

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report



TESTING
No.0042

Lot ID: 2443460

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number : 2969268-1C6

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong

Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Page 1 of 1

Sample Description Air Quality
Location โรงเรือนพืชมงคล (GPS 47P 0735497, 1445317)
Date Analysis Commenced Jun 03, 2024
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/m ³) | Particulate Matter (PM-10) (mg/m ³) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|------------------|-----------------------|--|---|-----------------------------|------------------------------|
| 2443460-1 | May 24 - May 25, 2024 | 0.034 | 0.017 | 755 | 30 |
| 2443460-2 | May 25 - May 26, 2024 | 0.019 | 0.015 | 755 | 30 |
| 2443460-3 | May 26 - May 27, 2024 | 0.026 | 0.017 | 755 | 30 |
| 2443460-4 | May 27 - May 28, 2024 | 0.028 | 0.022 | 755 | 32 |
| 2443460-5 | May 28 - May 29, 2024 | 0.025 | 0.019 | 755 | 32 |
| 2443460-6 | May 29 - May 30, 2024 | 0.030 | 0.020 | 755 | 32 |
| 2443460-7 | May 30 - May 31, 2024 | 0.026 | 0.020 | 755 | 33 |
| 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 : Satcha Phetsawaeng

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report



TESTING
No.0042

Lot ID: 2443460

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number : 2969268-2C6

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong

Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Page 1 of 1

Sample Description Air Quality
Location โรงเรือนพืชมงคล (GPS 47P 0738199, 1443916)
Date Analysis Commenced Jun 03, 2024
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/m ³) | Particulate Matter (PM-10) (mg/m ³) | Barometric Pressure (mm Hg) | Atmospheric Temperature (°C) |
|------------------|-----------------------|--|---|-----------------------------|------------------------------|
| 2443460-8 | May 24 - May 25, 2024 | 0.039 | 0.018 | 755 | 30 |
| 2443460-9 | May 25 - May 26, 2024 | 0.021 | 0.014 | 755 | 30 |
| 2443460-10 | May 26 - May 27, 2024 | 0.032 | 0.016 | 755 | 30 |
| 2443460-11 | May 27 - May 28, 2024 | 0.046 | 0.020 | 755 | 32 |
| 2443460-12 | May 28 - May 29, 2024 | 0.070 | 0.022 | 755 | 32 |
| 2443460-13 | May 29 - May 30, 2024 | 0.068 | 0.029 | 755 | 32 |
| 2443460-14 | May 30 - May 31, 2024 | 0.072 | 0.023 | 755 | 33 |
| 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 : Satcha Phetsawaeng

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2443460

Date Received : Jun 03, 2024
Date Reported : Jun 10, 2024
Report Number : 2969268-3C6

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Page 1 of 1

| | |
|-------------------------|---|
| Sample Description | Air Quality |
| Location | โรงเรียนสวนกุหลาบวิทยาลัย (GPS 47P 0739512, 1447941) |
| Date Analysis Commenced | Jun 03, 2024 |
| 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) |
|---------------|-----------------------|-------------------------------------|------------------------------------|-----------------------------|------------------------------|
| 2443460-15 | May 24 - May 25, 2024 | 0.038 | 0.015 | 755 | 30 |
| 2443460-16 | May 25 - May 26, 2024 | 0.021 | 0.013 | 755 | 30 |
| 2443460-17 | May 26 - May 27, 2024 | 0.029 | 0.013 | 755 | 30 |
| 2443460-18 | May 27 - May 28, 2024 | 0.031 | 0.017 | 755 | 32 |
| 2443460-19 | May 28 - May 29, 2024 | 0.030 | 0.013 | 755 | 32 |
| 2443460-20 | May 29 - May 30, 2024 | 0.034 | 0.017 | 755 | 32 |
| 2443460-21 | May 30 - May 31, 2024 | 0.032 | 0.013 | 755 | 33 |
| 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 : Satcha Phetsawaeng

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2443460

Date Received : Jun 03, 2024
Date Reported : Jun 10, 2024
Report Number : 2969268-4C6

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Page 1 of 1

| | |
|-------------------------|---|
| Sample Description | Air Quality |
| Location | โรงเรียนสวนกุหลาบวิทยาลัย (GPS 47P 0738170, 1442937) |
| Date Analysis Commenced | Jun 03, 2024 |
| 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) |
|---------------|-----------------------|-------------------------------------|------------------------------------|-----------------------------|------------------------------|
| 2443460-22 | May 24 - May 25, 2024 | 0.032 | 0.016 | 755 | 30 |
| 2443460-23 | May 25 - May 26, 2024 | 0.023 | 0.014 | 755 | 30 |
| 2443460-24 | May 26 - May 27, 2024 | 0.023 | 0.014 | 755 | 30 |
| 2443460-25 | May 27 - May 28, 2024 | 0.026 | 0.018 | 755 | 32 |
| 2443460-26 | May 28 - May 29, 2024 | 0.030 | 0.019 | 755 | 32 |
| 2443460-27 | May 29 - May 30, 2024 | 0.030 | 0.018 | 755 | 32 |
| 2443460-28 | May 30 - May 31, 2024 | 0.021 | 0.011 | 755 | 33 |
| 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 : Satcha Phetsawaeng

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443457

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 2969265-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Location | โรงเรียนบ้านทุ่งโพธิ์ (GPS 47P 0735497, 1445317) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2443457-1 May 24, 2024 | 2443457-2 May 25, 2024 | 2443457-3 May 26, 2024 | 2443457-4 May 27, 2024 | 2443457-5 May 28, 2024 | 2443457-6 May 29, 2024 | 2443457-7 May 30, 2024 |
| 09:00 AM - 10:00 AM | 0.007 | 0.005 | 0.008 | 0.005 | 0.010 | 0.005 | 0.011 |
| 10:00 AM - 11:00 AM | 0.006 | 0.004 | 0.008 | 0.006 | 0.012 | 0.007 | 0.013 |
| 11:00 AM - 12:00 PM | 0.004 | 0.004 | 0.013 | 0.007 | 0.010 | 0.005 | 0.006 |
| 12:00 PM - 01:00 PM | 0.004 | 0.004 | 0.014 | 0.006 | 0.014 | 0.005 | 0.014 |
| 01:00 PM - 02:00 PM | 0.003 | 0.011 | 0.014 | 0.007 | 0.010 | 0.012 | 0.020 |
| 02:00 PM - 03:00 PM | 0.004 | 0.013 | 0.016 | 0.014 | 0.013 | 0.014 | 0.028 |
| 03:00 PM - 04:00 PM | 0.006 | 0.008 | 0.014 | 0.016 | 0.010 | 0.010 | 0.007 |
| 04:00 PM - 05:00 PM | 0.012 | 0.006 | 0.013 | 0.008 | 0.006 | 0.007 | 0.007 |
| 05:00 PM - 06:00 PM | 0.011 | 0.010 | 0.012 | 0.010 | 0.012 | 0.010 | 0.006 |
| 06:00 PM - 07:00 PM | 0.004 | 0.009 | 0.011 | 0.012 | 0.012 | 0.014 | 0.009 |
| 07:00 PM - 08:00 PM | 0.006 | 0.009 | 0.011 | 0.013 | 0.011 | 0.012 | 0.009 |
| 08:00 PM - 09:00 PM | 0.016 | 0.011 | 0.009 | 0.011 | 0.011 | 0.011 | 0.009 |
| 09:00 PM - 10:00 PM | 0.006 | 0.012 | 0.008 | 0.013 | 0.012 | 0.011 | 0.020 |
| 10:00 PM - 11:00 PM | 0.004 | 0.009 | 0.009 | 0.012 | 0.013 | 0.015 | 0.015 |
| 11:00 PM - 12:00 AM | 0.011 | 0.010 | 0.006 | 0.010 | 0.022 | 0.012 | 0.011 |
| 12:00 AM - 01:00 AM | 0.007 | 0.021 | 0.010 | 0.013 | 0.019 | 0.014 | 0.014 |
| 01:00 AM - 02:00 AM | 0.005 | 0.019 | 0.012 | 0.012 | 0.018 | 0.016 | 0.007 |
| 02:00 AM - 03:00 AM | 0.007 | 0.022 | 0.019 | 0.015 | 0.018 | 0.004 | 0.004 |
| 03:00 AM - 04:00 AM | 0.009 | 0.018 | 0.016 | 0.016 | 0.018 | 0.020 | 0.008 |
| 04:00 AM - 05:00 AM | 0.014 | 0.013 | 0.012 | 0.013 | 0.013 | 0.011 | 0.012 |
| 05:00 AM - 06:00 AM | 0.016 | 0.010 | 0.010 | 0.009 | 0.008 | 0.010 | 0.012 |
| 06:00 AM - 07:00 AM | 0.011 | 0.006 | 0.006 | 0.009 | 0.006 | 0.011 | 0.013 |
| 07:00 AM - 08:00 AM | <0.001 | 0.006 | 0.005 | 0.014 | 0.005 | 0.012 | 0.008 |
| 08:00 AM - 09:00 AM | 0.005 | 0.007 | 0.006 | 0.006 | 0.005 | 0.008 | 0.007 |
| Average | 0.007 | 0.010 | 0.011 | 0.011 | 0.012 | 0.011 | 0.011 |
| 1hr - Maximum | 0.016 | 0.022 | 0.019 | 0.016 | 0.022 | 0.020 | 0.028 |
| 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)

Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443457

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 3018295-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|---|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Location | โรงเรียนบ้านทุ่งโพธิ์ (GPS 47P 0738199, 1443916) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| Time | 2443457-8 May 24, 2024 | 2443457-9 May 25, 2024 | 2443457-10 May 26, 2024 | 2443457-11 May 27, 2024 | 2443457-12 May 28, 2024 | 2443457-13 May 29, 2024 | 2443457-14 May 30, 2024 |
| 10:00 AM - 11:00 AM | 0.004 | 0.002 | 0.006 | 0.006 | 0.004 | 0.004 | 0.004 |
| 11:00 AM - 12:00 PM | 0.002 | 0.002 | 0.007 | 0.007 | 0.007 | 0.005 | 0.004 |
| 12:00 PM - 01:00 PM | 0.002 | 0.002 | 0.007 | 0.005 | 0.007 | 0.004 | 0.004 |
| 01:00 PM - 02:00 PM | <0.001 | 0.001 | 0.007 | 0.004 | 0.004 | 0.005 | 0.004 |
| 02:00 PM - 03:00 PM | <0.001 | 0.003 | 0.006 | 0.002 | 0.002 | 0.006 | 0.001 |
| 03:00 PM - 04:00 PM | 0.002 | 0.003 | 0.003 | 0.005 | 0.002 | 0.008 | 0.002 |
| 04:00 PM - 05:00 PM | 0.002 | 0.004 | 0.002 | 0.003 | 0.003 | 0.010 | 0.008 |
| 05:00 PM - 06:00 PM | 0.002 | 0.011 | 0.006 | 0.008 | 0.004 | 0.005 | 0.017 |
| 06:00 PM - 07:00 PM | 0.007 | 0.011 | 0.012 | 0.006 | 0.003 | 0.005 | 0.020 |
| 07:00 PM - 08:00 PM | 0.009 | 0.015 | 0.006 | 0.005 | 0.004 | 0.005 | 0.001 |
| 08:00 PM - 09:00 PM | 0.006 | 0.010 | 0.005 | 0.007 | 0.006 | 0.005 | 0.001 |
| 09:00 PM - 10:00 PM | 0.005 | 0.004 | 0.006 | 0.007 | 0.006 | 0.011 | 0.002 |
| 10:00 PM - 11:00 PM | 0.005 | 0.003 | 0.005 | 0.007 | 0.004 | 0.012 | 0.003 |
| 11:00 PM - 12:00 AM | 0.007 | 0.004 | 0.006 | 0.004 | 0.005 | 0.007 | 0.004 |
| 12:00 AM - 01:00 AM | 0.007 | 0.004 | 0.006 | 0.004 | 0.004 | 0.007 | 0.003 |
| 01:00 AM - 02:00 AM | 0.008 | 0.008 | 0.006 | 0.004 | 0.003 | 0.009 | 0.002 |
| 02:00 AM - 03:00 AM | 0.005 | 0.006 | 0.006 | 0.006 | 0.005 | 0.017 | 0.004 |
| 03:00 AM - 04:00 AM | 0.006 | 0.004 | 0.005 | 0.011 | 0.005 | 0.017 | 0.004 |
| 04:00 AM - 05:00 AM | 0.006 | 0.004 | 0.005 | 0.017 | 0.014 | 0.006 | 0.002 |
| 05:00 AM - 06:00 AM | 0.013 | 0.004 | 0.005 | 0.014 | 0.004 | 0.006 | 0.002 |
| 06:00 AM - 07:00 AM | 0.036 | 0.006 | 0.006 | 0.003 | 0.005 | 0.006 | 0.001 |
| 07:00 AM - 08:00 AM | 0.031 | 0.006 | 0.006 | 0.004 | 0.009 | 0.007 | 0.002 |
| 08:00 AM - 09:00 AM | 0.015 | 0.006 | 0.017 | 0.017 | 0.022 | 0.009 | 0.002 |
| 09:00 AM - 10:00 AM | 0.005 | 0.002 | 0.007 | 0.010 | 0.005 | 0.006 | 0.002 |
| Average | 0.008 | 0.005 | 0.006 | 0.007 | 0.006 | 0.008 | 0.004 |
| 1hr - Maximum | 0.036 | 0.015 | 0.017 | 0.017 | 0.022 | 0.017 | 0.020 |
| 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)

Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443457

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 3018296-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|
| Location | โรงเรียนบ้านระเวียง(รางพุดใหม่) (GPS 47P 0739512, 1442941) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2443457-15 | 2443457-16 | 2443457-17 | 2443457-18 | 2443457-19 | 2443457-20 | 2443457-21 |
| Time | May 24, 2024 | May 25, 2024 | May 26, 2024 | May 27, 2024 | May 28, 2024 | May 29, 2024 | May 30, 2024 |
| 11:00 AM - 12:00 PM | 0.010 | 0.011 | 0.009 | 0.011 | 0.013 | 0.012 | 0.009 |
| 12:00 PM - 01:00 PM | 0.012 | 0.010 | 0.010 | 0.014 | 0.017 | 0.010 | 0.010 |
| 01:00 PM - 02:00 PM | 0.009 | 0.009 | 0.003 | 0.002 | 0.003 | 0.003 | 0.011 |
| 02:00 PM - 03:00 PM | 0.003 | 0.004 | 0.003 | 0.002 | 0.003 | 0.004 | 0.004 |
| 03:00 PM - 04:00 PM | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 |
| 04:00 PM - 05:00 PM | 0.009 | 0.002 | 0.002 | 0.010 | 0.003 | 0.015 | 0.003 |
| 05:00 PM - 06:00 PM | 0.008 | 0.012 | 0.009 | 0.011 | 0.015 | 0.018 | 0.012 |
| 06:00 PM - 07:00 PM | 0.006 | 0.010 | 0.010 | 0.014 | 0.014 | 0.015 | 0.014 |
| 07:00 PM - 08:00 PM | 0.004 | 0.010 | 0.009 | 0.004 | 0.010 | 0.004 | 0.011 |
| 08:00 PM - 09:00 PM | 0.003 | 0.004 | 0.008 | 0.004 | 0.004 | 0.004 | 0.003 |
| 09:00 PM - 10:00 PM | 0.002 | 0.004 | 0.004 | 0.006 | 0.003 | 0.004 | 0.003 |
| 10:00 PM - 11:00 PM | 0.002 | 0.003 | 0.004 | 0.009 | 0.003 | 0.004 | 0.003 |
| 11:00 PM - 12:00 AM | 0.003 | 0.003 | 0.004 | 0.010 | 0.002 | 0.004 | 0.003 |
| 12:00 AM - 01:00 AM | 0.002 | 0.004 | 0.004 | 0.007 | 0.002 | 0.005 | 0.003 |
| 01:00 AM - 02:00 AM | 0.004 | 0.003 | 0.004 | 0.005 | 0.003 | 0.004 | 0.003 |
| 02:00 AM - 03:00 AM | 0.003 | 0.003 | 0.004 | 0.005 | 0.004 | 0.003 | 0.004 |
| 03:00 AM - 04:00 AM | 0.002 | 0.003 | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 |
| 04:00 AM - 05:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.004 | 0.003 | 0.004 |
| 05:00 AM - 06:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.009 | 0.003 | 0.005 |
| 06:00 AM - 07:00 AM | 0.009 | 0.009 | 0.009 | 0.012 | 0.009 | 0.014 | 0.015 |
| 07:00 AM - 08:00 AM | 0.010 | 0.011 | 0.010 | 0.014 | 0.014 | 0.013 | 0.015 |
| 08:00 AM - 09:00 AM | 0.008 | 0.010 | 0.008 | 0.009 | 0.010 | 0.018 | 0.012 |
| 09:00 AM - 10:00 AM | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.003 |
| 10:00 AM - 11:00 AM | 0.004 | 0.004 | 0.003 | 0.002 | 0.003 | 0.003 | 0.010 |
| Average | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.007 |
| 1hr - Maximum | 0.012 | 0.012 | 0.010 | 0.014 | 0.017 | 0.018 | 0.015 |
| 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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Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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

Life Sciences

www.alsglobal.com

13430-617 EMAIL



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443457

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 3018309-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|------------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|
| Location | โรงเรียนบ้านระเวียง (GPS 47P 0738170, 1442937) | | | | | | |
| Parameter | Nitrogen dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2443457-22 | 2443457-23 | 2443457-24 | 2443457-25 | 2443457-26 | 2443457-27 | 2443457-28 |
| Time | May 24, 2024 | May 25, 2024 | May 26, 2024 | May 27, 2024 | May 28, 2024 | May 29, 2024 | May 30, 2024 |
| 12:00 PM - 01:00 PM | 0.007 | 0.013 | 0.004 | 0.008 | 0.003 | 0.008 | 0.003 |
| 01:00 PM - 02:00 PM | 0.005 | 0.006 | 0.004 | 0.004 | 0.004 | 0.007 | 0.004 |
| 02:00 PM - 03:00 PM | 0.007 | 0.009 | 0.004 | 0.004 | 0.004 | 0.006 | 0.004 |
| 03:00 PM - 04:00 PM | 0.008 | 0.004 | 0.008 | 0.007 | 0.013 | 0.006 | 0.006 |
| 04:00 PM - 05:00 PM | 0.003 | 0.002 | 0.006 | 0.006 | 0.003 | 0.003 | 0.015 |
| 05:00 PM - 06:00 PM | 0.003 | 0.002 | 0.002 | 0.002 | 0.003 | 0.002 | 0.007 |
| 06:00 PM - 07:00 PM | 0.004 | 0.004 | 0.003 | 0.009 | 0.002 | 0.005 | 0.007 |
| 07:00 PM - 08:00 PM | 0.004 | 0.004 | 0.003 | 0.003 | 0.001 | 0.005 | 0.006 |
| 08:00 PM - 09:00 PM | 0.005 | 0.004 | 0.003 | 0.003 | 0.001 | 0.004 | 0.008 |
| 09:00 PM - 10:00 PM | 0.009 | 0.005 | 0.003 | 0.003 | 0.002 | 0.004 | 0.014 |
| 10:00 PM - 11:00 PM | 0.006 | 0.004 | 0.003 | 0.003 | 0.005 | 0.004 | 0.010 |
| 11:00 PM - 12:00 AM | 0.007 | 0.004 | 0.003 | 0.004 | 0.005 | 0.006 | 0.008 |
| 12:00 AM - 01:00 AM | 0.005 | 0.005 | 0.004 | 0.004 | 0.002 | 0.004 | 0.007 |
| 01:00 AM - 02:00 AM | 0.006 | 0.005 | 0.004 | 0.004 | 0.002 | 0.007 | 0.007 |
| 02:00 AM - 03:00 AM | 0.006 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.007 |
| 03:00 AM - 04:00 AM | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.007 |
| 04:00 AM - 05:00 AM | 0.004 | 0.005 | 0.003 | 0.002 | 0.004 | 0.004 | 0.012 |
| 05:00 AM - 06:00 AM | 0.010 | 0.009 | 0.007 | 0.005 | 0.005 | 0.007 | 0.017 |
| 06:00 AM - 07:00 AM | 0.012 | 0.010 | 0.008 | 0.006 | 0.009 | 0.008 | 0.015 |
| 07:00 AM - 08:00 AM | 0.010 | 0.028 | 0.008 | 0.005 | 0.005 | 0.006 | 0.008 |
| 08:00 AM - 09:00 AM | 0.008 | 0.008 | 0.006 | 0.004 | 0.002 | 0.003 | 0.006 |
| 09:00 AM - 10:00 AM | 0.004 | 0.006 | 0.004 | 0.004 | 0.002 | 0.005 | 0.008 |
| 10:00 AM - 11:00 AM | 0.004 | 0.004 | 0.002 | 0.003 | 0.003 | 0.004 | 0.007 |
| 11:00 AM - 12:00 PM | 0.009 | 0.005 | 0.006 | 0.004 | 0.005 | 0.003 | 0.006 |
| Average | 0.006 | 0.006 | 0.004 | 0.004 | 0.004 | 0.005 | 0.008 |
| 1hr - Maximum | 0.012 | 0.028 | 0.008 | 0.009 | 0.013 | 0.008 | 0.017 |
| 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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Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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

Life Sciences

www.alsglobal.com

13430-617 EMAIL



Analysis / Test Report

Client: Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443458

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 2969266-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|---------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Location | โรงเรียนบ้านห้วยน้ำค้อ (GPS 47P 0735497, 1445317) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2443458-1 | 2443458-2 | 2443458-3 | 2443458-4 | 2443458-5 | 2443458-6 | 2443458-7 |
| Time | May 24, 2024 | May 25, 2024 | May 26, 2024 | May 27, 2024 | May 28, 2024 | May 29, 2024 | May 30, 2024 |
| 09:00 AM - 10:00 AM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 10:00 AM - 11:00 AM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00 AM - 12:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 12:00 PM - 01:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 01:00 PM - 02:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 PM - 03:00 PM | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 PM - 04:00 PM | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 PM - 05:00 PM | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 PM - 06:00 PM | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 PM - 07:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 PM - 08:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 PM - 09:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 09:00 PM - 10:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 10:00 PM - 11:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00 PM - 12:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 12:00 AM - 01:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 01:00 AM - 02:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 AM - 03:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 AM - 04:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 AM - 05:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 AM - 06:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 AM - 07:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 AM - 08:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 AM - 09:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Average | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 1hr - Maximum | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 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

Approved by

Saranya C.

