

Sample Number 2212245591
Sampled Date Nov 10, 2022 3:15 - M
Sample Description Groundwater Pw_ที่ ว.๑๖๔ ทุ่งก้าต๊อ
Location ณ R1' p gradient monitoring bell ขวอPw_๑ ว.๑๖๔โคกขี้ฟกวอ_ เรือ 1
Date Analysis Commenced Nov 14, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment & preservation standards ๘A- ๘A, ๘E- A(

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	9	0.5	) B6	No 8standard	Hased on A- ๘A ๘201S(, 2510 H	Hangkok

Guideline : Notification of the Ministry of Industry H.E. 255B ๘2016(on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report - reparation of Soil and Groundwater Quality, and - roposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : - ongsaton Chaitip

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ ๘Limit of Quantitation(/ LOR ๘Limit of Reporting(

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Narin Saiseng
Supervisor



Analysis / Test Report

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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

Lot ID: 22122455

Date Received : Nov 11, 2022

Date Reported : Nov 15, 2022

Report Number : 245441091

- page 2 of 2

Sample Number 221224559
Sampled Date Nov 10, 2022 3:00 - M
Sample Description Groundwater Pw_ที่ วณ 6 กักน้ำ
Location ณ R2 Down gradient monitoring well ขวอ พ.อ. 1 พ.อ. โคเค่ง พก.อ. 1
Date Analysis Commenced Nov 14, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment & preservation standards 8A, 8E-A

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	9	0.5	1122	No standard	Based on A- 8A 2015, 2510 H	Hangkok

Guideline : Notification of the Ministry of Industry H.E. 255B 2016 (on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report - preparation of Soil and Groundwater Quality, and - proposal Report of Soil and Groundwater Controlling and Reduction Measures)

Sampled By : - ongsat Chaitip

Remark :

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- "<" : Lower than LOQ Limit of Quantitation / LOR Limit of Reporting

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Narin Saiseng
Supervisor



Analysis / Test Report

TESTING

No.0009

Lot ID: 22106474

Date Received : Nov 26, 2022

Date Reported : Dec 29, 2022

Report Number : 2511224-1

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่4600001546

Project Name : Monitoring EIA

Project Location: GNRV1

Page 1 of 1

Sample Number	22106474-1
Sampled Date	Nov 25, 2022 12:00 PM
Sample Description	Groundwater
Location	GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced	Nov 28, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	6.6	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampling By : Jessadin Kongsukdithai ทะเบียนเลขที่ ว-204-จ-7092

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Nant Somb

Nanthawadee Somboon

Specialist 1

ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location: GNRV1

TESTING

No.0009

Lot ID: 22106474

Date Received : Nov 26, 2022

Date Reported : Dec 29, 2022

Report Number : 2511224-2

Page 1 of 2

Sample Number	22106474-1
Sampled Date	Nov 25, 2022 12:00 PM
Sample Description	Groundwater
Location	GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced	Nov 26, 2022
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	796	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
Temperature *	Degree C	-	-	29.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	552	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	112	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Jessadin Kongsukdithai ทะเบียนเลขที่ ว-204-จ-7092

Remark :

Approved by

Nant Somb

Nanthawadee Somboon

Specialist 1

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Analysis / Test Report

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P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22106474
Date Received : Nov 26, 2022
Date Reported : Dec 29, 2022
Report Number : 2511224-2

Page 2 of 2

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Nanthawadee Somboon
Specialist 1

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TESTING

No.0009

Lot ID: 22106474

Date Received : Nov 26, 2022

Date Reported : Dec 29, 2022

Report Number : 2511225-1

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่4600001546

Project Name : Monitoring EIA

Project Location: GNRV1

Page 1 of 1

Sample Number	22106474-2
Sampled Date	Nov 25, 2022 11:45 AM
Sample Description	Groundwater
Location	GWR2 Down gradient monitoring well ขปองโคกรางคอกไฟ หอคนเรือ 1
Date Analysis Commenced	Nov 2๕, 2022
Condition of Sample	Contained in two 8BD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards OAP(A, HSEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.1	6.5-9.2 (1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - (18)	Bangkok

Guideline : Notification of the Ministry of Industry 8.E. 2559 Q2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

[illegible]

Sampling By : Jessadin Kongsukdithai ทนบิวเลขที่ ๘-204-จ-7092

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Technical Management

Nant Somb

Nanthawadee Somboon

Specialist 1

ทนายเลขที่ ๕-204-จ-4716

Approved by

Leah Auk.