Saranya Chalemtamrong
Scientist (4)

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Life Sciences

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13430-61/EMAIL



Analysis / Test Report

Client: Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443458

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 3018297-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|---------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Location | โรงเรียนบ้านห้วยน้ำค้อ (GPS 47P 0738199, 1443916) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2443458-8 | 2443458-9 | 2443458-10 | 2443458-11 | 2443458-12 | 2443458-13 | 2443458-14 |
| Time | May 24, 2024 | May 25, 2024 | May 26, 2024 | May 27, 2024 | May 28, 2024 | May 29, 2024 | May 30, 2024 |
| 10:00 AM - 11:00 AM | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 |
| 11:00 AM - 12:00 PM | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.005 |
| 12:00 PM - 01:00 PM | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 |
| 01:00 PM - 02:00 PM | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 |
| 02:00 PM - 03:00 PM | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 |
| 03:00 PM - 04:00 PM | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 |
| 04:00 PM - 05:00 PM | 0.001 | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 | 0.003 |
| 05:00 PM - 06:00 PM | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 06:00 PM - 07:00 PM | 0.001 | 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 | 0.004 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 12:00 AM - 01:00 AM | 0.002 | 0.005 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 01:00 AM - 02:00 AM | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 02:00 AM - 03:00 AM | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 03:00 AM - 04:00 AM | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 04:00 AM - 05:00 AM | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 05:00 AM - 06:00 AM | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 06:00 AM - 07:00 AM | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 07:00 AM - 08:00 AM | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 08:00 AM - 09:00 AM | 0.003 | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 |
| 09:00 AM - 10:00 AM | 0.003 | 0.002 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 |
| Average | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 |
| 1hr - Maximum | 0.003 | 0.005 | 0.003 | 0.002 | 0.002 | 0.003 | 0.005 |
| Standard 1hr - Average | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Standard 24 hrs - Average | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

Approved by

Saranya C.

Saranya Chalemtamrong
Scientist (4)

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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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13430-61/EMAIL



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443458

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 3018298-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|---------------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Location | โรงเรียนท่าเรือ(ราษฎร์อุทิศ) (GPS 47P 0739512, 1447941) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2443458-15 May 24, 2024 | 2443458-16 May 25, 2024 | 2443458-17 May 26, 2024 | 2443458-18 May 27, 2024 | 2443458-19 May 28, 2024 | 2443458-20 May 30, 2024 | 2443458-21 May 30, 2024 |
| Time | May 24, 2024 | May 25, 2024 | May 26, 2024 | May 27, 2024 | May 28, 2024 | May 30, 2024 | May 30, 2024 |
| 11:00 AM - 12:00 PM | 0.004 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 12:00 PM - 01:00 PM | 0.004 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 01:00 PM - 02:00 PM | 0.004 | 0.003 | 0.003 | 0.004 | 0.003 | 0.004 | 0.004 |
| 02:00 PM - 03:00 PM | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 |
| 03:00 PM - 04:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 PM - 05:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 PM - 06:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 PM - 07:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 PM - 08:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 PM - 09:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.004 | 0.003 | 0.004 |
| 09:00 PM - 10:00 PM | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 |
| 10:00 PM - 11:00 PM | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 11:00 PM - 12:00 AM | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 |
| 12:00 AM - 01:00 AM | 0.004 | 0.003 | 0.004 | 0.004 | 0.003 | 0.004 | 0.003 |
| 01:00 AM - 02:00 AM | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 | 0.004 | 0.003 |
| 02:00 AM - 03:00 AM | 0.004 | 0.003 | 0.004 | 0.003 | 0.003 | 0.004 | 0.003 |
| 03:00 AM - 04:00 AM | 0.004 | 0.003 | 0.004 | 0.003 | 0.003 | 0.004 | 0.003 |
| 04:00 AM - 05:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 AM - 06:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 AM - 07:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 AM - 08:00 AM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 |
| 08:00 AM - 09:00 AM | 0.004 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.004 |
| 09:00 AM - 10:00 AM | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 10:00 AM - 11:00 AM | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Average | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 1hr - Maximum | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| 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

Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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Life Sciences

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13430-017 EMAIL



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443458

Date Received : Jun 03, 2024

Date Reported : Jun 11, 2024

Report Number: 3018299-1C6

Page 1 of 1

| Sample Description | Air Quality | | | | | | |
|---------------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Location | โรงเรียนท่าเรือ(ราษฎร์อุทิศ) (GPS 47P 0738170, 1442937) | | | | | | |
| Parameter | Sulfur Dioxide (ppm) | | | | | | |
| Measurement Date | May 24, 2024 - May 31, 2024 | | | | | | |
| Measurement by | Satcha Phetsawaeng | | | | | | |
| | 2443458-22 May 24, 2024 | 2443458-23 May 25, 2024 | 2443458-24 May 26, 2024 | 2443458-25 May 27, 2024 | 2443458-26 May 28, 2024 | 2443458-27 May 29, 2024 | 2443458-28 May 30, 2024 |
| Time | May 24, 2024 | May 25, 2024 | May 26, 2024 | May 27, 2024 | May 28, 2024 | May 29, 2024 | May 30, 2024 |
| 12:00 PM - 01:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 01:00 PM - 02:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 PM - 03:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 PM - 04:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | <0.001 |
| 04:00 PM - 05:00 PM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 PM - 06:00 PM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 PM - 07:00 PM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 PM - 08:00 PM | 0.003 | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 PM - 09:00 PM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 09:00 PM - 10:00 PM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 10:00 PM - 11:00 PM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00 PM - 12:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 12:00 AM - 01:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 01:00 AM - 02:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00 AM - 03:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 03:00 AM - 04:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00 AM - 05:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 05:00 AM - 06:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 06:00 AM - 07:00 AM | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00 AM - 08:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 08:00 AM - 09:00 AM | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.001 |
| 09:00 AM - 10:00 AM | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 10:00 AM - 11:00 AM | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00 AM - 12:00 PM | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Average | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 1hr - Maximum | 0.004 | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 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

Approved by

Saranya C.

Saranya Chalermtamrong
Scientist (4)

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443459

Date Received : Jun 03, 2024

Date Reported : Jun 06, 2024

Report Number : 2969267-1 C6

Page 1 of 2

Sample Number : 2443459-1 to 7
Parameter : Wind Speed / Wind Direction
Location : โรงเรือนนำพันธุ์ผัก (GPS 47P 0735497, 1445317)
Sampling Date : May 24 - May 31, 2024
Sampling by : Satcha Phetsawaeng

| Time | May 24 - May 25, 2024 | | May 25 - May 26, 2024 | | May 26 - May 27, 2024 | | May 27 - May 28, 2024 | | May 28 - May 29, 2024 | | May 29 - May 30, 2024 | | May 30 - May 31, 2024 | | | | | | | | |
|---------------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----|-----|-------|-----|-----|-------|-----|
| | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | | | | | | | |
| 09:00 AM - 10:00 AM | 0.2 | - | - | 0.1 | - | - | 0.4 | 187.0 | S | 0.7 | 148.0 | SSE | 0.8 | 172.0 | S | 0.7 | 82.0 | E | 0.7 | 85.0 | E |
| 10:00 AM - 11:00 AM | 1.0 | 197.0 | SSW | 1.6 | 205.0 | SSW | 0.2 | - | - | 1.2 | 57.0 | ENE | 1.4 | 173.0 | S | 1.4 | 162.0 | SSE | 0.6 | 167.0 | SSE |
| 11:00 AM - 12:00 PM | 0.6 | 213.0 | SSW | 1.0 | 182.0 | S | 0.1 | - | - | 0.6 | 54.0 | NE | 1.5 | 73.0 | ENE | 1.6 | 145.0 | SE | 0.9 | 74.0 | ENE |
| 12:00 PM - 01:00 PM | 0.1 | - | - | 2.0 | 184.0 | S | 0.4 | 186.0 | S | 0.6 | 72.0 | ENE | 1.1 | 60.0 | ENE | 1.4 | 92.0 | E | 0.7 | 59.0 | ENE |
| 01:00 PM - 02:00 PM | 1.0 | 167.0 | SSE | 0.3 | 189.0 | S | 0.4 | 153.0 | SSE | 0.4 | 71.0 | ENE | 0.8 | 103.0 | ESE | 0.5 | 73.0 | ENE | 1.1 | 59.0 | ENE |
| 02:00 PM - 03:00 PM | 0.3 | 171.0 | S | 2.0 | 185.0 | S | 0.2 | - | - | 0.6 | 69.0 | ENE | 0.3 | 189.0 | S | 0.8 | 62.0 | ENE | 0.2 | - | - |
| 03:00 PM - 04:00 PM | 1.0 | 170.0 | S | 0.5 | 73.0 | ENE | 2.0 | 174.0 | S | 1.0 | 69.0 | ENE | 0.1 | - | - | 1.8 | 141.0 | SE | 1.0 | 196.0 | SSW |
| 04:00 PM - 05:00 PM | 1.0 | 172.0 | S | 1.0 | 72.0 | ENE | 2.0 | 183.0 | S | 0.4 | 172.0 | S | 0.6 | 182.0 | S | 0.3 | 60.0 | ENE | 1.7 | 145.0 | SE |
| 05:00 PM - 06:00 PM | 1.0 | 173.0 | S | 2.0 | 179.0 | S | 2.0 | 183.0 | S | 1.0 | 181.0 | S | 1.0 | 172.0 | S | 0.2 | - | - | 0.2 | - | - |
| 06:00 PM - 07:00 PM | 2.0 | 174.0 | S | 0.1 | - | - | 0.7 | 216.0 | SW | 2.0 | 189.0 | S | 2.0 | 183.0 | S | 0.0 | - | - | 1.0 | 179.0 | S |
| 07:00 PM - 08:00 PM | 1.0 | 173.0 | S | 2.0 | 195.0 | SSW | 2.0 | 145.0 | SE | 1.0 | 189.0 | S | 3.0 | 173.0 | S | 0.2 | - | - | 2.0 | 185.0 | S |
| 08:00 PM - 09:00 PM | 2.0 | 194.0 | SSW | 3.0 | 197.0 | SSW | 1.3 | 150.0 | SSE | 2.0 | 190.0 | S | 2.0 | 179.0 | S | 1.0 | 189.0 | S | 0.0 | - | - |
| 09:00 PM - 10:00 PM | 2.0 | 194.0 | SSW | 3.0 | 198.0 | SSW | 1.2 | 165.0 | SSE | 3.0 | 189.0 | S | 1.0 | 145.0 | SE | 1.0 | 189.0 | S | 0.8 | 224.0 | SW |
| 10:00 PM - 11:00 PM | 1.0 | 195.0 | SSW | 2.0 | 200.0 | SSW | 2.1 | 127.0 | SE | 3.0 | 213.0 | SSW | 2.0 | 145.0 | SE | 2.0 | 188.0 | S | 1.0 | 232.0 | SW |
| 11:00 PM - 12:00 AM | 2.0 | 194.0 | SSW | 2.0 | 200.0 | SSW | 2.0 | 180.0 | S | 3.0 | 213.0 | SSW | 1.0 | 146.0 | SE | 2.0 | 190.0 | S | 1.0 | 231.0 | SW |
| 12:00 AM - 01:00 AM | 2.0 | 194.0 | SSW | 1.0 | 201.0 | SSW | 2.0 | 181.0 | S | 1.0 | 215.0 | SW | 1.0 | 148.0 | SSE | 2.0 | 190.0 | S | 1.0 | 230.0 | SW |
| 01:00 AM - 02:00 AM | 2.0 | 194.0 | SSW | 1.0 | 202.0 | SSW | 1.0 | 180.0 | S | 1.0 | 215.0 | SW | 1.0 | 179.0 | S | 2.0 | 188.0 | S | 1.0 | 200.0 | SSW |
| 02:00 AM - 03:00 AM | 1.0 | 194.0 | SSW | 2.0 | 198.0 | SSW | 2.0 | 182.0 | S | 2.0 | 213.0 | SSW | 1.0 | 179.0 | S | 3.0 | 188.0 | S | 2.0 | 201.0 | SSW |
| 03:00 AM - 04:00 AM | 1.0 | 194.0 | SSW | 2.0 | 202.0 | SSW | 3.0 | 185.0 | S | 2.0 | 213.0 | SSW | 2.0 | 179.0 | S | 3.0 | 188.0 | S | 2.0 | 188.0 | S |
| 04:00 AM - 05:00 AM | 1.0 | 193.0 | SSW | 1.0 | 199.0 | SSW | 3.0 | 183.0 | S | 1.0 | 213.0 | SSW | 2.0 | 179.0 | S | 3.0 | 188.0 | S | 2.0 | 227.0 | SW |
| 05:00 AM - 06:00 AM | 2.0 | 176.0 | S | 1.0 | 171.0 | S | 2.0 | 200.0 | SSW | 1.0 | 213.0 | SSW | 2.0 | 179.0 | S | 3.0 | 188.0 | S | 2.0 | 228.0 | SW |
| 06:00 AM - 07:00 AM | 3.0 | 186.0 | S | 1.0 | 165.0 | SSE | 1.0 | 204.0 | SSW | 2.0 | 179.0 | S | 0.4 | 90.0 | E | 3.0 | 82.0 | E | 2.0 | 204.0 | SSW |
| 07:00 AM - 08:00 AM | 1.0 | 182.0 | S | 2.0 | 162.0 | SSE | 1.0 | 163.0 | SSE | 0.6 | 87.0 | E | 0.9 | 71.0 | ENE | 0.6 | 57.0 | ENE | 1.0 | 128.0 | SE |
| 08:00 AM - 09:00 AM | 0.1 | - | - | 0.2 | - | - | 0.5 | 171.0 | S | 0.9 | 89.0 | E | 0.3 | 68.0 | ENE | 2.6 | 79.0 | E | 1.2 | 129.0 | SE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont
Assistant General Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

Project Location : GTS4

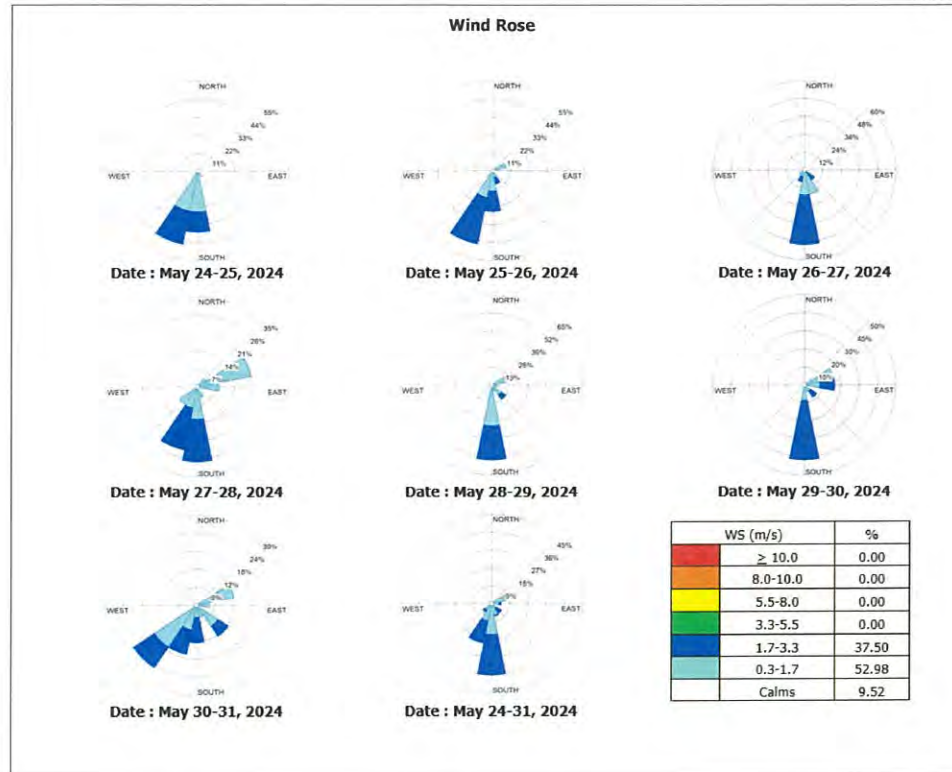
Lot ID: 2443459

Date Received : Jun 03, 2024

Date Reported : Jun 06, 2024

Report Number : 2969267-1 C6

Page 2 of 2



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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443459

Date Received :Jun 03, 2024

Date Reported :Jun 06, 2024

Report Number :2969267-1 C6

Sample Number 2443459-8 to 14

Parameter Wind Speed / Wind Direction

Location โรงโสมขนวนบริษัทท่าอากาศยานหลวง (GPS 47P 0738199, 1443916)

Sampling Date May 24 - May 31, 2024

Sampling by Satcha Phetsawaeng

| Time | May 24 - May 25, 2024 | | | May 25 - May 26, 2024 | | | May 26 - May 27, 2024 | | | May 27 - May 28, 2024 | | | May 28 - May 29, 2024 | | | May 29 - May 30, 2024 | | | May 30 - May 31, 2024 | | |
|---------------------|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|
| | 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 | 3.4 | 228.0 | SW | 2.3 | 138.0 | SE | 4.5 | 145.0 | SE | 4.4 | 134.0 | SE | 3.2 | 120.0 | ESE | 4.6 | 119.0 | ESE | 3.2 | 119.0 | ESE |
| 11:00 AM - 12:00 PM | 3.3 | 210.0 | SSW | 4.9 | 132.0 | SE | 2.3 | 141.0 | SE | 3.2 | 130.0 | SE | 4.6 | 118.0 | ESE | 2.3 | 117.0 | ESE | 3.1 | 114.0 | ESE |
| 12:00 PM - 01:00 PM | 3.2 | 196.0 | SSW | 1.5 | 123.0 | ESE | 2.4 | 141.0 | SE | 3.3 | 122.0 | ESE | 3.9 | 112.0 | ESE | 2.4 | 114.0 | ESE | 4.2 | 113.0 | ESE |
| 01:00 PM - 02:00 PM | 3.4 | 166.0 | SSE | 3.2 | 154.0 | SSE | 4.6 | 144.0 | SE | 3.7 | 112.0 | ESE | 4.2 | 108.0 | ESE | 4.8 | 112.0 | ESE | 3.5 | 109.0 | ESE |
| 02:00 PM - 03:00 PM | 3.6 | 181.0 | S | 1.9 | 157.0 | SSE | 4.7 | 140.0 | SE | 3.2 | 106.0 | ESE | 3.5 | 111.0 | ESE | 3.9 | 108.0 | ESE | 3.4 | 106.0 | ESE |
| 03:00 PM - 04:00 PM | 3.2 | 171.0 | S | 2.3 | 142.0 | SE | 4.2 | 140.0 | SE | 3.0 | 116.0 | ESE | 3.2 | 111.0 | ESE | 3.0 | 108.0 | ESE | 2.4 | 109.0 | ESE |
| 04:00 PM - 05:00 PM | 3.5 | 165.0 | SSE | 2.6 | 160.0 | SSE | 4.1 | 144.0 | SE | 2.9 | 113.0 | ESE | 3.3 | 113.0 | ESE | 2.6 | 111.0 | ESE | 3.9 | 109.0 | ESE |
| 05:00 PM - 06:00 PM | 2.9 | 174.0 | S | 3.5 | 160.0 | SSE | 2.9 | 148.0 | SSE | 2.2 | 123.0 | ESE | 3.0 | 114.0 | ESE | 3.6 | 112.0 | ESE | 3.2 | 114.0 | ESE |
| 06:00 PM - 07:00 PM | 2.4 | 175.0 | S | 1.8 | 174.0 | S | 2.5 | 160.0 | SSE | 2.7 | 124.0 | SE | 2.5 | 118.0 | ESE | 1.8 | 120.0 | ESE | 3.5 | 120.0 | ESE |
| 07:00 PM - 08:00 PM | 1.6 | 174.0 | S | 1.8 | 179.0 | S | 0.0 | - | - | 2.8 | 129.0 | SE | 3.1 | 122.0 | ESE | 2.1 | 124.0 | SE | 3.5 | 126.0 | SE |
| 08:00 PM - 09:00 PM | 1.5 | 179.0 | S | 2.6 | 182.0 | S | 4.1 | 162.0 | SSE | 2.9 | 135.0 | SE | 2.7 | 126.0 | SE | 2.4 | 127.0 | SE | 2.3 | 133.0 | SE |
| 09:00 PM - 10:00 PM | 0.0 | - | - | 4.0 | 175.0 | S | 2.9 | 156.0 | SSE | 2.3 | 143.0 | SE | 1.9 | 132.0 | SE | 2.5 | 131.0 | SE | 4.3 | 141.0 | SE |
| 10:00 PM - 11:00 PM | 0.0 | - | - | 3.0 | 182.0 | S | 0.6 | 171.0 | S | 1.8 | 147.0 | SSE | 1.8 | 137.0 | SE | 3.1 | 138.0 | SE | 3.4 | 140.0 | SE |
| 11:00 PM - 12:00 AM | 0.0 | - | - | 1.3 | 197.0 | SSW | 0.6 | 170.0 | S | 1.5 | 156.0 | SSE | 2.2 | 144.0 | SE | 2.8 | 143.0 | SE | 1.2 | 152.0 | SSE |
| 12:00 AM - 01:00 AM | 0.0 | - | - | 0.0 | - | 0.0 | - | 0.0 | - | 0.9 | 160.0 | SSE | 2.6 | 142.0 | SE | 2.5 | 149.0 | SSE | 1.7 | 157.0 | SSE |
| 01:00 AM - 02:00 AM | 0.0 | - | - | 0.0 | - | 0.0 | - | 0.0 | - | 0.7 | 162.0 | SSE | 2.3 | 147.0 | SSE | 2.6 | 155.0 | SSE | 2.4 | 160.0 | SSE |
| 02:00 AM - 03:00 AM | 0.0 | - | - | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 | - | - | 1.7 | 149.0 | SSE | 1.7 | 158.0 | SSE | 2.5 | 159.0 | SSE |
| 03:00 AM - 04:00 AM | 0.0 | - | - | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 | - | - | 1.8 | 145.0 | SE | 1.5 | 163.0 | SSE | 2.2 | 166.0 | SSE |
| 04:00 AM - 05:00 AM | 0.0 | - | - | 0.0 | - | 0.0 | - | 0.0 | - | 1.6 | 168.0 | SSE | 1.2 | 142.0 | SE | 1.4 | 166.0 | SSE | 1.3 | 174.0 | S |
| 05:00 AM - 06:00 AM | 0.0 | - | - | 0.0 | - | 0.0 | - | 0.0 | - | 1.7 | 174.0 | S | 1.2 | 152.0 | SSE | 1.6 | 170.0 | S | 0.0 | - | - |
| 06:00 AM - 07:00 AM | 2.2 | 171.0 | S | 1.9 | 197.0 | SSW | 0.0 | - | - | 1.6 | 176.0 | S | 1.3 | 158.0 | SSE | 1.7 | 162.0 | SSE | 1.4 | 169.0 | S |
| 07:00 AM - 08:00 AM | 3.9 | 151.0 | SSE | 4.2 | 174.0 | S | 3.2 | 184.0 | S | 2.8 | 169.0 | S | 1.8 | 150.0 | SSE | 2.2 | 172.0 | S | 2.5 | 172.0 | S |
| 08:00 AM - 09:00 AM | 3.9 | 142.0 | SE | 4.6 | 159.0 | SSE | 3.4 | 170.0 | S | 2.3 | 148.0 | SSE | 4.1 | 142.0 | SE | 3.4 | 142.0 | SE | 1.2 | 145.0 | SE |
| 09:00 AM - 10:00 AM | 4.5 | 136.0 | SE | 3.7 | 146.0 | SE | 3.6 | 154.0 | SSE | 3.8 | 130.0 | SE | 3.9 | 127.0 | SE | 4.0 | 129.0 | SE | 1.3 | 146.0 | SE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

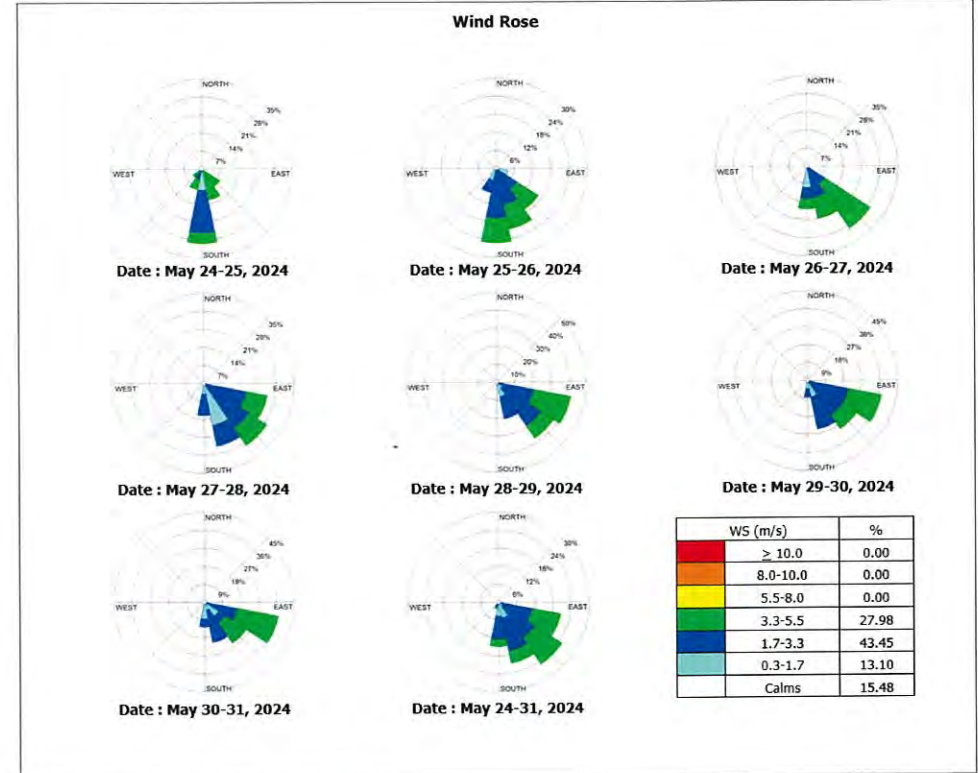
Project Location : GTS4

Lot ID: 2443459

Date Received :Jun 03, 2024

Date Reported :Jun 06, 2024

Report Number :2969267-1 C6



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Sarayuth Jittranont
Assistant General Manager

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Sarayuth Jittranont
Assistant General Manager



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443459

Date Received :Jun 03, 2024

Date Reported :Jun 06, 2024

Report Number :2969267-1 C6

Sample Number 2443459-15 to 21
Parameter Wind Speed / Wind Direction
Location โรงเรือนกำจัดขยะ (โรงกำจัดมูลฝอย) (GPS 47P 0739512, 1447941)
Sampling Date May 24 - May 31, 2024
Sampling by Satcha Phetsawaeng

| Time | May 24 - May 25, 2024 | | | May 25 - May 26, 2024 | | | May 26 - May 27, 2024 | | | May 27 - May 28, 2024 | | | May 28 - May 29, 2024 | | | May 29 - May 30, 2024 | | | May 30 - May 31, 2024 | | |
|---------------------|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|-----------------------|-------------|-----|
| | 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 | 1.2 | 150.0 | SSE | 1.3 | 177.0 | S | 1.2 | 183.0 | S | 4.1 | 4.0 | N | 5.0 | 2.0 | N | 1.3 | 341.0 | NNW | 0.5 | 125.0 | SE |
| 12:00 PM - 01:00 PM | 1.3 | 254.0 | WSW | 0.3 | 232.0 | SW | 1.2 | 248.0 | WSW | 5.4 | 206.0 | SSW | 3.8 | 78.0 | ENE | 1.2 | 359.0 | N | 1.1 | 123.0 | ESE |
| 01:00 PM - 02:00 PM | 2.3 | 216.0 | SW | 1.4 | 322.0 | NW | 1.4 | 228.0 | SW | 4.4 | 249.0 | WSW | 3.9 | 351.0 | N | 1.2 | 256.0 | WSW | 1.2 | 145.0 | SE |
| 02:00 PM - 03:00 PM | 2.1 | 146.0 | SE | 1.6 | 44.0 | NE | 0.2 | - | - | 3.5 | 151.0 | SSE | 3.1 | 254.0 | WSW | 4.0 | 249.0 | WSW | 0.8 | 145.0 | SE |
| 03:00 PM - 04:00 PM | 0.8 | 225.0 | SW | 1.2 | 125.0 | SE | 2.3 | 211.0 | SSW | 3.8 | 210.0 | SSW | 3.7 | 275.0 | W | 3.2 | 232.0 | SW | 0.5 | 150.0 | SSE |
| 04:00 PM - 05:00 PM | 1.3 | 233.0 | SW | 2.3 | 272.0 | W | 1.2 | 200.0 | SSW | 3.3 | 265.0 | W | 3.3 | 259.0 | W | 3.0 | 240.0 | WSW | 1.2 | 155.0 | SSE |
| 05:00 PM - 06:00 PM | 1.5 | 212.0 | SSW | 0.5 | 259.0 | W | 1.2 | 270.0 | W | 2.8 | 229.0 | SW | 3.3 | 258.0 | WSW | 3.1 | 185.0 | S | 2.0 | 155.0 | SSE |
| 06:00 PM - 07:00 PM | 1.2 | 157.0 | SSE | 2.3 | 175.0 | S | 1.0 | 243.0 | WSW | 3.3 | 243.0 | WSW | 4.2 | 169.0 | S | 2.2 | 203.0 | SSW | 1.9 | 180.0 | S |
| 07:00 PM - 08:00 PM | 1.0 | 246.0 | WSW | 1.3 | 238.0 | WSW | 0.0 | - | - | 1.8 | 229.0 | SW | 3.5 | 233.0 | SW | 2.1 | 282.0 | WNW | 0.3 | 182.0 | S |
| 08:00 PM - 09:00 PM | 1.0 | 288.0 | WNW | 1.4 | 230.0 | SW | 1.0 | 240.0 | WSW | 2.8 | 247.0 | WSW | 2.9 | 252.0 | WSW | 2.0 | 255.0 | WSW | 0.1 | - | - |
| 09:00 PM - 10:00 PM | 1.0 | 290.0 | WNW | 0.4 | 233.0 | SW | 1.0 | 68.0 | ENE | 1.0 | 262.0 | W | 1.5 | 241.0 | WSW | 2.8 | 225.0 | SW | 0.7 | 130.0 | SE |
| 10:00 PM - 11:00 PM | 2.0 | 290.0 | WNW | 1.3 | 210.0 | SSW | 1.0 | 147.0 | SSE | 2.1 | 265.0 | W | 2.0 | 240.0 | WSW | 2.5 | 232.0 | SW | 0.1 | - | - |
| 11:00 PM - 12:00 AM | 2.0 | 290.0 | WNW | 1.5 | 211.0 | SSW | 0.1 | - | - | 2.5 | 267.0 | W | 1.6 | 283.0 | WNW | 1.6 | 291.0 | WNW | 0.3 | 134.0 | SE |
| 12:00 AM - 01:00 AM | 2.0 | 290.0 | WNW | 1.0 | 207.0 | SSW | 0.5 | 155.0 | SSE | 2.0 | 267.0 | W | 1.4 | 211.0 | SSW | 1.3 | 220.0 | SW | 0.0 | - | - |
| 01:00 AM - 02:00 AM | 1.0 | 291.0 | WNW | 1.0 | 210.0 | SSW | 1.2 | 153.0 | SSE | 2.0 | 265.0 | W | 1.3 | 226.0 | SW | 1.4 | 203.0 | SSW | 0.6 | 200.0 | SSW |
| 02:00 AM - 03:00 AM | 1.0 | 291.0 | WNW | 2.0 | 208.0 | SSW | 2.3 | 155.0 | SSE | 1.2 | 266.0 | W | 1.0 | 229.0 | SW | 1.3 | 205.0 | SSW | 0.3 | 180.0 | S |
| 03:00 AM - 04:00 AM | 1.0 | 291.0 | WNW | 2.0 | 210.0 | SSW | 1.3 | 153.0 | SSE | 2.0 | 265.0 | W | 0.6 | 227.0 | SW | 0.1 | - | - | 0.5 | 185.0 | S |
| 04:00 AM - 05:00 AM | 3.0 | 246.0 | WSW | 1.0 | 206.0 | SSW | 2.0 | 153.0 | SSE | 2.0 | 266.0 | W | 2.3 | 228.0 | SW | 1.2 | 259.0 | W | 1.1 | 184.0 | S |
| 05:00 AM - 06:00 AM | 3.0 | 245.0 | WSW | 2.0 | 207.0 | SSW | 2.0 | 153.0 | SSE | 2.0 | 266.0 | W | 1.1 | 228.0 | SW | 1.1 | 268.0 | W | 0.7 | 183.0 | S |
| 06:00 AM - 07:00 AM | 3.0 | 228.0 | SW | 3.0 | 211.0 | SSW | 2.0 | 154.0 | SSE | 3.0 | 267.0 | W | 1.6 | 309.0 | NW | 1.2 | 269.0 | W | 2.3 | 150.0 | SSE |
| 07:00 AM - 08:00 AM | 1.2 | 237.0 | WSW | 1.0 | 91.0 | E | 1.8 | 209.0 | SSW | 3.5 | 359.0 | N | 3.3 | 359.0 | N | 2.3 | 287.0 | WNW | 1.0 | 156.0 | SSE |
| 08:00 AM - 09:00 AM | 3.0 | 142.0 | SE | 0.1 | - | - | 3.4 | 299.0 | WNW | 3.8 | 352.0 | N | 3.9 | 271.0 | W | 4.8 | 283.0 | WNW | 2.2 | 145.0 | SE |
| 09:00 AM - 10:00 AM | 0.6 | 244.0 | WSW | 0.7 | 229.0 | SW | 4.9 | 291.0 | WNW | 3.4 | 37.0 | NE | 4.0 | 217.0 | SW | 4.8 | 52.0 | NE | 2.9 | 145.0 | SE |
| 10:00 AM - 11:00 AM | 1.3 | 300.0 | WNW | 0.8 | 333.0 | NNW | 4.0 | 229.0 | SW | 4.0 | 238.0 | WSW | 2.3 | 282.0 | WNW | 0.6 | 176.0 | S | 1.2 | 146.0 | SE |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

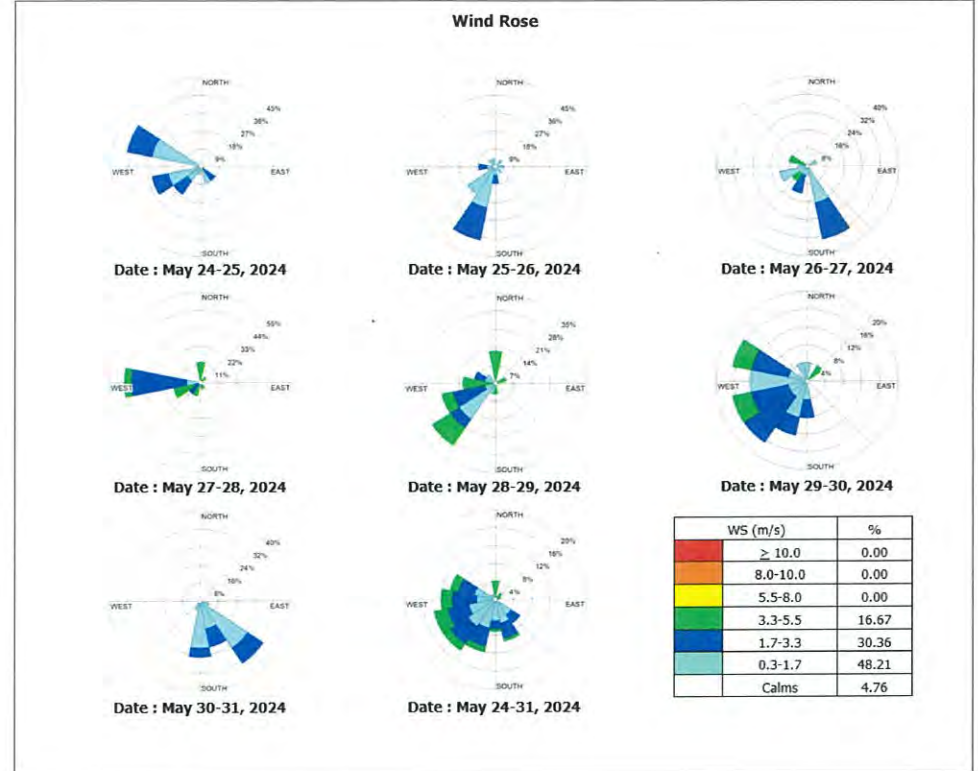
Project Location : GTS4

Lot ID: 2443459

Date Received :Jun 03, 2024

Date Reported :Jun 06, 2024

Report Number :2969267-1 C6



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Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443459

Date Received :Jun 03, 2024

Date Reported :Jun 06, 2024

Report Number :2969267-1 C6

Sample Number 2443459-22 to 28
Parameter Wind Speed / Wind Direction
Location รัดถนนพหลโยธิน 7P 0738170, 1442937
Sampling Date May 24 - May 31, 2024
Sampling by Satcha Phetsawaeng

| Time | May 24 - May 25, 2024 | | May 25 - May 26, 2024 | | May 26 - May 27, 2024 | | May 27 - May 28, 2024 | | May 28 - May 29, 2024 | | May 29 - May 30, 2024 | | May 30 - May 31, 2024 | |
|---------------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) | WS (m/s) | WD (deg) |
| 12:00 PM - 01:00 PM | 0.8 | 145.0 | SE | 0.8 | 169.0 | S | 1.2 | 227.0 | SW | 1.0 | 208.0 | SSW | 0.5 | 240.0 |
| 01:00 PM - 02:00 PM | 0.3 | 186.0 | S | 1.4 | 228.0 | SW | 1.2 | 227.0 | SW | 0.6 | 197.0 | SSW | 0.1 | - |
| 02:00 PM - 03:00 PM | 2.0 | 161.0 | SSE | 0.6 | 198.0 | SSW | 1.3 | 228.0 | SW | 0.4 | 210.0 | SSW | 0.9 | 225.0 |
| 03:00 PM - 04:00 PM | 1.1 | 214.0 | SW | 0.3 | 208.0 | SSW | 0.2 | - | 1.0 | 223.0 | SW | 2.3 | 190.0 | S |
| 04:00 PM - 05:00 PM | 0.3 | 179.0 | S | 1.0 | 244.0 | WSW | 1.0 | 215.0 | SW | 1.0 | 224.0 | SW | 2.3 | 181.0 |
| 05:00 PM - 06:00 PM | 1.0 | 209.0 | SSW | 0.4 | 194.0 | SSW | 0.5 | 185.0 | S | 0.3 | 232.0 | SW | 1.3 | 194.0 |
| 06:00 PM - 07:00 PM | 0.6 | 196.0 | SSW | 1.0 | 124.0 | SE | 1.0 | 186.0 | S | 2.0 | 217.0 | SW | 0.5 | 169.0 |
| 07:00 PM - 08:00 PM | 1.0 | 204.0 | SSW | 0.6 | 294.0 | WNW | 0.2 | - | 2.0 | 206.0 | SSW | 1.3 | 165.0 | SSE |
| 08:00 PM - 09:00 PM | 0.4 | 190.0 | S | 2.0 | 290.0 | WNW | 2.3 | 168.0 | SSE | 0.4 | 220.0 | SW | 1.4 | 164.0 |
| 09:00 PM - 10:00 PM | 1.0 | 145.0 | SE | 2.0 | 240.0 | WSW | 0.4 | 168.0 | SSE | 2.0 | 189.0 | S | 1.2 | 165.0 |
| 10:00 PM - 11:00 PM | 1.0 | 165.0 | SSE | 1.0 | 253.0 | WSW | 1.3 | 125.0 | SE | 1.2 | 224.0 | SW | 1.3 | 164.0 |
| 11:00 PM - 12:00 AM | 2.0 | 165.0 | SSE | 1.0 | 178.0 | S | 1.4 | 125.0 | SE | 1.3 | 217.0 | SW | 0.3 | 190.0 |
| 12:00 AM - 01:00 AM | 1.0 | 166.0 | SSE | 1.3 | 208.0 | SSW | 1.6 | 42.0 | NE | 1.5 | 284.0 | WNW | 1.2 | 145.0 |
| 01:00 AM - 02:00 AM | 0.3 | 167.0 | SSE | 1.4 | 132.0 | SE | 1.0 | 13.0 | NNE | 1.0 | 251.0 | WSW | 1.3 | 146.0 |
| 02:00 AM - 03:00 AM | 1.0 | 173.0 | S | 1.2 | 183.0 | S | 1.0 | 13.0 | NNE | 2.0 | 250.0 | WSW | 0.3 | 165.0 |
| 03:00 AM - 04:00 AM | 2.0 | 176.0 | S | 1.3 | 186.0 | S | 1.0 | 215.0 | SW | 3.0 | 250.0 | WSW | 0.6 | 165.0 |
| 04:00 AM - 05:00 AM | 1.0 | 176.0 | S | 1.2 | 185.0 | S | 1.0 | 210.0 | SSW | 3.0 | 251.0 | WSW | 1.2 | 164.0 |
| 05:00 AM - 06:00 AM | 0.8 | 159.0 | SSE | 3.2 | 182.0 | S | 0.6 | 210.0 | SSW | 0.6 | 251.0 | WSW | 0.1 | - |
| 06:00 AM - 07:00 AM | 1.0 | 180.0 | S | 3.0 | 241.0 | WSW | 0.2 | - | 0.4 | 212.0 | SSW | 0.3 | 165.0 | SSE |
| 07:00 AM - 08:00 AM | 1.2 | 182.0 | S | 0.3 | 155.0 | SSE | 0.8 | 210.0 | SSW | 3.0 | 218.0 | SW | 0.7 | 127.0 |
| 08:00 AM - 09:00 AM | 1.0 | 205.0 | SSW | 1.0 | 212.0 | SSW | 0.1 | - | 3.0 | 211.0 | SSW | 0.4 | 219.0 | SW |
| 09:00 AM - 10:00 AM | 0.6 | 211.0 | SSW | 0.7 | 248.0 | WSW | 1.0 | 185.0 | S | 0.8 | 247.0 | WSW | 1.9 | 250.0 |
| 10:00 AM - 11:00 AM | 2.0 | 215.0 | SW | 0.2 | - | 1.6 | 188.0 | S | 1.0 | 242.0 | WSW | 1.6 | 272.0 | W |
| 11:00 AM - 12:00 PM | 0.4 | 105.0 | ESE | 0.6 | 228.0 | SW | 0.6 | 232.0 | SW | 1.1 | 241.0 | WSW | 2.3 | 213.0 |