Kanokkorn Anek

Senior Manager

ทนายเลขที่ ะ-204-โ-6111

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TESTING

No.0009

Lot ID: 22106474

Date Received : Nov 26, 2022

Date Reported : Dec 29, 2022

Report Number : 2511225-2

Page 1 of 2

Client : Gulf NRV1 Co., Ltd.

456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000

P/O : สัญญาเลขที่4600001546

Project Name : Monitoring EIA

Project Location: GNRV1

Sample Number	22106474-2
Sampled Date	Nov 25, 2022 11:45 AM
Sample Description	Groundwater
Location	GWR2 Down gradient monitoring well ขปองโคกรางคอกไไฟฟ้า หปอคนเรื่อ 1
Date Analysis Commenced	Nov 26, 2022
Condition of Sample	Contained in two ๘BD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards OAP(A, HSEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD 5 days at 20 degree C) *	mg/L	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1452	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Bxygen *	mg/L	-	0.1	2.7	No Standard	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA & WEF, 23rd ed., 2017, part 4500-B (C)	Bangkok
Bil & Grease	mg/L	-	3	<3	No Standard	In - house method : STM 04-014 based on Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
Temperature *	Degree C	-	-	29.6	No Standard	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	1039	No Standard	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry & E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Jessadin Kongsukdithai ทนบิวเลขที่ ๕-204-จ-7092

Remark :

Approved by

Nant Somb

Nanthawadee Somboon

Specialist 1

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Analysis / Test Report

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456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่ 4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

TESTING
No.0009
Lot ID: 22106474
Date Received : Nov 26, 2022
Date Reported : Dec 29, 2022
Report Number : 2511225-2

Page 2 of 2

- LBD : Limit of Detection
- "<" : Lower than LBQ (Limit of Quantitation) / LBR (Limit of Reporting)
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P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22135882

Date Received : Dec 10, 2022

Date Reported : Dec 13, 2022

Report Number : 2485728-1

Page 1 of 2

Sample Number 22135882-1
Sampled Date Dec 09, 2022 12:15 PM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced Dec 13, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1160	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Somboon Butchan

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Narin Saiseng
Supervisor



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22135882

Date Received : Dec 10, 2022

Date Reported : Dec 13, 2022

Report Number : 2485728-1

Page 2 of 2

Sample Number 22135882-2
Sampled Date Dec 09, 2022 12:00 PM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR2 Down gradient monitoring well ของโครงการโรงไฟฟ้าหนองแวง 1
Date Analysis Commenced Dec 13, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1568	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampled By : Somboon Butchan

Remark :

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Narin Saiseng
Supervisor



Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22135883

Date Received : Dec 23, 2022

Date Reported : Dec 26, 2022

Report Number : 2485730-1

Page 1 of 2

Sample Number 22135883-1
Sampled Date Dec 22, 2022 11:45 AM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR1 Up gradient monitoring well ของโครงการโรงไฟฟ้าหนองระเวียง 1
Date Analysis Commenced Dec 26, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1250	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Somboon Butchan ทะเบียนเลขที่ ว-204-จ-7514

Remark :

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Gulf NRV1 Co., Ltd.
456 Moo 6, T. Nongraveing, A. Muang, Nakhonratchasima 30000
P/O : สัญญาเลขที่4600001546
Project Name : Monitoring EIA
Project Location : GNRV1

Lot ID: 22135883

Date Received : Dec 23, 2022

Date Reported : Dec 26, 2022

Report Number : 2485730-1

Page 2 of 2

Sample Number 22135883-2
Sampled Date Dec 22, 2022 12:30 PM
Sample Description Groundwater_บริเวณอ่างเก็บน้ำทั้ง
Location GWR2 Down gradient monitoring well ของโครงการโรงไฟฟ้าหนองแวง 1
Date Analysis Commenced Dec 26, 2022
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1734	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Somboon Butchan ทะเบียนเลขที่ ว-204-จ-7514

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Approved by

Siriluk P.

Siriluk Puengpang
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