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210402483

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443459

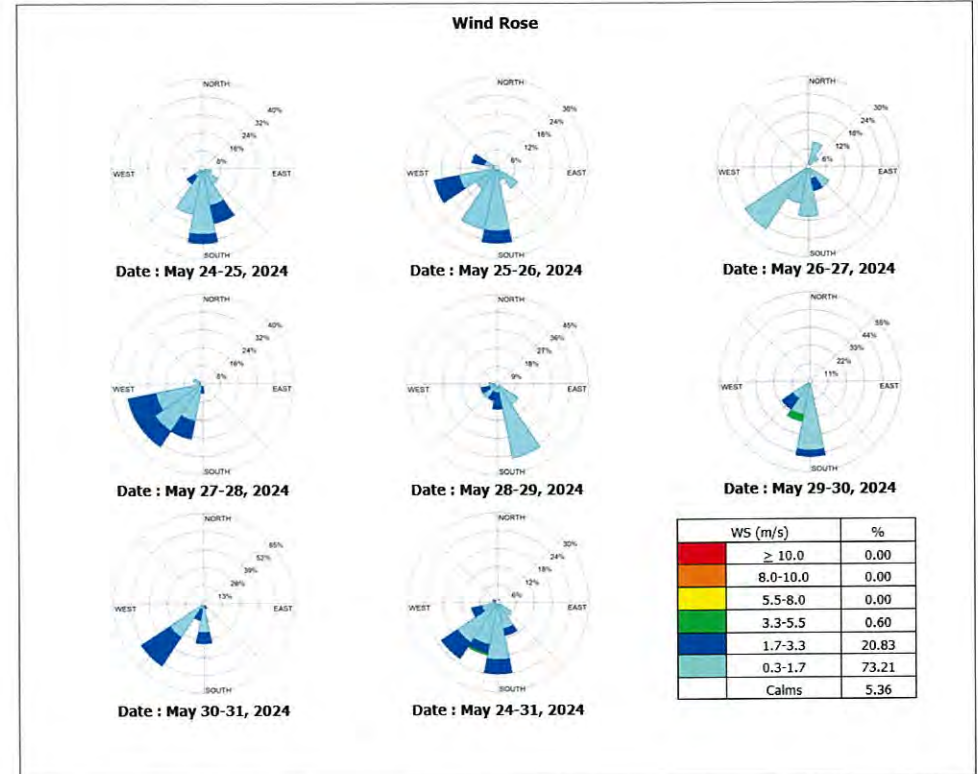
Date Received :Jun 03, 2024

Date Reported :Jun 06, 2024

Report Number :2969267-1 C6

Page 1 of 2

Page 2 of 2



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Approved by

Sarayuth Jitranont
Assistant General Manager

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Approved by

Sarayuth Jitranont
Assistant General Manager

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ภาคผนวก ค-2

คุณภาพอากาศจากปล่องระบายอากาศ



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444163
Date Received : May 29, 2024
Date Reported : Jun 04, 2024
Report Number : 2969919-1

Page 1 of 1

Sample Number 2444163-1
Sample Description Emission from Stationary Source
Location โรงงาน HRSG 11
Measurement Date May 28, 2024

| Stack Description | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|---------------|
| Ambient Temperature | 33.8 | °C | Diameter | 3.00 | m | Oxygen | 14.10 % |
| Ambient Pressure | 748.3 | mmHg | Shape | Circle | | Carbon dioxide | 3.88 % |
| Type of Process | Combustion | | Stack Temperature | 120 | °C | Gas Velocity | 14.66 m/s |
| Type of Fuel | Natural Gas | | Moisture | 7.65 | % | Flow Rate | 257108 Nm3/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 | 01:40 PM - 02:00 PM | 14.06 | 3.89 | 14.42 | 29.33 | 0.29 | 0.58 |
| 2 | 02:01 PM - 02:21 PM | 14.09 | 3.88 | 14.65 | 29.90 | 0.28 | 0.57 |
| 3 | 02:22 PM - 02:42 PM | 14.13 | 3.88 | 14.92 | 30.64 | 0.28 | 0.58 |
| Average (ppm) | | 14.10 | 3.88 | 14.66 | 29.96 | 0.28 | 0.58 |
| Guideline ¹⁾ (ppm) | | | | - | 60 | - | 6 |
| Guideline ²⁾ (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 27.59 | 56.36 | 0.74 | 1.51 |
| Emission Rate at Actual O ₂ (g/s) | | | | 1.9704 | | 0.0528 | |
| Guideline ¹⁾ (g/s) | | | | 7.4 | | 1.0 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Saksit Phaisanphisit

Guideline : ¹⁾ Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

²⁾ Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
โทรเลขเบอร์ 7-204-4-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
โทรเลขเบอร์ 7-204-4-4702

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444163
Date Received : May 29, 2024
Date Reported : Jun 04, 2024
Report Number : 2969919-1

Page 1 of 1

Sample Number 2444163-1
Sample Description Emission from Stationary Source
Location โรงงาน HRSG 11
Measurement Date May 28, 2024

| Stack Description | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|----------------|---------------|
| Ambient Temperature | 33.8 | °C | Diameter | 3.00 | m | Oxygen | 14.10 % |
| Ambient Pressure | 748.3 | mmHg | Shape | Circle | | Carbon dioxide | 3.88 % |
| Type of Process | Combustion | | Stack Temperature | 120 | °C | Gas Velocity | 14.66 m/s |
| Type of Fuel | Natural Gas | | Moisture | 7.65 | % | Flow Rate | 257108 Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Carbon Monoxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | At 7% O ₂ |
| 1 | 01:40 PM - 02:00 PM | 14.06 | 3.89 | 0.60 | 1.22 |
| 2 | 02:01 PM - 02:21 PM | 14.09 | 3.88 | 0.43 | 0.88 |
| 3 | 02:22 PM - 02:42 PM | 14.13 | 3.88 | 0.32 | 0.65 |
| Average (ppm) | | 14.10 | 3.88 | 0.45 | 0.91 |
| Guideline (ppm) | | | | - | 690 |
| Result (mg/Nm ³) | | | | 0.51 | 1.05 |
| Emission Rate at Actual O ₂ (g/s) | | | | 0.0366 | |
| Method | | | | US EPA Method 10 | |

Sampled By : Saksit Phaisanphisit

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
โทรเลขเบอร์ 7-204-4-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
โทรเลขเบอร์ 7-204-4-4702

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Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444165

Date Received : May 29, 2024

Date Reported : Jun 05, 2024

Report Number: 2969922-1

Page 1 of 2

Sample Number 2444165-1
Sampled Date May 28, 2024
Sample Description Emission from Stationary Source
Location 111111 HRSG 11
Date Analysis Commenced May 29, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------|--------|
| Ambient Pressure | 748 | mmHg | Diameter | 3.00 | m | Oxygen | 14.1 | % |
| Ambient Temperature | 33.8 | °C | Shape | Circle | | Carbon Dioxide | 3.9 | % |
| Type of Process | Combustion | | Stack Temperature | 120 | °C | Gas Velocity | 14.7 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 7.73 | % | Flow Rate (Actual O2) | 256996 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ at 14.1 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|-----------------------------|---------------------|-------|-----|-----------|---|---------------|---------------|---|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate | 01:40 PM - 02:28 PM | mg/m3 | - | 0.5 | <0.5 <0.5 | 28 | 60 | United States Environmental Protection Agency, EPA Method 5 | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444165

Date Received : May 29, 2024

Date Reported : Jun 05, 2024

Report Number: 2969922-1

Page 2 of 2

Sample Number 2444165-1
Sampled Date May 28, 2024
Sample Description Emission from Stationary Source
Location 111111 HRSG 11
Date Analysis Commenced May 29, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------|--------|
| Ambient Pressure | 748 | mmHg | Diameter | 3.00 | m | Oxygen | 14.1 | % |
| Ambient Temperature | 33.8 | °C | Shape | Circle | | Carbon Dioxide | 3.9 | % |
| Type of Process | Combustion | | Stack Temperature | 120 | °C | Gas Velocity | 14.7 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 7.73 | % | Flow Rate (Actual O2) | 256996 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|-------------------------------|---------------------|------|-----|-----------|----------------------|---------------|---------------|------------|------------------|
| Air Testing | | | | | | | | | |
| Total Suspended Particulate * | 01:40 PM - 02:28 PM | g/s | - | - | <0.036 | 1.8 | - | Calculated | Rayong |

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampled By : Warawut Pubpa

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.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
โทรศัพท์ 3-323-3-9447

Approved by

Dej Changchon

Dej Changchon
Senior Manager
โทรศัพท์ 3-323-3-9442

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Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
โทรศัพท์ 3-323-3-9447

Approved by

Dej Changchon

Dej Changchon
Senior Manager
โทรศัพท์ 3-323-3-9442

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S:\Reports_Air Stack_O2_2GL.rpt (10:37AM)

13431-61/ EMAIL

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13431-61/ EMAIL

S:\Reports_Air Stack_O2_2GL.rpt (10:37AM)



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444164
Date Received : May 29, 2024
Date Reported : Jun 04, 2024
Report Number : 2969918-1

Page 1 of 1

Sample Number 2444164-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Measurement Date May 28, 2024

| Stack Description | | | | | |
|---------------------|-------------|-------------------|--------|----------------|---------------|
| Ambient Temperature | 33.8 °C | Diameter | 3.00 m | Oxygen | 13.53 % |
| Ambient Pressure | 748.3 mmHg | Shape | Circle | Carbon dioxide | 3.87 % |
| Type of Process | Combustion | Stack Temperature | 110 °C | Gas Velocity | 14.65 m/s |
| Type of Fuel | Natural Gas | Moisture | 9.19 % | Flow Rate | 259231 Nm3/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 | 01:00 PM - 01:20 PM | 13.52 | 3.88 | 11.79 | 22.21 | 0.27 | 0.52 |
| 2 | 01:21 PM - 01:41 PM | 13.54 | 3.87 | 12.28 | 23.20 | 0.26 | 0.49 |
| 3 | 01:42 PM - 02:02 PM | 13.54 | 3.87 | 12.77 | 24.10 | 0.25 | 0.46 |
| Average (ppm) | | 13.53 | 3.87 | 12.28 | 23.17 | 0.26 | 0.49 |
| Guideline ^{1/} (ppm) | | | | - | 60 | - | 6 |
| Guideline ^{2/} (ppm) | | | | - | 120 | - | 20 |
| Result (mg/Nm ³) | | | | 23.10 | 43.59 | 0.68 | 1.29 |
| Emission Rate at Actual O ₂ (g/s) | | | | 1.6636 | | 0.0491 | |
| Guideline ^{1/} (g/s) | | | | 7.4 | | 1.0 | |
| Method | | | | US EPA Method 7E | | US EPA Method 6C | |

Sampled By : Sathaporn Thakaw

Guideline : ^{1/} Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

^{2/} Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
โทรศัพท์ 2-204-6-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
โทรศัพท์ 2-204-6-4702

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444164
Date Received : May 29, 2024
Date Reported : Jun 04, 2024
Report Number : 2969918-1

Page 1 of 1

Sample Number 2444164-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Measurement Date May 28, 2024

| Stack Description | | | | | |
|---------------------|-------------|-------------------|--------|----------------|---------------|
| Ambient Temperature | 33.8 °C | Diameter | 3.00 m | Oxygen | 13.53 % |
| Ambient Pressure | 748.3 mmHg | Shape | Circle | Carbon dioxide | 3.87 % |
| Type of Process | Combustion | Stack Temperature | 110 °C | Gas Velocity | 14.65 m/s |
| Type of Fuel | Natural Gas | Moisture | 9.19 % | Flow Rate | 259231 Nm3/hr |

| Run No. | Sampling Time | Oxygen (%) | Carbon Dioxide (%) | Carbon Monoxide (ppm) | |
|--|---------------------|------------|--------------------|--------------------------|----------------------|
| | | | | at Actual O ₂ | At 7% O ₂ |
| 1 | 01:00 PM - 01:20 PM | 13.52 | 3.88 | 0.57 | 1.07 |
| 2 | 01:21 PM - 01:41 PM | 13.54 | 3.87 | 0.57 | 1.07 |
| 3 | 01:42 PM - 02:02 PM | 13.54 | 3.87 | 0.54 | 1.03 |
| Average (ppm) | | 13.53 | 3.87 | 0.56 | 1.06 |
| Guideline (ppm) | | | | - | 690 |
| Result (mg/Nm ³) | | | | 0.64 | 1.21 |
| Emission Rate at Actual O ₂ (g/s) | | | | 0.0461 | |
| Method | | | | US EPA Method 10 | |

Sampled By : Sathaporn Thakaw

Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management

Wichan Choonharat
Wichan Choonharat
Manager
โทรศัพท์ 2-204-6-6113

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager
โทรศัพท์ 2-204-6-4702

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ADDRESS 104 Phatthanakan Rd., Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250, THAILAND | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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Analysis / Test Report



TESTING
No.0042

Client: Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444166

Date Received : May 28, 2024

Date Reported : Jun 05, 2024

Report Number: 2969920-1

Page 1 of 2

Sample Number 2444166-1
Sampled Date May 28, 2024
Sample Description Emission from Stationary Source
Location 11444 HRSG 12
Date Analysis Commenced May 29, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------|--------|
| Ambient Pressure | 748 | mmHg | Diameter | 3.00 | m | Oxygen | 13.6 | % |
| Ambient Temperature | 33.8 | °C | Shape | Circle | | Carbon Dioxide | 3.9 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 14.7 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 9.26 | % | Flow Rate (Actual O2) | 259354 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result at 7 % O ₂ at 13.6 % O ₂ | Guideline (1) | Guideline (2) | Method | Testing Location |
|---------|--------------|------|-----|-----------|---|---------------|---------------|--------|------------------|
|---------|--------------|------|-----|-----------|---|---------------|---------------|--------|------------------|

Air Testing

| | | | | | | | | | | |
|-----------------------------|---------------------|-------|---|-----|------|------|----|----|---|--------|
| Total Suspended Particulate | 01:00 PM - 01:48 PM | mg/m3 | - | 0.5 | <0.5 | <0.5 | 28 | 60 | United States Environmental Protection Agency, EPA Method 5 | Rayong |
|-----------------------------|---------------------|-------|---|-----|------|------|----|----|---|--------|

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

โทรศัพท์ 323-9-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทรศัพท์ 323-9-9442

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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S:\Reports_Air Stack_O2_PGL.rpt (10:32AM)

13431-61/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client: Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444166

Date Received : May 28, 2024

Date Reported : Jun 05, 2024

Report Number: 2969920-1

Page 2 of 2

Sample Number 2444166-1
Sampled Date May 28, 2024
Sample Description Emission from Stationary Source
Location 11444 HRSG 12
Date Analysis Commenced May 29, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

| | | | | | | | | |
|---------------------|-------------|------|-------------------|--------|----|-----------------------|--------|--------|
| Ambient Pressure | 748 | mmHg | Diameter | 3.00 | m | Oxygen | 13.6 | % |
| Ambient Temperature | 33.8 | °C | Shape | Circle | | Carbon Dioxide | 3.9 | % |
| Type of Process | Combustion | | Stack Temperature | 110 | °C | Gas Velocity | 14.7 | m/s |
| Type of Fuel | Natural Gas | | Moisture | 9.26 | % | Flow Rate (Actual O2) | 259354 | Nm3/hr |

| Analyte | Sampled Time | Unit | LOD | LOQ (LOR) | Result Emission Rate | Guideline (1) | Guideline (2) | Method | Testing Location |
|---------|--------------|------|-----|-----------|----------------------|---------------|---------------|--------|------------------|
|---------|--------------|------|-----|-----------|----------------------|---------------|---------------|--------|------------------|

Air Testing

| | | | | | | | | | |
|-------------------------------|---------------------|-----|---|---|--------|-----|---|------------|--------|
| Total Suspended Particulate * | 01:00 PM - 01:48 PM | g/s | - | - | <0.036 | 1.8 | - | Calculated | Rayong |
|-------------------------------|---------------------|-----|---|---|--------|-----|---|------------|--------|

Guideline :

Guideline (1) Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampled By : Sutdamrong Chokpitikan

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.

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

โทรศัพท์ 323-9-9447

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทรศัพท์ 323-9-9442

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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S:\Reports_Air Stack_O2_PGL.rpt (10:32AM)

13431-61/ EMAIL

ภาคผนวก ค-3

ระดับเสียงโดยทั่วไป



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444101

Date Received : Jun 03, 2024

Date Reported : Jun 07, 2024

Report Number: 3015800-1

Page 1 of 1

Sample Number 2444101-1
Parameter Noise (Leq 24 hrs.)
Location บริเวณพื้นที่โครงการ (GPS 47P 0736946, 1445408)
Measurement Date May 24 - May 25, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623395

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 61.7 | 76.6 | 60.9 |
| 11:00 AM - 12:00 PM | 61.3 | 68.4 | 60.7 |
| 12:00 PM - 01:00 PM | 60.6 | 65.0 | 60.0 |
| 01:00 PM - 02:00 PM | 60.3 | 64.5 | 59.7 |
| 02:00 PM - 03:00 PM | 60.7 | 66.1 | 60.1 |
| 03:00 PM - 04:00 PM | 60.6 | 65.4 | 60.0 |
| 04:00 PM - 05:00 PM | 60.7 | 68.7 | 60.1 |
| 05:00 PM - 06:00 PM | 60.6 | 68.0 | 60.0 |
| 06:00 PM - 07:00 PM | 60.7 | 75.3 | 60.1 |
| 07:00 PM - 08:00 PM | 60.8 | 71.4 | 60.4 |
| 08:00 PM - 09:00 PM | 60.9 | 68.8 | 60.4 |
| 09:00 PM - 10:00 PM | 61.1 | 63.4 | 60.6 |
| 10:00 PM - 11:00 PM | 61.3 | 64.7 | 60.9 |
| 11:00 PM - 12:00 AM | 61.4 | 64.7 | 60.8 |
| 12:00 AM - 01:00 AM | 61.4 | 70.1 | 60.7 |
| 01:00 AM - 02:00 AM | 60.6 | 69.0 | 59.3 |
| 02:00 AM - 03:00 AM | 60.2 | 64.0 | 59.6 |
| 03:00 AM - 04:00 AM | 59.8 | 62.6 | 59.4 |
| 04:00 AM - 05:00 AM | 59.8 | 62.5 | 59.4 |
| 05:00 AM - 06:00 AM | 60.0 | 63.4 | 59.5 |
| 06:00 AM - 07:00 AM | 59.9 | 66.1 | 59.4 |
| 07:00 AM - 08:00 AM | 61.2 | 69.2 | 59.0 |
| 08:00 AM - 09:00 AM | 61.4 | 68.0 | 60.4 |
| 09:00 AM - 10:00 AM | 60.5 | 65.8 | 59.9 |

Leq Average 24 hrs. (dB(A))

60.8

Lmax (dB(A))

76.6

L90 (dB(A))

60.0

Ldn (dB(A))

67.0

Standard (dB(A))

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salanteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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S:\Reports_Air Noise.rpt (11:07AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444101

Date Received : Jun 03, 2024

Date Reported : Jun 07, 2024

Report Number: 3015801-1

Page 1 of 1

Sample Number 2444101-2
Parameter Noise (Leq 24 hrs.)
Location บริเวณพื้นที่โครงการ (GPS 47P 0736946, 1445408)
Measurement Date May 25 - May 26, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623395

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 60.7 | 71.5 | 59.9 |
| 11:00 AM - 12:00 PM | 60.4 | 65.7 | 59.9 |
| 12:00 PM - 01:00 PM | 60.3 | 64.1 | 59.6 |
| 01:00 PM - 02:00 PM | 60.2 | 68.4 | 59.4 |
| 02:00 PM - 03:00 PM | 61.3 | 84.4 | 59.3 |
| 03:00 PM - 04:00 PM | 62.0 | 74.3 | 61.4 |
| 04:00 PM - 05:00 PM | 61.4 | 65.5 | 60.7 |
| 05:00 PM - 06:00 PM | 60.7 | 73.0 | 60.1 |
| 06:00 PM - 07:00 PM | 60.8 | 77.1 | 60.2 |
| 07:00 PM - 08:00 PM | 60.9 | 66.6 | 60.3 |
| 08:00 PM - 09:00 PM | 61.4 | 64.6 | 60.9 |
| 09:00 PM - 10:00 PM | 61.5 | 65.5 | 61.0 |
| 10:00 PM - 11:00 PM | 61.4 | 64.2 | 60.8 |
| 11:00 PM - 12:00 AM | 61.6 | 64.3 | 61.0 |
| 12:00 AM - 01:00 AM | 61.7 | 69.6 | 61.0 |
| 01:00 AM - 02:00 AM | 60.1 | 67.2 | 59.0 |
| 02:00 AM - 03:00 AM | 59.2 | 63.1 | 58.8 |
| 03:00 AM - 04:00 AM | 59.1 | 62.2 | 58.8 |
| 04:00 AM - 05:00 AM | 59.1 | 62.7 | 58.7 |
| 05:00 AM - 06:00 AM | 59.2 | 62.8 | 58.7 |
| 06:00 AM - 07:00 AM | 59.2 | 67.1 | 58.8 |
| 07:00 AM - 08:00 AM | 59.4 | 68.8 | 59.0 |
| 08:00 AM - 09:00 AM | 59.4 | 65.3 | 58.8 |
| 09:00 AM - 10:00 AM | 59.1 | 72.0 | 57.9 |

Leq Average 24 hrs. (dB(A))

60.5

Lmax (dB(A))

84.4

L90 (dB(A))

59.6

Ldn (dB(A))

66.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salanteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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S:\Reports_Air Noise.rpt (11:07AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444101

Date Received : Jun 03, 2024

Date Reported : Jun 07, 2024

Report Number: 3015802-1

Page 1 of 1

Sample Number 2444101-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณรั้วโครงการ (GPS 47P 0736946, 1445408)
Measurement Date May 26 - May 27, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623395

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 58.7 | 71.9 | 57.6 |
| 11:00 AM - 12:00 PM | 58.2 | 68.0 | 57.4 |
| 12:00 PM - 01:00 PM | 57.9 | 67.0 | 57.0 |
| 01:00 PM - 02:00 PM | 57.8 | 63.4 | 57.2 |
| 02:00 PM - 03:00 PM | 57.7 | 63.9 | 56.9 |
| 03:00 PM - 04:00 PM | 57.7 | 81.2 | 56.8 |
| 04:00 PM - 05:00 PM | 57.7 | 63.2 | 56.9 |
| 05:00 PM - 06:00 PM | 61.4 | 74.7 | 57.6 |
| 06:00 PM - 07:00 PM | 60.8 | 69.3 | 60.0 |
| 07:00 PM - 08:00 PM | 60.7 | 71.8 | 60.1 |
| 08:00 PM - 09:00 PM | 60.9 | 63.7 | 60.4 |
| 09:00 PM - 10:00 PM | 60.9 | 64.0 | 60.2 |
| 10:00 PM - 11:00 PM | 61.5 | 66.2 | 60.7 |
| 11:00 PM - 12:00 AM | 61.5 | 69.7 | 60.1 |
| 12:00 AM - 01:00 AM | 59.2 | 62.9 | 58.7 |
| 01:00 AM - 02:00 AM | 59.1 | 62.5 | 58.5 |
| 02:00 AM - 03:00 AM | 58.9 | 62.4 | 58.4 |
| 03:00 AM - 04:00 AM | 58.9 | 62.7 | 58.4 |
| 04:00 AM - 05:00 AM | 58.9 | 62.3 | 58.4 |
| 05:00 AM - 06:00 AM | 59.3 | 62.6 | 58.8 |
| 06:00 AM - 07:00 AM | 59.4 | 63.9 | 58.9 |
| 07:00 AM - 08:00 AM | 59.0 | 71.9 | 58.3 |
| 08:00 AM - 09:00 AM | 61.7 | 69.2 | 58.8 |
| 09:00 AM - 10:00 AM | 60.2 | 64.7 | 59.5 |

Leq Average 24 hrs. (dB(A))

59.7

Lmax (dB(A))

81.2

L90 (dB(A))

58.4

Ldn (dB(A))

66.2

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

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

Technical Management

Thanita K.

Thanita Kulsurwong
Scientist (4)

Approved by

Supt S

Supot Salamth
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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S:\Reports_Air Noise.rpt (11:08AM)

13431-61/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444101

Date Received : Jun 03, 2024

Date Reported : Jun 07, 2024

Report Number: 3015803-1

Page 1 of 1

Sample Number 2444101-4
Parameter Noise (Leq 24 hrs.)
Location บริเวณรั้วโครงการ (GPS 47P 0736946, 1445408)
Measurement Date May 27 - May 28, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623395

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 59.8 | 68.9 | 58.9 |
| 11:00 AM - 12:00 PM | 59.4 | 67.7 | 58.5 |
| 12:00 PM - 01:00 PM | 59.6 | 62.8 | 58.9 |
| 01:00 PM - 02:00 PM | 59.3 | 67.8 | 58.3 |
| 02:00 PM - 03:00 PM | 59.4 | 63.7 | 58.6 |
| 03:00 PM - 04:00 PM | 59.6 | 65.2 | 58.9 |
| 04:00 PM - 05:00 PM | 59.6 | 64.0 | 58.9 |
| 05:00 PM - 06:00 PM | 60.1 | 75.0 | 59.0 |
| 06:00 PM - 07:00 PM | 59.9 | 72.1 | 59.3 |
| 07:00 PM - 08:00 PM | 60.4 | 68.8 | 59.9 |
| 08:00 PM - 09:00 PM | 60.5 | 63.5 | 60.0 |
| 09:00 PM - 10:00 PM | 60.8 | 63.4 | 60.3 |
| 10:00 PM - 11:00 PM | 61.0 | 63.5 | 60.5 |
| 11:00 PM - 12:00 AM | 61.0 | 63.4 | 60.5 |
| 12:00 AM - 01:00 AM | 61.1 | 64.0 | 60.6 |
| 01:00 AM - 02:00 AM | 61.1 | 65.7 | 60.4 |
| 02:00 AM - 03:00 AM | 61.1 | 64.1 | 60.6 |
| 03:00 AM - 04:00 AM | 60.9 | 63.3 | 60.5 |
| 04:00 AM - 05:00 AM | 61.3 | 63.6 | 60.8 |
| 05:00 AM - 06:00 AM | 61.1 | 63.8 | 60.6 |
| 06:00 AM - 07:00 AM | 60.9 | 69.5 | 60.4 |
| 07:00 AM - 08:00 AM | 60.7 | 63.8 | 60.2 |
| 08:00 AM - 09:00 AM | 60.7 | 68.5 | 59.6 |
| 09:00 AM - 10:00 AM | 59.8 | 76.3 | 58.6 |

Leq Average 24 hrs. (dB(A))

60.4

Lmax (dB(A))

76.3

L90 (dB(A))

59.9

Ldn (dB(A))

67.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsurwong
Scientist (4)

Approved by

Supt S

Supot Salamth
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Life Sciences

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13431-61/ EMAIL

S:\Reports_Air Noise.rpt (11:08AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444101

Date Received : Jun 03, 2024

Date Reported : Jun 07, 2024

Report Number: 3015804-1

Page 1 of 1

Sample Number 2444101-5
Parameter Noise (Leq 24 hrs.)
Location บริเวณโรงโม่หิน (GPS 47P 0736946, 1445408)
Measurement Date May 28 - May 29, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623395

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 59.5 | 75.8 | 58.5 |
| 11:00 AM - 12:00 PM | 59.3 | 67.5 | 58.4 |
| 12:00 PM - 01:00 PM | 59.2 | 64.0 | 58.2 |
| 01:00 PM - 02:00 PM | 59.1 | 65.3 | 58.2 |
| 02:00 PM - 03:00 PM | 59.0 | 68.8 | 58.0 |
| 03:00 PM - 04:00 PM | 59.1 | 66.0 | 58.3 |
| 04:00 PM - 05:00 PM | 59.6 | 67.1 | 58.8 |
| 05:00 PM - 06:00 PM | 59.7 | 67.0 | 59.1 |
| 06:00 PM - 07:00 PM | 60.4 | 73.1 | 59.3 |
| 07:00 PM - 08:00 PM | 60.2 | 65.0 | 59.5 |
| 08:00 PM - 09:00 PM | 60.7 | 63.2 | 60.2 |
| 09:00 PM - 10:00 PM | 60.8 | 62.9 | 60.3 |
| 10:00 PM - 11:00 PM | 60.7 | 63.2 | 60.3 |
| 11:00 PM - 12:00 AM | 61.0 | 63.8 | 60.6 |
| 12:00 AM - 01:00 AM | 61.0 | 69.6 | 60.4 |
| 01:00 AM - 02:00 AM | 60.0 | 66.4 | 59.1 |
| 02:00 AM - 03:00 AM | 59.6 | 62.9 | 59.2 |
| 03:00 AM - 04:00 AM | 59.7 | 62.9 | 59.2 |
| 04:00 AM - 05:00 AM | 59.6 | 62.7 | 59.1 |
| 05:00 AM - 06:00 AM | 59.6 | 62.7 | 59.2 |
| 06:00 AM - 07:00 AM | 59.5 | 72.6 | 58.9 |
| 07:00 AM - 08:00 AM | 59.6 | 62.5 | 59.1 |
| 08:00 AM - 09:00 AM | 61.5 | 73.7 | 59.6 |
| 09:00 AM - 10:00 AM | 59.7 | 67.7 | 58.8 |

Leq Average 24 hrs. (dB(A))

60.0

Lmax (dB(A))

75.8

L90 (dB(A))

59.1

Ldn (dB(A))

66.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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S:\Reports\Air Noise.rpt (11:08AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444101

Date Received : Jun 03, 2024

Date Reported : Jun 07, 2024

Report Number: 3015805-1

Page 1 of 1

Sample Number 2444101-6
Parameter Noise (Leq 24 hrs.)
Location บริเวณโรงโม่หิน (GPS 47P 0736946, 1445408)
Measurement Date May 29 - May 30, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 623395

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 59.6 | 63.6 | 58.8 |
| 11:00 AM - 12:00 PM | 59.7 | 66.3 | 58.8 |
| 12:00 PM - 01:00 PM | 59.3 | 67.5 | 58.2 |
| 01:00 PM - 02:00 PM | 59.0 | 67.1 | 58.0 |
| 02:00 PM - 03:00 PM | 59.6 | 72.1 | 58.7 |
| 03:00 PM - 04:00 PM | 60.1 | 70.5 | 59.1 |
| 04:00 PM - 05:00 PM | 59.8 | 69.4 | 58.9 |
| 05:00 PM - 06:00 PM | 59.6 | 67.0 | 58.8 |
| 06:00 PM - 07:00 PM | 59.5 | 68.3 | 58.6 |
| 07:00 PM - 08:00 PM | 60.1 | 64.9 | 59.5 |
| 08:00 PM - 09:00 PM | 60.4 | 63.5 | 60.0 |
| 09:00 PM - 10:00 PM | 60.5 | 63.1 | 60.0 |
| 10:00 PM - 11:00 PM | 60.6 | 63.3 | 60.1 |
| 11:00 PM - 12:00 AM | 60.8 | 66.5 | 60.3 |
| 12:00 AM - 01:00 AM | 60.7 | 69.6 | 60.0 |
| 01:00 AM - 02:00 AM | 58.8 | 66.6 | 58.0 |
| 02:00 AM - 03:00 AM | 58.4 | 62.4 | 58.0 |
| 03:00 AM - 04:00 AM | 58.3 | 61.7 | 57.9 |
| 04:00 AM - 05:00 AM | 58.4 | 62.2 | 58.0 |
| 05:00 AM - 06:00 AM | 58.5 | 67.2 | 58.0 |
| 06:00 AM - 07:00 AM | 58.7 | 66.3 | 58.1 |
| 07:00 AM - 08:00 AM | 58.1 | 64.4 | 57.6 |
| 08:00 AM - 09:00 AM | 61.1 | 73.3 | 58.6 |
| 09:00 AM - 10:00 AM | 59.5 | 67.7 | 58.7 |

Leq Average 24 hrs. (dB(A))

59.6

Lmax (dB(A))

73.3

L90 (dB(A))

58.7

Ldn (dB(A))

65.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง กำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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S:\Reports_Air Noise.rpt (11:08AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210507315

Project Name : Monitoring EIA

Project Location : GT54

Lot ID: 2444101

Date Received : Jun 03, 2024

Date Reported : Jun 07, 2024

Report Number: 3015806-1

Page 1 of 1

| | |
|-------------------|--|
| Sample Number | 2444101-7 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บริเวณรั้วโครงการ (GPS 47P 0736946, 1445408) |
| Measurement Date | May 30 - May 31, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 623395 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 59.5 | 66.3 | 58.6 |
| 11:00 AM - 12:00 PM | 59.4 | 66.9 | 58.5 |
| 12:00 PM - 01:00 PM | 59.7 | 65.7 | 58.8 |
| 01:00 PM - 02:00 PM | 59.6 | 67.4 | 58.8 |
| 02:00 PM - 03:00 PM | 59.3 | 67.3 | 58.3 |
| 03:00 PM - 04:00 PM | 59.6 | 68.1 | 58.8 |
| 04:00 PM - 05:00 PM | 59.6 | 65.2 | 58.8 |
| 05:00 PM - 06:00 PM | 59.5 | 73.7 | 58.6 |
| 06:00 PM - 07:00 PM | 59.3 | 68.7 | 58.4 |
| 07:00 PM - 08:00 PM | 60.4 | 74.9 | 59.8 |
| 08:00 PM - 09:00 PM | 60.4 | 65.1 | 59.8 |
| 09:00 PM - 10:00 PM | 60.0 | 63.9 | 59.3 |
| 10:00 PM - 11:00 PM | 60.4 | 65.0 | 59.8 |
| 11:00 PM - 12:00 AM | 61.4 | 64.0 | 60.7 |
| 12:00 AM - 01:00 AM | 60.6 | 69.3 | 59.9 |
| 01:00 AM - 02:00 AM | 59.5 | 67.3 | 58.7 |
| 02:00 AM - 03:00 AM | 59.7 | 63.0 | 59.0 |
| 03:00 AM - 04:00 AM | 59.9 | 62.6 | 59.3 |
| 04:00 AM - 05:00 AM | 59.8 | 62.7 | 59.3 |
| 05:00 AM - 06:00 AM | 59.5 | 62.7 | 59.0 |
| 06:00 AM - 07:00 AM | 59.7 | 78.5 | 59.1 |
| 07:00 AM - 08:00 AM | 59.7 | 74.6 | 59.0 |
| 08:00 AM - 09:00 AM | 62.3 | 74.1 | 59.6 |
| 09:00 AM - 10:00 AM | 59.8 | 64.4 | 59.1 |

Leq Average 24 hrs. (dB(A))

60.0

Lmax (dB(A))

78.5

L90 (dB(A))

59.0

Ldn (dB(A))

66.5

Standard (dB(A))

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

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

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameth
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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S:\Reports_Air Noise.rpt (11:08AM)

13431-61/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location : GT54

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015784-1C6

Page 1 of 1

| | |
|-------------------|--|
| Sample Number | 2443461-8 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บริเวณรั้วโครงการ (GPS 47P 0735491, 1445328) |
| Measurement Date | May 24 - May 25, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 58.6 | 85.4 | 52.7 |
| 11:00 AM - 12:00 PM | 56.7 | 73.6 | 52.5 |
| 12:00 PM - 01:00 PM | 56.9 | 76.6 | 52.4 |
| 01:00 PM - 02:00 PM | 58.5 | 75.6 | 53.0 |
| 02:00 PM - 03:00 PM | 57.2 | 82.0 | 51.7 |
| 03:00 PM - 04:00 PM | 60.2 | 88.3 | 53.1 |
| 04:00 PM - 05:00 PM | 58.9 | 82.8 | 53.0 |
| 05:00 PM - 06:00 PM | 58.2 | 78.4 | 53.8 |
| 06:00 PM - 07:00 PM | 57.8 | 77.7 | 54.0 |
| 07:00 PM - 08:00 PM | 58.2 | 78.3 | 53.4 |
| 08:00 PM - 09:00 PM | 56.6 | 76.4 | 52.7 |
| 09:00 PM - 10:00 PM | 56.8 | 80.3 | 51.7 |
| 10:00 PM - 11:00 PM | 55.4 | 72.0 | 51.4 |
| 11:00 PM - 12:00 AM | 55.0 | 76.7 | 52.1 |
| 12:00 AM - 01:00 AM | 53.5 | 71.6 | 50.9 |
| 01:00 AM - 02:00 AM | 54.2 | 65.7 | 51.2 |
| 02:00 AM - 03:00 AM | 54.8 | 68.2 | 51.0 |
| 03:00 AM - 04:00 AM | 57.0 | 75.3 | 51.8 |
| 04:00 AM - 05:00 AM | 57.4 | 81.3 | 51.9 |
| 05:00 AM - 06:00 AM | 58.2 | 78.8 | 51.8 |
| 06:00 AM - 07:00 AM | 57.7 | 86.0 | 50.8 |
| 07:00 AM - 08:00 AM | 54.4 | 73.3 | 49.8 |
| 08:00 AM - 09:00 AM | 54.8 | 74.9 | 49.4 |
| 09:00 AM - 10:00 AM | 54.1 | 76.6 | 48.6 |

Leq Average 24 hrs. (dB(A))

57.1

Lmax (dB(A))

88.3

L90 (dB(A))

51.8

Ldn (dB(A))

62.8

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

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameth
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015785-1C6

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 2443461-9 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | โรงเรียนบ้านพรุคัง (GPS 47P 0735491, 1445328) |
| Measurement Date | May 25 - May 26, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 54.7 | 77.7 | 50.3 |
| 11:00 AM - 12:00 PM | 64.2 | 99.0 | 51.5 |
| 12:00 PM - 01:00 PM | 58.8 | 79.1 | 54.8 |
| 01:00 PM - 02:00 PM | 58.6 | 78.6 | 55.0 |
| 02:00 PM - 03:00 PM | 56.9 | 71.3 | 52.5 |
| 03:00 PM - 04:00 PM | 59.4 | 81.3 | 53.8 |
| 04:00 PM - 05:00 PM | 59.9 | 79.9 | 54.6 |
| 05:00 PM - 06:00 PM | 57.7 | 74.9 | 54.1 |
| 06:00 PM - 07:00 PM | 58.2 | 79.3 | 53.4 |
| 07:00 PM - 08:00 PM | 56.4 | 77.8 | 52.9 |
| 08:00 PM - 09:00 PM | 56.4 | 76.6 | 53.1 |
| 09:00 PM - 10:00 PM | 58.3 | 82.9 | 53.9 |
| 10:00 PM - 11:00 PM | 54.8 | 73.9 | 52.9 |
| 11:00 PM - 12:00 AM | 57.9 | 77.3 | 54.8 |
| 12:00 AM - 01:00 AM | 57.8 | 72.6 | 55.9 |
| 01:00 AM - 02:00 AM | 57.1 | 67.1 | 54.6 |
| 02:00 AM - 03:00 AM | 57.2 | 68.7 | 54.2 |
| 03:00 AM - 04:00 AM | 56.1 | 73.7 | 53.5 |
| 04:00 AM - 05:00 AM | 55.1 | 73.5 | 52.8 |
| 05:00 AM - 06:00 AM | 58.4 | 84.5 | 51.3 |
| 06:00 AM - 07:00 AM | 57.4 | 86.9 | 50.2 |
| 07:00 AM - 08:00 AM | 53.9 | 73.8 | 49.7 |
| 08:00 AM - 09:00 AM | 53.8 | 76.8 | 47.4 |
| 09:00 AM - 10:00 AM | 53.7 | 77.9 | 47.4 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 57.9 | | |
| Lmax (dB(A)) | | 99.0 | |
| L90 (dB(A)) | | | 53.1 |
| Ldn (dB(A)) | 63.7 | | |
| 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

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015786-1C6

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 2443461-10 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | โรงเรียนบ้านพรุคัง (GPS 47P 0735491, 1445328) |
| Measurement Date | May 26 - May 27, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 55.2 | 83.6 | 47.9 |
| 11:00 AM - 12:00 PM | 54.7 | 81.0 | 48.1 |
| 12:00 PM - 01:00 PM | 57.0 | 82.1 | 48.7 |
| 01:00 PM - 02:00 PM | 54.7 | 75.6 | 49.1 |
| 02:00 PM - 03:00 PM | 56.0 | 81.8 | 49.3 |
| 03:00 PM - 04:00 PM | 57.2 | 78.2 | 50.6 |
| 04:00 PM - 05:00 PM | 58.7 | 79.8 | 51.6 |
| 05:00 PM - 06:00 PM | 59.3 | 81.2 | 52.7 |
| 06:00 PM - 07:00 PM | 57.4 | 81.3 | 51.7 |
| 07:00 PM - 08:00 PM | 54.2 | 80.3 | 49.2 |
| 08:00 PM - 09:00 PM | 51.7 | 71.1 | 48.8 |
| 09:00 PM - 10:00 PM | 52.8 | 78.0 | 49.1 |
| 10:00 PM - 11:00 PM | 51.9 | 73.5 | 48.9 |
| 11:00 PM - 12:00 AM | 51.7 | 74.6 | 48.7 |
| 12:00 AM - 01:00 AM | 50.1 | 66.8 | 48.3 |
| 01:00 AM - 02:00 AM | 50.7 | 72.4 | 48.5 |
| 02:00 AM - 03:00 AM | 54.3 | 84.7 | 48.5 |
| 03:00 AM - 04:00 AM | 54.3 | 74.6 | 49.8 |
| 04:00 AM - 05:00 AM | 59.1 | 83.9 | 51.1 |
| 05:00 AM - 06:00 AM | 59.5 | 77.6 | 52.9 |
| 06:00 AM - 07:00 AM | 57.9 | 83.1 | 51.4 |
| 07:00 AM - 08:00 AM | 57.5 | 81.8 | 50.2 |
| 08:00 AM - 09:00 AM | 56.8 | 77.6 | 50.3 |
| 09:00 AM - 10:00 AM | 55.9 | 71.2 | 51.1 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 56.2 | | |
| Lmax (dB(A)) | | 84.7 | |
| L90 (dB(A)) | | | 49.2 |
| Ldn (dB(A)) | 62.3 | | |
| Standard (dB(A)) | 70 | 115 | |

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

13430-61/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015787-1C6

Page 1 of 1

| | |
|-------------------|--|
| Sample Number | 2443461-11 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บริเวณบ้านทุ่งศรี (GPS 47P 0735491, 1445328) |
| Measurement Date | May 27 - May 28, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 56.1 | 80.5 | 51.8 |
| 11:00 AM - 12:00 PM | 57.3 | 73.2 | 52.1 |
| 12:00 PM - 01:00 PM | 58.8 | 83.4 | 51.4 |
| 01:00 PM - 02:00 PM | 58.3 | 76.7 | 51.4 |
| 02:00 PM - 03:00 PM | 57.5 | 80.1 | 51.8 |
| 03:00 PM - 04:00 PM | 57.4 | 79.9 | 51.5 |
| 04:00 PM - 05:00 PM | 55.6 | 74.5 | 50.8 |
| 05:00 PM - 06:00 PM | 55.9 | 85.4 | 49.9 |
| 06:00 PM - 07:00 PM | 52.4 | 72.0 | 49.3 |
| 07:00 PM - 08:00 PM | 51.9 | 74.5 | 48.9 |
| 08:00 PM - 09:00 PM | 52.9 | 76.4 | 49.4 |
| 09:00 PM - 10:00 PM | 51.4 | 68.3 | 49.3 |
| 10:00 PM - 11:00 PM | 55.8 | 83.1 | 48.4 |
| 11:00 PM - 12:00 AM | 50.5 | 72.9 | 48.5 |
| 12:00 AM - 01:00 AM | 52.6 | 78.4 | 48.6 |
| 01:00 AM - 02:00 AM | 54.4 | 81.9 | 49.9 |
| 02:00 AM - 03:00 AM | 58.8 | 82.5 | 51.8 |
| 03:00 AM - 04:00 AM | 59.3 | 79.5 | 51.8 |
| 04:00 AM - 05:00 AM | 57.1 | 83.4 | 50.1 |
| 05:00 AM - 06:00 AM | 56.1 | 74.7 | 51.4 |
| 06:00 AM - 07:00 AM | 54.4 | 72.4 | 48.5 |
| 07:00 AM - 08:00 AM | 56.0 | 76.6 | 48.5 |
| 08:00 AM - 09:00 AM | 55.1 | 76.3 | 47.6 |
| 09:00 AM - 10:00 AM | 54.0 | 77.5 | 48.6 |

Leq Average 24 hrs. (dB(A))

56.0

Lmax (dB(A))

85.4

L90 (dB(A))

49.9

Ldn (dB(A))

62.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Life Sciences

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Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015788-1C6

Page 1 of 1

| | |
|-------------------|--|
| Sample Number | 2443461-12 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บริเวณบ้านทุ่งศรี (GPS 47P 0735491, 1445328) |
| Measurement Date | May 28 - May 29, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 57.3 | 78.5 | 51.4 |
| 11:00 AM - 12:00 PM | 66.7 | 91.2 | 50.3 |
| 12:00 PM - 01:00 PM | 58.5 | 84.6 | 51.4 |
| 01:00 PM - 02:00 PM | 59.0 | 81.2 | 52.3 |
| 02:00 PM - 03:00 PM | 57.9 | 80.3 | 51.5 |
| 03:00 PM - 04:00 PM | 56.4 | 74.8 | 51.9 |
| 04:00 PM - 05:00 PM | 55.4 | 79.1 | 50.6 |
| 05:00 PM - 06:00 PM | 54.9 | 78.9 | 50.2 |
| 06:00 PM - 07:00 PM | 52.9 | 77.7 | 49.7 |
| 07:00 PM - 08:00 PM | 52.1 | 69.6 | 50.0 |
| 08:00 PM - 09:00 PM | 53.4 | 80.8 | 49.7 |
| 09:00 PM - 10:00 PM | 50.8 | 67.3 | 49.1 |
| 10:00 PM - 11:00 PM | 50.9 | 67.0 | 49.4 |
| 11:00 PM - 12:00 AM | 51.2 | 73.1 | 48.9 |
| 12:00 AM - 01:00 AM | 52.0 | 67.6 | 49.1 |
| 01:00 AM - 02:00 AM | 54.9 | 78.1 | 50.0 |
| 02:00 AM - 03:00 AM | 59.3 | 78.4 | 52.5 |
| 03:00 AM - 04:00 AM | 65.7 | 80.2 | 51.8 |
| 04:00 AM - 05:00 AM | 58.5 | 80.2 | 52.9 |
| 05:00 AM - 06:00 AM | 55.5 | 75.5 | 50.6 |
| 06:00 AM - 07:00 AM | 56.1 | 77.6 | 50.4 |
| 07:00 AM - 08:00 AM | 56.1 | 80.6 | 50.4 |
| 08:00 AM - 09:00 AM | 66.1 | 93.6 | 53.2 |
| 09:00 AM - 10:00 AM | 57.2 | 76.9 | 52.0 |

Leq Average 24 hrs. (dB(A))

59.4

Lmax (dB(A))

93.6

L90 (dB(A))

50.4

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 และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015789-1C5

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 2443461-13 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | โรงเรียนบ้านพรหม (GPS 47P 0735491, 1445328) |
| Measurement Date | May 29 - May 30, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 58.6 | 78.2 | 53.8 |
| 11:00 AM - 12:00 PM | 61.8 | 85.4 | 51.8 |
| 12:00 PM - 01:00 PM | 57.2 | 74.7 | 52.5 |
| 01:00 PM - 02:00 PM | 59.1 | 79.2 | 52.7 |
| 02:00 PM - 03:00 PM | 57.8 | 80.1 | 51.6 |
| 03:00 PM - 04:00 PM | 57.2 | 79.4 | 51.6 |
| 04:00 PM - 05:00 PM | 56.5 | 78.1 | 51.3 |
| 05:00 PM - 06:00 PM | 55.1 | 81.5 | 50.4 |
| 06:00 PM - 07:00 PM | 53.0 | 78.1 | 50.2 |
| 07:00 PM - 08:00 PM | 53.2 | 73.0 | 50.3 |
| 08:00 PM - 09:00 PM | 52.7 | 70.8 | 51.0 |
| 09:00 PM - 10:00 PM | 51.4 | 69.0 | 49.4 |
| 10:00 PM - 11:00 PM | 51.2 | 64.5 | 49.5 |
| 11:00 PM - 12:00 AM | 51.3 | 67.3 | 49.8 |
| 12:00 AM - 01:00 AM | 52.1 | 78.0 | 48.6 |
| 01:00 AM - 02:00 AM | 56.1 | 81.4 | 49.7 |
| 02:00 AM - 03:00 AM | 58.2 | 81.7 | 51.9 |
| 03:00 AM - 04:00 AM | 58.3 | 79.4 | 53.5 |
| 04:00 AM - 05:00 AM | 57.3 | 80.4 | 50.9 |
| 05:00 AM - 06:00 AM | 55.8 | 71.7 | 49.6 |
| 06:00 AM - 07:00 AM | 54.4 | 73.1 | 49.5 |
| 07:00 AM - 08:00 AM | 68.6 | 92.6 | 49.5 |
| 08:00 AM - 09:00 AM | 65.2 | 85.0 | 52.0 |
| 09:00 AM - 10:00 AM | 56.3 | 76.6 | 52.5 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 59.3 | | |
| Lmax (dB(A)) | | 92.6 | |
| L90 (dB(A)) | | | 50.9 |
| Ldn (dB(A)) | 63.3 | | |
| 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

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015790-1C6

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 2443461-14 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | โรงเรียนบ้านพรหม (GPS 47P 0735491, 1445328) |
| Measurement Date | May 30 - May 31, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734225 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 57.2 | 76.7 | 53.2 |
| 11:00 AM - 12:00 PM | 68.6 | 94.2 | 52.2 |
| 12:00 PM - 01:00 PM | 57.8 | 87.3 | 52.1 |
| 01:00 PM - 02:00 PM | 59.1 | 80.9 | 52.5 |
| 02:00 PM - 03:00 PM | 57.4 | 78.3 | 52.3 |
| 03:00 PM - 04:00 PM | 56.3 | 79.1 | 51.7 |
| 04:00 PM - 05:00 PM | 55.9 | 78.8 | 49.5 |
| 05:00 PM - 06:00 PM | 54.8 | 80.9 | 49.6 |
| 06:00 PM - 07:00 PM | 54.6 | 80.0 | 49.3 |
| 07:00 PM - 08:00 PM | 51.1 | 69.0 | 48.5 |
| 08:00 PM - 09:00 PM | 50.3 | 67.4 | 48.1 |
| 09:00 PM - 10:00 PM | 50.8 | 66.9 | 48.4 |
| 10:00 PM - 11:00 PM | 51.5 | 75.5 | 47.9 |
| 11:00 PM - 12:00 AM | 49.9 | 66.4 | 47.8 |
| 12:00 AM - 01:00 AM | 50.6 | 71.9 | 47.9 |
| 01:00 AM - 02:00 AM | 53.4 | 70.4 | 49.1 |
| 02:00 AM - 03:00 AM | 58.6 | 82.7 | 51.4 |
| 03:00 AM - 04:00 AM | 65.6 | 83.7 | 52.3 |
| 04:00 AM - 05:00 AM | 59.5 | 84.7 | 48.9 |
| 05:00 AM - 06:00 AM | 68.8 | 95.4 | 52.4 |
| 06:00 AM - 07:00 AM | 56.2 | 77.7 | 50.5 |
| 07:00 AM - 08:00 AM | 56.2 | 80.7 | 50.5 |
| 08:00 AM - 09:00 AM | 66.2 | 93.7 | 53.3 |
| 09:00 AM - 10:00 AM | 57.3 | 77.0 | 52.1 |

| | | | |
|-----------------------------|------|------|------|
| Leq Average 24 hrs. (dB(A)) | 61.0 | | |
| Lmax (dB(A)) | | 95.4 | |
| L90 (dB(A)) | | | 50.5 |
| 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 และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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TESTING
No.0042

Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015791-1C6

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 2443461-15 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บ้านบึงค้างคาว (GPS 47P 0738701, 1444162) |
| Measurement Date | May 24 - May 25, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734223 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 48.0 | 71.7 | 40.0 |
| 11:00 AM - 12:00 PM | 46.4 | 69.8 | 39.4 |
| 12:00 PM - 01:00 PM | 46.2 | 65.3 | 39.9 |
| 01:00 PM - 02:00 PM | 51.2 | 74.9 | 40.4 |
| 02:00 PM - 03:00 PM | 51.2 | 66.6 | 42.4 |
| 03:00 PM - 04:00 PM | 51.5 | 76.0 | 46.2 |
| 04:00 PM - 05:00 PM | 51.9 | 72.4 | 46.0 |
| 05:00 PM - 06:00 PM | 52.5 | 80.9 | 47.7 |
| 06:00 PM - 07:00 PM | 64.7 | 94.8 | 49.9 |
| 07:00 PM - 08:00 PM | 51.0 | 66.0 | 48.8 |
| 08:00 PM - 09:00 PM | 51.1 | 65.9 | 48.5 |
| 09:00 PM - 10:00 PM | 48.9 | 71.2 | 46.1 |
| 10:00 PM - 11:00 PM | 47.5 | 79.7 | 45.1 |
| 11:00 PM - 12:00 AM | 48.2 | 73.1 | 44.3 |
| 12:00 AM - 01:00 AM | 45.3 | 77.4 | 42.8 |
| 01:00 AM - 02:00 AM | 44.7 | 67.3 | 40.7 |
| 02:00 AM - 03:00 AM | 52.7 | 79.3 | 41.2 |
| 03:00 AM - 04:00 AM | 48.1 | 73.2 | 42.6 |
| 04:00 AM - 05:00 AM | 54.3 | 83.6 | 44.7 |
| 05:00 AM - 06:00 AM | 55.6 | 79.4 | 46.0 |
| 06:00 AM - 07:00 AM | 53.1 | 73.7 | 45.6 |
| 07:00 AM - 08:00 AM | 50.2 | 72.6 | 41.6 |
| 08:00 AM - 09:00 AM | 49.4 | 68.6 | 43.3 |
| 09:00 AM - 10:00 AM | 48.5 | 68.8 | 42.8 |

Leq Average 24 hrs. (dB(A))

53.8

Lmax (dB(A))

94.8

L90 (dB(A))

43.3

Ldn (dB(A))

58.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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โรงงาน พ.ศ. 2548

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER

13430-61/ EMAIL



TESTING
No.0042

Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015792-1C6

Page 1 of 1

| | |
|-------------------|---|
| Sample Number | 2443461-16 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บ้านบึงค้างคาว (GPS 47P 0738701, 1444162) |
| Measurement Date | May 25 - May 26, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734223 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 45.5 | 64.6 | 39.8 |
| 11:00 AM - 12:00 PM | 47.4 | 77.1 | 40.4 |
| 12:00 PM - 01:00 PM | 52.8 | 80.0 | 46.3 |
| 01:00 PM - 02:00 PM | 49.8 | 79.7 | 45.5 |
| 02:00 PM - 03:00 PM | 48.6 | 69.7 | 44.3 |
| 03:00 PM - 04:00 PM | 49.5 | 69.3 | 44.4 |
| 04:00 PM - 05:00 PM | 59.8 | 74.5 | 45.3 |
| 05:00 PM - 06:00 PM | 56.4 | 76.3 | 51.0 |
| 06:00 PM - 07:00 PM | 55.6 | 67.2 | 52.4 |
| 07:00 PM - 08:00 PM | 52.8 | 68.1 | 48.1 |
| 08:00 PM - 09:00 PM | 49.4 | 60.6 | 47.0 |
| 09:00 PM - 10:00 PM | 49.5 | 61.9 | 47.1 |
| 10:00 PM - 11:00 PM | 48.8 | 73.2 | 44.1 |
| 11:00 PM - 12:00 AM | 45.0 | 63.7 | 42.6 |
| 12:00 AM - 01:00 AM | 44.6 | 67.1 | 41.8 |
| 01:00 AM - 02:00 AM | 43.7 | 63.2 | 40.9 |
| 02:00 AM - 03:00 AM | 54.1 | 79.5 | 40.7 |
| 03:00 AM - 04:00 AM | 47.2 | 71.5 | 41.8 |
| 04:00 AM - 05:00 AM | 53.9 | 75.3 | 45.4 |
| 05:00 AM - 06:00 AM | 54.6 | 76.4 | 44.8 |
| 06:00 AM - 07:00 AM | 54.3 | 73.1 | 45.3 |
| 07:00 AM - 08:00 AM | 49.0 | 75.4 | 41.2 |
| 08:00 AM - 09:00 AM | 48.8 | 65.1 | 42.6 |
| 09:00 AM - 10:00 AM | 50.5 | 77.5 | 41.2 |

Leq Average 24 hrs. (dB(A))

52.4

Lmax (dB(A))

80.0

L90 (dB(A))

44.3

Ldn (dB(A))

58.1

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

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Life Sciences

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13430-61/ EMAIL



Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015793-1C6

Page 1 of 1

| | |
|-------------------|--|
| Sample Number | 2443461-17 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บ้านหนองค้างคาว (GPS 47P 0738701, 1444162) |
| Measurement Date | May 26 - May 27, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734223 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 47.8 | 72.1 | 40.4 |
| 11:00 AM - 12:00 PM | 49.6 | 66.5 | 40.4 |
| 12:00 PM - 01:00 PM | 51.6 | 75.5 | 41.4 |
| 01:00 PM - 02:00 PM | 46.2 | 64.0 | 40.4 |
| 02:00 PM - 03:00 PM | 48.4 | 70.4 | 42.3 |
| 03:00 PM - 04:00 PM | 52.3 | 71.4 | 46.0 |
| 04:00 PM - 05:00 PM | 53.4 | 70.3 | 45.1 |
| 05:00 PM - 06:00 PM | 51.6 | 76.5 | 46.4 |
| 06:00 PM - 07:00 PM | 50.2 | 70.3 | 47.4 |
| 07:00 PM - 08:00 PM | 49.4 | 67.7 | 46.5 |
| 08:00 PM - 09:00 PM | 55.3 | 74.2 | 45.4 |
| 09:00 PM - 10:00 PM | 48.4 | 73.4 | 44.8 |
| 10:00 PM - 11:00 PM | 46.4 | 72.8 | 43.3 |
| 11:00 PM - 12:00 AM | 46.4 | 74.7 | 41.4 |
| 12:00 AM - 01:00 AM | 44.9 | 65.7 | 41.6 |
| 01:00 AM - 02:00 AM | 43.7 | 74.3 | 39.9 |
| 02:00 AM - 03:00 AM | 44.3 | 67.4 | 40.4 |
| 03:00 AM - 04:00 AM | 48.1 | 76.3 | 41.8 |
| 04:00 AM - 05:00 AM | 57.0 | 76.9 | 45.8 |
| 05:00 AM - 06:00 AM | 53.2 | 72.1 | 48.6 |
| 06:00 AM - 07:00 AM | 52.5 | 73.0 | 45.5 |
| 07:00 AM - 08:00 AM | 49.0 | 80.1 | 42.9 |
| 08:00 AM - 09:00 AM | 49.0 | 66.8 | 42.0 |
| 09:00 AM - 10:00 AM | 48.6 | 75.1 | 41.9 |

Leq Average 24 hrs. (dB(A))

50.8

Lmax (dB(A))

80.1

L90 (dB(A))

42.3

Ldn (dB(A))

57.3

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

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report



TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015794-1C6

Page 1 of 1

| | |
|-------------------|--|
| Sample Number | 2443461-18 |
| Parameter | Noise (Leq 24 hrs.) |
| Location | บ้านหนองค้างคาว (GPS 47P 0738701, 1444162) |
| Measurement Date | May 27 - May 28, 2024 |
| Measurement by | Satcha Phetsawaeng |
| Sound Level meter | Serial No. 734223 |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 48.0 | 66.2 | 42.1 |
| 11:00 AM - 12:00 PM | 50.1 | 73.5 | 42.8 |
| 12:00 PM - 01:00 PM | 46.9 | 65.4 | 42.2 |
| 01:00 PM - 02:00 PM | 48.1 | 65.3 | 42.6 |
| 02:00 PM - 03:00 PM | 50.7 | 66.1 | 45.3 |
| 03:00 PM - 04:00 PM | 50.0 | 67.2 | 45.0 |
| 04:00 PM - 05:00 PM | 49.9 | 73.9 | 44.5 |
| 05:00 PM - 06:00 PM | 50.2 | 64.9 | 47.2 |
| 06:00 PM - 07:00 PM | 50.6 | 77.7 | 47.3 |
| 07:00 PM - 08:00 PM | 49.4 | 76.0 | 47.0 |
| 08:00 PM - 09:00 PM | 49.9 | 76.1 | 47.2 |
| 09:00 PM - 10:00 PM | 47.1 | 56.3 | 44.9 |
| 10:00 PM - 11:00 PM | 46.4 | 61.5 | 43.7 |
| 11:00 PM - 12:00 AM | 46.3 | 68.4 | 43.2 |
| 12:00 AM - 01:00 AM | 44.4 | 71.8 | 42.2 |
| 01:00 AM - 02:00 AM | 45.4 | 68.6 | 40.9 |
| 02:00 AM - 03:00 AM | 47.1 | 68.0 | 42.4 |
| 03:00 AM - 04:00 AM | 54.3 | 80.6 | 43.8 |
| 04:00 AM - 05:00 AM | 51.7 | 70.1 | 46.4 |
| 05:00 AM - 06:00 AM | 53.9 | 75.1 | 48.8 |
| 06:00 AM - 07:00 AM | 51.7 | 74.3 | 45.1 |
| 07:00 AM - 08:00 AM | 50.0 | 68.5 | 43.7 |
| 08:00 AM - 09:00 AM | 50.4 | 73.8 | 45.5 |
| 09:00 AM - 10:00 AM | 51.5 | 65.9 | 44.3 |

Leq Average 24 hrs. (dB(A))

50.0

Lmax (dB(A))

80.6

L90 (dB(A))

44.3

Ldn (dB(A))

56.8

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

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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TESTING
No.0042

Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015795-1C6

Page 1 of 1

Sample Number 2443461-19
Parameter Noise (Leq 24 hrs.)
Location บ้านหนองค้างคาว (GPS 47P 0738701, 1444162)
Measurement Date May 28 - May 29, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 734223

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 49.0 | 65.2 | 43.6 |
| 11:00 AM - 12:00 PM | 49.9 | 70.0 | 43.5 |
| 12:00 PM - 01:00 PM | 53.1 | 74.3 | 44.9 |
| 01:00 PM - 02:00 PM | 52.5 | 71.4 | 43.2 |
| 02:00 PM - 03:00 PM | 51.1 | 73.5 | 43.1 |
| 03:00 PM - 04:00 PM | 49.2 | 70.2 | 43.7 |
| 04:00 PM - 05:00 PM | 49.8 | 73.5 | 44.6 |
| 05:00 PM - 06:00 PM | 50.1 | 70.0 | 47.0 |
| 06:00 PM - 07:00 PM | 50.6 | 71.9 | 47.7 |
| 07:00 PM - 08:00 PM | 53.3 | 82.3 | 45.2 |
| 08:00 PM - 09:00 PM | 49.6 | 77.0 | 45.5 |
| 09:00 PM - 10:00 PM | 47.4 | 63.8 | 44.8 |
| 10:00 PM - 11:00 PM | 45.2 | 69.7 | 42.8 |
| 11:00 PM - 12:00 AM | 46.4 | 81.6 | 42.4 |
| 12:00 AM - 01:00 AM | 48.1 | 76.8 | 42.3 |
| 01:00 AM - 02:00 AM | 53.4 | 91.0 | 41.8 |
| 02:00 AM - 03:00 AM | 44.9 | 64.2 | 40.9 |
| 03:00 AM - 04:00 AM | 51.6 | 84.4 | 42.9 |
| 04:00 AM - 05:00 AM | 55.2 | 71.8 | 47.3 |
| 05:00 AM - 06:00 AM | 54.5 | 81.2 | 49.1 |
| 06:00 AM - 07:00 AM | 52.4 | 70.4 | 45.7 |
| 07:00 AM - 08:00 AM | 50.6 | 70.3 | 44.1 |
| 08:00 AM - 09:00 AM | 49.3 | 74.3 | 44.1 |
| 09:00 AM - 10:00 AM | 48.3 | 69.3 | 43.2 |

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

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

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

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TESTING
No.0042

Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015796-1C6

Page 1 of 1

Sample Number 2443461-20
Parameter Noise (Leq 24 hrs.)
Location บ้านหนองค้างคาว (GPS 47P 0738701, 1444162)
Measurement Date May 29 - May 30, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 734223

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 49.7 | 65.6 | 43.3 |
| 11:00 AM - 12:00 PM | 52.5 | 67.4 | 43.4 |
| 12:00 PM - 01:00 PM | 49.4 | 69.3 | 42.2 |
| 01:00 PM - 02:00 PM | 53.5 | 76.3 | 42.1 |
| 02:00 PM - 03:00 PM | 50.4 | 68.5 | 45.7 |
| 03:00 PM - 04:00 PM | 52.4 | 72.7 | 47.3 |
| 04:00 PM - 05:00 PM | 50.8 | 72.7 | 46.3 |
| 05:00 PM - 06:00 PM | 51.4 | 67.4 | 48.0 |
| 06:00 PM - 07:00 PM | 51.0 | 72.6 | 47.8 |
| 07:00 PM - 08:00 PM | 49.8 | 68.7 | 46.5 |
| 08:00 PM - 09:00 PM | 53.4 | 82.5 | 45.0 |
| 09:00 PM - 10:00 PM | 48.2 | 68.9 | 44.4 |
| 10:00 PM - 11:00 PM | 43.9 | 57.8 | 41.6 |
| 11:00 PM - 12:00 AM | 43.6 | 61.8 | 41.3 |
| 12:00 AM - 01:00 AM | 45.3 | 72.0 | 39.9 |
| 01:00 AM - 02:00 AM | 46.0 | 69.1 | 39.3 |
| 02:00 AM - 03:00 AM | 46.9 | 72.7 | 41.8 |
| 03:00 AM - 04:00 AM | 49.5 | 67.9 | 43.1 |
| 04:00 AM - 05:00 AM | 54.9 | 74.3 | 47.0 |
| 05:00 AM - 06:00 AM | 53.2 | 76.5 | 47.9 |
| 06:00 AM - 07:00 AM | 53.0 | 77.6 | 45.2 |
| 07:00 AM - 08:00 AM | 52.4 | 72.4 | 44.7 |
| 08:00 AM - 09:00 AM | 49.6 | 80.1 | 43.8 |
| 09:00 AM - 10:00 AM | 49.6 | 71.8 | 43.2 |

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

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

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand
21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2443461

Date Received : Jun 03, 2024

Date Reported : Jun 10, 2024

Report Number: 3015797-1C6

Page 1 of 1

Sample Number 2443461-21
Parameter Noise (Leq 24 hrs.)
Location บ้านหนองค้างคาว (GPS 47P 0738701, 1444162)
Measurement Date May 30 - May 31, 2024
Measurement by Satcha Phetsawaeng
Sound Level meter Serial No. 734223

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 10:00 AM - 11:00 AM | 50.3 | 68.2 | 40.5 |
| 11:00 AM - 12:00 PM | 51.3 | 72.9 | 42.4 |
| 12:00 PM - 01:00 PM | 47.0 | 67.3 | 41.5 |
| 01:00 PM - 02:00 PM | 47.8 | 65.8 | 43.3 |
| 02:00 PM - 03:00 PM | 50.1 | 66.9 | 43.9 |
| 03:00 PM - 04:00 PM | 51.4 | 71.4 | 45.2 |
| 04:00 PM - 05:00 PM | 50.2 | 71.5 | 46.0 |
| 05:00 PM - 06:00 PM | 52.4 | 85.9 | 48.5 |
| 06:00 PM - 07:00 PM | 58.6 | 86.3 | 47.2 |
| 07:00 PM - 08:00 PM | 49.4 | 79.4 | 45.8 |
| 08:00 PM - 09:00 PM | 48.9 | 65.4 | 44.9 |
| 09:00 PM - 10:00 PM | 49.7 | 69.0 | 44.2 |
| 10:00 PM - 11:00 PM | 46.2 | 79.8 | 43.0 |
| 11:00 PM - 12:00 AM | 50.7 | 79.0 | 40.1 |
| 12:00 AM - 01:00 AM | 43.1 | 61.9 | 39.7 |
| 01:00 AM - 02:00 AM | 43.3 | 68.5 | 39.6 |
| 02:00 AM - 03:00 AM | 45.3 | 67.2 | 40.3 |
| 03:00 AM - 04:00 AM | 49.6 | 77.8 | 41.0 |
| 04:00 AM - 05:00 AM | 51.3 | 76.7 | 44.8 |
| 05:00 AM - 06:00 AM | 54.0 | 69.9 | 47.1 |
| 06:00 AM - 07:00 AM | 53.3 | 83.1 | 44.4 |
| 07:00 AM - 08:00 AM | 49.8 | 66.8 | 43.8 |
| 08:00 AM - 09:00 AM | 50.1 | 70.2 | 47.3 |
| 09:00 AM - 10:00 AM | 49.3 | 67.6 | 46.4 |

Leq Average 24 hrs. (dB(A)) 51.1
Lmax (dB(A)) 86.3
L90 (dB(A)) 43.9
Ldn (dB(A)) 56.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการกฤษฎีกาว่าด้วยหลักเกณฑ์และวิธีการบริหารราชการแผ่นดิน พ.ศ. 2540
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

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ภาคผนวก ค-4

คุณภาพน้ำทิ้งจากระบบการผลิต



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 23144456
Date Received : Jan 08, 2024
Date Reported : Jan 15, 2024
Report Number : 2865773-1

Page 1 of 2

| | |
|-------------------------|--|
| Sample Number | 23144456-1 |
| Sampled Date | Jan 08, 2024 11:00 AM |
| Sample Description | Wastewater |
| Location | โรงพักน้ำทิ้งรวม |
| Date Analysis Commenced | Jan 08, 2024 |
| Condition of Sample | Contained in one amber glass bottle and two 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 | - | 2.0 | <2.0 | ≤500 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 15 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 15 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Dil & Grease | mg/L | - | 3 | <3 | ≤10 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 7.6 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 30.5 | ≤45 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 336 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤200 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant
Sampling By : Surawit Narapong เลขที่ใบอนุญาต ร-323-ร-0011

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
เลขที่ใบอนุญาต ร-323-ร-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
เลขที่ใบอนุญาต ร-323-ร-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 23144456
Date Received : Jan 08, 2024
Date Reported : Jan 15, 2024
Report Number : 2865773-1

Page 2 of 2

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
เลขที่ใบอนุญาต ร-323-ร-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
เลขที่ใบอนุญาต ร-323-ร-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042

Lot ID: 242254
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2880045-1

Page 1 of 2

| Sample Number | 242254-1 | | | | | | |
|--|--|-----|-----------|--------|---------------------------|--|------------------|
| Sampled Date | Feb 02, 2024 11:10 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | น้ำทิ้งจากโรงงาน | | | | | | |
| Date Analysis Commenced | Feb 02, 2024 | | | | | | |
| Condition of Sample | Contained in one amber glass bottle and two 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 | - | 2.0 | <2.0 | ≤500 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 15 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 15 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤10 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 7.8 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 30.7 | ≤45 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 300 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤200 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant
Sampling By : Narurat Thammasaro เลขที่ 3-323-9-9477

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
เลขที่ 3-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
เลขที่ 3-323-9-9442

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Analysis / Test Report

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Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042

Lot ID: 242254
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2880045-1

Page 2 of 2

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Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
เลขที่ 3-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
เลขที่ 3-323-9-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

TESTING
No.0042
Lot ID: 2422320
Date Received : Mar 05, 2024
Date Reported : Mar 12, 2024
Report Number : 2920495-1

Sample Number 2422320-1
Sampled Date Mar 05, 2024 10:55 AM
Sample Description Wastewater
Location โรงฟักน้ำพริก
Date Analysis Commenced Mar 05, 2024
Condition of Sample Contained in one amber glass bottle and two 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 | - | 2.0 | <2.0 | ≤500 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 19 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 18 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤10 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 7.8 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 32.1 | ≤45 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 472 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤200 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant
Sampling By : Nattawat Athomprommarat โทรณณเลขท 3-323-9-0006

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรณณเลขท 3-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรณณเลขท 3-323-9-9442

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TESTING

No.0042

Lot ID: 2422320

Date Received : Mar 05, 2024

Date Reported : Mar 12, 2024

Report Number : 2920495-1

Page 1 of 2



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

TESTING
No.0042
Lot ID: 2422320
Date Received : Mar 05, 2024
Date Reported : Mar 12, 2024
Report Number : 2920495-1

Remark :

- LOD : Limit of Detection
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Page 2 of 2



TESTING

No.0042

Lot ID: 2422320

Date Received : Mar 05, 2024

Date Reported : Mar 12, 2024

Report Number : 2920495-1

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรณณเลขท 3-323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรณณเลขท 3-323-9-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

TESTING
No.0042
Lot ID: 2433981
Date Received : Apr 04, 2024
Date Reported : Apr 11, 2024
Report Number : 2946432-1

Page 1 of 2

Sample Number 2433981-1
Sampled Date Apr 04, 2024 11:50 AM
Sample Description Wastewater
Location ปลวกน้ำพริก
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one amber glass bottle and two 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 | - | 2.0 | <2.0 | ≤500 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 15 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 13 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤10 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 7.8 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 32.5 | ≤45 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 300 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤200 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant
Sampling By : Narunat thammasaro โทรณณณณ 3-323-9-9477

Technical Management

Photchanna S.

Photchanna Seeda
Scientist (4)
โทรณณณณ 3-323-9-9446

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทรณณณณ 3-323-9-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

TESTING
No.0042
Lot ID: 2433981
Date Received : Apr 04, 2024
Date Reported : Apr 11, 2024
Report Number : 2946432-1

Page 2 of 2

Remark :
- LOD : Limit of Detection
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchanna S.

Photchanna Seeda
Scientist (4)
โทรณณณณ 3-323-9-9446

Approved by

D. Chongchon

Dej Changchon
Senior Manager
โทรณณณณ 3-323-9-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-1

Page 1 of 2

| Sample Number | 2444209-1 | | | | | | |
|--|--|-----|-----------|--------|---------------------------|--|------------------|
| Sampled Date | May 03, 2024 11:06 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | ปลวกแดง | | | | | | |
| Date Analysis Commenced | May 03, 2024 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten 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 | - | 2.0 | <2.0 | ≤500 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 12 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 10 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤10 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B | Rayong |
| pH at 25 degree C | - | - | - | 7.7 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 34.5 | ≤45 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 412 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤200 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant
Sampling By : Surawit Narapong โทร 09-0011 3-323-0011 , Samart Khumplhee โทร 09-0084 3-204-0084

Technical Management

N. Banphit

Narumon Banphongkit
Supervisor

โทร 09-0011 3-323-0-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทร 09-0011 3-323-0-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-1

Page 2 of 2

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- "<" : 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

N. Banphit

Narumon Banphongkit
Supervisor

โทร 09-0011 3-323-0-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทร 09-0011 3-323-0-9442

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-2

Page 1 of 5

| | |
|-------------------------|--|
| Sample Number | 2444209-1 |
| Sampled Date | May 03, 2024 11:06 AM |
| Sample Description | Wastewater |
| Location | ปลวกน้ำพื้งรวม |
| Date Analysis Commenced | May 06, 2024 |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|------|--------|-----------|--------------|---------------------------|---|------------------|
| Metals Testing | | | | | | | |
| Arsenic | mg/L | 0.0003 | 0.0005 | 0.002 | ≤0.25 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Barium | mg/L | 0.0003 | 0.0005 | 0.11 | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Cadmium | mg/L | 0.0003 | 0.0005 | Not Detected | ≤0.03 | 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 | 0.02 | ≤2.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Hexavalent Chromium | mg/L | 0.003 | 0.01 | Not Detected | ≤0.25 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B | Bangkok |
| Lead | mg/L | 0.0003 | 0.0005 | <0.0005 | ≤0.2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Manganese | mg/L | 0.0003 | 0.0005 | 0.06 | ≤5.0 | 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 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112 | Bangkok |

Technical Management

Chanatt L.

Chanattagam Imchom
Section Head

โทรศัพท์ ๖-204-๖-0008

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

โทรศัพท์ ๖-204-๖-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-2

Page 2 of 5

| | |
|-------------------------|--|
| Sample Number | 2444209-1 |
| Sampled Date | May 03, 2024 11:06 AM |
| Sample Description | Wastewater |
| Location | ปลวกน้ำพื้งรวม |
| Date Analysis Commenced | May 06, 2024 |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|--------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Nickel | mg/L | 0.0003 | 0.0005 | 0.007 | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Selenium | mg/L | 0.0003 | 0.0005 | Not Detected | ≤0.02 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Silver | mg/L | 0.0003 | 0.0005 | Not Detected | ≤1.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Trivalent Chromium * | mg/L | - | 0.01 | <0.01 | ≤0.75 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Zinc | mg/L | 0.003 | 0.005 | 0.20 | ≤5.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Pesticides - Organochlorine Group | | | | | | | |
| 2,4-DDD * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 2,4-DDE * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Technical Management

Chanatt L.

Chanattagam Imchom
Section Head

โทรศัพท์ ๖-204-๖-0008

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

โทรศัพท์ ๖-204-๖-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009

Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-2

Page 3 of 5

| | |
|-------------------------|--|
| Sample Number | 2444209-1 |
| Sampled Date | May 03, 2024 11:06 AM |
| Sample Description | Wastewater |
| Location | บ่อกักน้ำพื้ธรรมชาติ |
| Date Analysis Commenced | May 06, 2024 |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|------|-----------|--------------|---------------------------|--|------------------|
| Pesticides - Organochlorine Group | | | | | | | |
| 2,4-DDT * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 4,4-DDD * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 4,4-DDE * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 4,4-DDT * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Aldrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| alpha-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| beta-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Technical Management

Chanatt L.
Chanattagarn Imchom
Section Head
โทรศัพท์ ๖-204-๙-0008

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
โทรศัพท์ ๖-204-๙-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009

Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-2

Page 4 of 5

| | |
|-------------------------|--|
| Sample Number | 2444209-1 |
| Sampled Date | May 03, 2024 11:06 AM |
| Sample Description | Wastewater |
| Location | บ่อกักน้ำพื้ธรรมชาติ |
| Date Analysis Commenced | May 06, 2024 |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|------|-----------|--------------|---------------------------|--|------------------|
| Pesticides - Organochlorine Group | | | | | | | |
| Chlordane * | ug/L | 0.02 | 0.04 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| delta-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Dieldrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Endosulfan I * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Endosulfan II * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Endrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Heptachlor * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Technical Management

Chanatt L.
Chanattagarn Imchom
Section Head
โทรศัพท์ ๖-204-๙-0008

Approved by

Kanokkorn Anek
Kanokkorn Anek
Senior Manager
โทรศัพท์ ๖-204-๙-0004

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S:\Reports\AL_GL_๙๙ (9/20๙๙)



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009

Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-2

Page 5 of 5

| | |
|-------------------------|--|
| Sample Number | 2444209-1 |
| Sampled Date | May 03, 2024 11:06 AM |
| Sample Description | Wastewater |
| Location | ปลวกแดงฟาร์ม |
| Date Analysis Commenced | May 06, 2024 |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|------|-----------|--------------|---------------------------|--|------------------|
| Pesticides - Organochlorine Group | | | | | | | |
| Heptachlor-Epoxide * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Lindane (gamma-BHC) * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Methoxychlor * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong เลขที่ ๖-323-๖-0011, Samart Khumpline เลขที่ ๖-204-๖-0084

Remark :

- LOD : Limit of Detection
- "c" : 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

Chamatt L.

Chanattagam Imchom
Section Head

เลขที่ ๖-204-๖-0008

Approved by

Kanok Korn Anek

Kanok Korn Anek
Senior Manager

เลขที่ ๖-204-๖-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042

Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-3

Page 1 of 2

| | |
|-------------------------|--|
| Sample Number | 2444209-1 |
| Sampled Date | May 03, 2024 11:06 AM |
| Sample Description | Wastewater |
| Location | ปลวกแดงฟาร์ม |
| Date Analysis Commenced | May 04, 2024 |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|---------|------|-----|-----------|--------|---------------------------|--------|------------------|
|---------|------|-----|-----------|--------|---------------------------|--------|------------------|

Metals Testing

| | | | | | | | |
|----------|------|-------|-------|------|-------|---|---------|
| (A) Iron | mg/L | 0.003 | 0.005 | 0.32 | ≤10.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
|----------|------|-------|-------|------|-------|---|---------|

Pesticides - Organochlorine Group

| | | | | | | | |
|---------------------|------|------|------|--------------|--------------|--|---------|
| alpha-Chlordane * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| gamma-Chlordane * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Hexachlorobenzene * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Mirex * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Water Testing

| | | | | | | | |
|------------------------------|------|-------|------|------|-------------|---|---------|
| Anionic Surfactant as MBAS * | mg/L | 0.015 | 0.05 | 0.05 | ≤30 | Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5540 B, C | Bangkok |
| Chloride as Cl * | mg/L | 0.5 | 1 | 72 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D) | Rayong |

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Approved by

N. Banchongkit

Narumon Banchongkit
Supervisor

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-3

Page 2 of 2

| Sample Number | 2444209-1 | | | | | | |
|-------------------------|--|------|-----------|-----------|---------------------------|---|------------------|
| Sampled Date | May 03, 2024 11:06 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | บ่อกำจัดน้ำทิ้งรวม | | | | | | |
| Date Analysis Commenced | May 04, 2024 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Water Testing | | | | | | | |
| Fluoride | mg/L | 0.05 | 0.2 | 0.4 | ≤5 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C) | Rayong |
| Odour * | - | - | - | Odourless | Non Objectionable | TIS, 257-2549 | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant
Sampling By : Surawit Narapong , Samart Khumphlee

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantification) / LDR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

N. Banchoangkit

Narumon Banchoangkit
Supervisor

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-4

Page 1 of 2

| Sample Number | 2444209-1 | | | | | | |
|------------------------------|--|-------|-----------|--------------|---------------------------|--|------------------|
| Sampled Date | May 03, 2024 11:06 AM | | | | | | |
| Sample Description | Wastewater | | | | | | |
| Location | บ่อกำจัดน้ำทิ้งรวม | | | | | | |
| Date Analysis Commenced | May 03, 2024 | | | | | | |
| Condition of Sample | Contained in two glass vials, three amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |
| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
| Water Testing | | | | | | | |
| COD | mg/L | 1.5 | 25 | <25 | ≤750 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D | Rayong |
| Cyanide as HCN | mg/L | 0.001 | 0.005 | <0.005 | ≤0.2 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E) | Rayong |
| Formaldehyde | mg/L | 0.03 | 0.1 | Not Detected | ≤1 | Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004 | Rayong |
| Phenol | mg/L | 0.005 | 0.01 | <0.010 | ≤1 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D | Rayong |
| Residual Free Chlorine * | mg/L | - | 0.1 | <0.1 | ≤1 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F) | Rayong |
| Sulfide * | mg/L | - | 0.5 | <0.5 | ≤1.0 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F) | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 3.0 | ≤100 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D) | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant

Sampling By : Surawit Narapong เลขที่ใบอนุญาต ร-323-ร-0011 , Samart Khumphlee เลขที่ใบอนุญาต ร-204-ร-0084

Remark :
- LOD : Limit of Detection

Technical Management

N. Banchoangkit

Narumon Banchoangkit
Supervisor

เลขที่ใบอนุญาต ร-323-ร-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

เลขที่ใบอนุญาต ร-323-ร-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444209
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970047-4

Page 2 of 2

- "<" : 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.



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2457703
Date Received : Jun 07, 2024
Date Reported : Jun 14, 2024
Report Number : 2998892-1

Page 1 of 2

Sample Number 2457703-1
Sampled Date Jun 07, 2024 10:41 AM
Sample Description Wastewater
Location โรงบำบัดน้ำทิ้ง
Date Analysis Commenced Jun 07, 2024
Condition of Sample Contained in one amber glass bottle and two 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 | - | 2.0 | <2.0 | ≤500 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 14 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 13 | ≤600 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Oil & Grease | mg/L | - | 3 | <3 | ≤10 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B | Rayong |
| pH at 25 degree C | | - | - | 7.6 | 5.5-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 34.7 | ≤45 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 304 | ≤3000 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | <5 | ≤200 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the Industrial Estate Authority of Thailand No.76, B.E. 2560 : Criteria of wastewater characteristic from factory discharge to central wastewater Treatment Plant
Sampling By : Narurat thammassaro โทรเลขเลขที่ ๖-323-๙-9477

Technical Management

N. Banphat

Narumon Banchongkit
Supervisor
โทรเลขเลขที่ ๖-323-๙-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรเลขเลขที่ ๖-323-๙-9442

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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
โทรเลขเลขที่ ๖-323-๙-9449

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรเลขเลขที่ ๖-323-๙-9442

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Analysis / Test Report

Client : Gulf TSA Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location: GTS4

TESTING

No.0042

Lot ID: 2457703

Date Received : Jun 07, 2024

Date Reported : Jun 14, 2024

Report Number : 2998892-1

Page 2 of 2

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

Chontichak

Chonticha Subongkoch
Scientist (3)

โทรศัพท์ ๖-323-๙-9449

Approved by

D. Changchon

Dej Changchon
Senior Manager

โทรศัพท์ ๖-323-๙-9442

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ภาคผนวก ค-5

คุณภาพน้ำที่ระบายจากหอหล่อเย็น



Analysis / Test Report

Client : Gulf T54 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 23144457
Date Received : Jan 08, 2024
Date Reported : Jan 16, 2024
Report Number : 2865778-1

Page 1 of 2

Sample Number 23144457-1
Sampled Date Jan 08, 2024 10:50 AM
Sample Description Wastewater
Location ภาณุภัณฑ์พัฒนา
Date Analysis Commenced Jan 08, 2024
Condition of Sample Contained in one BOD bottle and four 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 | - | 2.0 | <2.0 | ≤20 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 17 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 16 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| pH at 25 degree C | | - | - | 7.9 | 5.5-9.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 29.0 | ≤40 | ≤34 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 892 | ≤3000 | ≤1300 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 6 | ≤50 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 D | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf T54 Co., Ltd.

Sampling By : Surawit Narapong หน่วยงานที่ 1-323-1-0011, Panupong Manit หน่วยงานที่ 1-204-1-8660

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.

Technical Management

N. Banongkit

Narumon Banhongkit
Supervisor

หน่วยงานที่ 1-323-1-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หน่วยงานที่ 1-323-1-9442

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 23144457
Date Received : Jan 08, 2024
Date Reported : Jan 16, 2024
Report Number : 2865778-1

Page 2 of 2

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

Technical Management

N. Banongkit

Narumon Banhongkit
Supervisor

หน่วยงานที่ 1-323-1-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

หน่วยงานที่ 1-323-1-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 23144457

Date Received : Jan 08, 2024
Date Reported : Jan 16, 2024
Report Number : 2865778-2

Page 1 of 1

Sample Number 23144457-1
Sampled Date Jan 08, 2024 10:50 AM
Sample Description Wastewater
Location โรงพักน้ำพลัดฝน
Date Analysis Commenced Jan 09, 2024
Condition of Sample Contained in one BOD bottle and four 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 | meq/L | 0.003 | 0.005 | 4.31 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium | meq/L | 0.003 | 0.005 | 1.38 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR | - | - | 0.10 | 4.15 | No Standard | 0-10 | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium | meq/L | 0.003 | 0.005 | 7.00 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | | |
| Chlorite | mg/L | 0.05 | 0.1 | 0.25 | No Standard | ≤1.0 | In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1 | Bangkok |
| Dissolved Oxygen | mg/L | - | 0.1 | 7.4 | No Standard | ≥4 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-C (C) | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Surawit Narapong รหัสประจำตัว ๓-323-๓-0011 , Panupong Manit รหัสประจำตัว ๓-204-๓-8600

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

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Approved by

Sawitree N.

Sawitree Naisangiam
Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING

No.0042

Lot ID: 242255

Date Received : Feb 02, 2024
Date Reported : Feb 10, 2024
Report Number : 2880046-1

Page 1 of 2

Sample Number 242255-1
Sampled Date Feb 02, 2024 10:50 AM
Sample Description Wastewater
Location โรงพักน้ำพลัดฝน
Date Analysis Commenced Feb 02, 2024
Condition of Sample Contained in one amber glass bottle and four 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 | - | 2.0 | <2.0 | ≤20 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 16 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 14 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| pH at 25 degree C | - | - | - | 8.3 | 5.5-9.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 30.1 | ≤40 | ≤34 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 828 | ≤3000 | ≤1300 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 13 | ≤50 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Narunat thammasaro รหัสประจำตัว ๓-323-๓-9477 , Samart Khumphhee รหัสประจำตัว ๓-204-๓-7830

Remark :
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Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor
รหัสประจำตัว ๓-323-๓-9445

Approved by

Dej Changchon

Dej Changchon
Senior Manager
รหัสประจำตัว ๓-323-๓-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 242255
Date Received : Feb 02, 2024
Date Reported : Feb 10, 2024
Report Number : 2880046-1

Page 2 of 2

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



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 242255
Date Received : Feb 02, 2024
Date Reported : Feb 10, 2024
Report Number : 2880046-2

Page 1 of 1

Sample Number 242255-1
Sampled Date Feb 02, 2024 10:50 AM
Sample Description Wastewater
Location ปลายน้ำคลองแสบ
Date Analysis Commenced Feb 05, 2024
Condition of Sample Contained in one amber glass bottle and four 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 | mg/L | 0.003 | 0.005 | 2.77 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium | mg/L | 0.003 | 0.005 | 0.85 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR | - | - | 0.10 | 6.08 | No Standard | 0-10 | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium | mg/L | 0.003 | 0.005 | 8.17 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | | |
| Chlorite | mg/L | 0.05 | 0.1 | Not Detected | No Standard | ≤1.0 | In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1 | Bangkok |
| Dissolved Oxygen | mg/L | - | 0.1 | 7.4 | No Standard | ≥4 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Narunat thammassaro โทรศัพท์ 323-9-9477, Samart Khumphilee โทรศัพท์ 204-9-7830

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

Technical Management

N. Banchookit

Narumon Banchookit
Supervisor
โทรศัพท์ 323-9-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัพท์ 323-9-9442

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Approved by

N. Banchookit

Narumon Banchookit
Supervisor

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2422321
Date Received : Mar 05, 2024
Date Reported : Mar 13, 2024
Report Number : 2920496-1

Page 1 of 2

| | |
|-------------------------|---|
| Sample Number | 2422321-1 |
| Sampled Date | Mar 05, 2024 11:11 AM |
| Sample Description | Wastewater |
| Location | บ่อกักน้ำพอลีน |
| Date Analysis Commenced | Mar 05, 2024 |
| Condition of Sample | Contained in one BOD bottle and four 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 | - | 2.0 | <2.0 | ≤20 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 22 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 20 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| pH at 25 degree C | | - | - | 7.9 | 5.5-9.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 31.5 | ≤40 | ≤34 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 860 | ≤3000 | ≤1300 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 6 | ≤50 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Nattawut Athomprommarat โทร: 09-323-9-0006 , Panupong Manit โทร: 09-204-9-0109

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.

Technical Management

N. Banongkit

Narumon Banongkit
Supervisor

โทร: 09-323-9-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

โทร: 09-323-9-9442

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13431-41/ (EHA)

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2422321
Date Received : Mar 05, 2024
Date Reported : Mar 13, 2024
Report Number : 2920496-1

Page 2 of 2

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

Technical Management

N. Banongkit

Narumon Banongkit
Supervisor

โทร: 09-323-9-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager

โทร: 09-323-9-9442

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13431-41/ (EHA)

S:\Reports\AL_2GL\pt (6:34PM)



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2422321
Date Received : Mar 05, 2024
Date Reported : Mar 13, 2024
Report Number : 2920496-2

Page 1 of 1

| | |
|-------------------------|---|
| Sample Number | 2422321-1 |
| Sampled Date | Mar 05, 2024 11:11 AM |
| Sample Description | Wastewater |
| Location | บ่อกำจัดน้ำเสีย |
| Date Analysis Commenced | Mar 06, 2024 |
| Condition of Sample | Contained in one BOD bottle and four 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 | mg/L | 0.003 | 0.005 | 3.85 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium | mg/L | 0.003 | 0.005 | 1.18 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR | - | - | - | 4.20 | No Standard | 0-10 | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium | mg/L | 0.003 | 0.005 | 6.66 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | | |
| Chlorite | mg/L | 0.05 | 0.1 | <0.10 | No Standard | ≤1.0 | In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1 | Bangkok |
| Dissolved Oxygen | mg/L | - | 0.1 | 6.1 | No Standard | ≥4 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Nattawut Athomprommarat รหัสประจำตัว 3-323-3-0006, Panupong Manit รหัสประจำตัว 3-204-3-0109

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

Approved by

Savitree N.
Savitree Nisangiam
Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042

Lot ID: 2433982
Date Received : Apr 04, 2024
Date Reported : Apr 12, 2024
Report Number : 2946434-1

Page 1 of 2

| | |
|-------------------------|---|
| Sample Number | 2433982-1 |
| Sampled Date | Apr 04, 2024 11:40 AM |
| Sample Description | Wastewater |
| Location | บ่อกำจัดน้ำเสีย |
| Date Analysis Commenced | Apr 04, 2024 |
| Condition of Sample | Contained in one BOD bottle and four 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 | - | 2.0 | <2.0 | ≤20 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 18 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 16 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| pH at 25 degree C | - | - | - | 7.9 | 5.5-9.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 34.0 | ≤40 | ≤34 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 728 | ≤3000 | ≤1300 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 11 | ≤50 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Narunat thamasaro รหัสประจำตัว 3-323-3-9477, Samart Khumphlee รหัสประจำตัว 3-204-3-0084

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.

Technical Management

Photchana S.
Photchana Seeda
Scientist (4)
รหัสประจำตัว 3-323-3-9446

Approved by

D. Changchon
Dej Changchon
Senior Manager
รหัสประจำตัว 3-323-3-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2433982
Date Received : Apr 04, 2024
Date Reported : Apr 12, 2024
Report Number : 2946434-1

Page 2 of 2

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



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2433982
Date Received : Apr 04, 2024
Date Reported : Apr 12, 2024
Report Number : 2946434-2

Page 1 of 1

Sample Number 2433982-1
Sample Date Apr 04, 2024 11:40 AM
Sample Description Wastewater
Location ปลายทางท่อปล่อย
Date Analysis Commenced Apr 05, 2024
Condition of Sample Contained in one BOD bottle and four 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 | meq/L | 0.003 | 0.005 | 2.86 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium | meq/L | 0.003 | 0.005 | 0.86 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR | - | - | - | 4.10 | No Standard | 0-10 | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium | meq/L | 0.003 | 0.005 | 5.59 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | | |
| Chlorite | mg/L | 0.05 | 0.1 | 0.18 | No Standard | ≤1.0 | In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1 | Bangkok |
| Dissolved Oxygen | mg/L | - | 0.1 | 6.4 | No Standard | ≥4 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Narunat Thammassaro โทรศัทพ์ ๖-323-๙-9477 , Samart Khumplhee โทรศัทพ์ ๖-204-๖-0084

Remark :

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
โทรศัทพ์ ๖-323-๙-9446

Approved by

D. Changchon

Dej Changchon
Senior Manager
โทรศัทพ์ ๖-323-๙-9442

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Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-1

Page 1 of 2

Sample Number 2444223-1
Sampled Date May 03, 2024 11:23 AM
Sample Description Wastewater
Location บ่อพักน้ำพอลิเอิน
Date Analysis Commenced May 03, 2024
Condition of Sample Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | - | 2.0 | <2.0 | ≤20 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 12 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 10 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| pH at 25 degree C | | - | - | 8.1 | 5.5-9.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 33.9 | ≤40 | ≤34 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 812 | ≤3000 | ≤1300 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 22 | ≤50 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Surawit Narapong โทรศัพท์ ๖-323-๙-0011 , Samart Khumphet โทรศัพท์ ๖-204-๙-0084

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.

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรศัพท์ ๖-323-๙-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
โทรศัพท์ ๖-323-๙-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-1

Page 2 of 2

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

Technical Management

N. Banphit

Narumon Banchongkit
Supervisor
โทรศัพท์ ๖-323-๙-9445

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
โทรศัพท์ ๖-323-๙-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 24442223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-2

Page 1 of 5

| | |
|-------------------------|---|
| Sample Number | 2444223-1 |
| Sampled Date | May 03, 2024 11:23 AM |
| Sample Description | Wastewater |
| Location | บ่อกักน้ำผิวดิน |
| Date Analysis Commenced | May 06, 2024 |
| Condition of Sample | Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | 0.004 | ≤0.25 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Barium | mg/L | 0.0003 | 0.0005 | 0.26 | ≤1.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Cadmium | mg/L | 0.0003 | 0.0005 | Not Detected | ≤0.03 | 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 | 0.007 | ≤2.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Hexavalent Chromium | mg/L | 0.003 | 0.01 | Not Detected | ≤0.25 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B | Bangkok |
| Lead | mg/L | 0.0003 | 0.0005 | 0.002 | ≤0.20 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Manganese | mg/L | 0.0003 | 0.0005 | 0.15 | ≤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 |
| 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 |

Technical Management

Chanatt L.

Chanattagam Imchom
Section Head
โทรศัพท์ 7-204-2-0008

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
โทรศัพท์ 7-204-2-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 24442223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-2

Page 2 of 5

| | |
|-------------------------|---|
| Sample Number | 2444223-1 |
| Sampled Date | May 03, 2024 11:23 AM |
| Sample Description | Wastewater |
| Location | บ่อกักน้ำผิวดิน |
| Date Analysis Commenced | May 06, 2024 |
| Condition of Sample | Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | | | | | | | | |
| Nickel | mg/L | 0.0003 | 0.0005 | 0.02 | ≤1.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Selenium | mg/L | 0.0003 | 0.0005 | <0.0005 | ≤0.02 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Trivalent Chromium * | mg/L | - | 0.01 | <0.01 | ≤0.75 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F | Bangkok |
| Zinc | mg/L | 0.003 | 0.005 | 0.59 | ≤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 |
| Pesticides - Organochlorine Group | | | | | | | | |
| 2,4-DDD * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 2,4-DDE * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 2,4-DDT * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Technical Management

Chanatt L.

Chanattagam Imchom
Section Head
โทรศัพท์ 7-204-2-0008

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
โทรศัพท์ 7-204-2-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-2

Page 3 of 5

Sample Number 2444223-1
Sampled Date May 03, 2024 11:23 AM
Sample Description Wastewater
Location บ่อพักน้ำพลัดเนิน
Date Analysis Commenced May 06, 2024
Condition of Sample Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | | | | | | | | |
| 4,4-DDD * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 4,4-DDE * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| 4,4-DDT * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Aldrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| alpha-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| beta-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Chlordane * | ug/L | 0.02 | 0.04 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head

ทะเบียนเลขที่ ๖-204-๙-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ๖-204-๙-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-2

Page 4 of 5

Sample Number 2444223-1
Sampled Date May 03, 2024 11:23 AM
Sample Description Wastewater
Location บ่อพักน้ำพลัดเนิน
Date Analysis Commenced May 06, 2024
Condition of Sample Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | | | | | | | | |
| delta-BHC * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Dieldrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Endosulfan I * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Endosulfan II * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Endrin * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Heptachlor * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Heptachlor-Epoxide * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head

ทะเบียนเลขที่ ๖-204-๙-0008

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ๖-204-๙-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-2

Page 5 of 5

Sample Number 2444223-1
Sampled Date May 03, 2024 11:23 AM
Sample Description Wastewater
Location ปลายทางท่อเดิน
Date Analysis Commenced May 06, 2024
Condition of Sample Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | | | | | | | | |
| Lindane (gamma-BHC) * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Methoxychlor * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Surawit Narapong โทรณณณณณ 323-2-0011, Samart Khumphlee โทรณณณณณ 204-2-0084

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

Chanatt L.

Chanattagam Imchom
Section Head
โทรณณณณณ 204-2-0008

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
โทรณณณณณ 204-2-0004

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-3

Page 1 of 2

Sample Number 2444223-1
Sampled Date May 03, 2024 11:23 AM
Sample Description Wastewater
Location ปลายทางท่อเดิน
Date Analysis Commenced May 04, 2024
Condition of Sample Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | meq/L | 0.003 | 0.005 | 4.19 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium | meq/L | 0.003 | 0.005 | 1.27 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium | meq/L | 0.003 | 0.005 | 5.82 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Pesticides - Organochlorine Group | | | | | | | | |
| alpha-Chlordane * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| gamma-Chlordane * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Hexachlorobenzene * | ug/L | 0.01 | 0.02 | Not Detected | Not Detected | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Mirex * | ug/L | 0.01 | 0.02 | Not Detected | No Standard | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 6630 D, part 6410 B | Bangkok |
| Water Testing | | | | | | | | |
| Odour * | | - | - | Odourless | No Standard | No Standard | TIS, 257-2549 | Rayong |

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Chanatt L.

Chanattagam Imchom
Section Head

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0009
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-3

Page 2 of 2

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Surawit Narapong ทะเบียนเลขที่ 1-323-1-0011 , Samart Khumphilee ทะเบียนเลขที่ 1-204-1-0084

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.



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-4

Page 1 of 2

Sample Number : 2444223-1
Sample Date : May 03, 2024 11:23 AM
Sample Description : Wastewater
Location : บ่อกำจัดน้ำเสีย
Date Analysis Commenced : May 03, 2024
Condition of Sample : Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | | | | | | | | |
| COD | mg/L | 1.5 | 25 | 43 | ≤120 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D | Rayong |
| Cyanide as CN | mg/L | 0.001 | 0.005 | <0.005 | ≤0.2 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E) | Rayong |
| Formaldehyde | mg/L | 0.03 | 0.1 | Not Detected | ≤1.0 | No Standard | Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004 | Rayong |
| 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 | Rayong |
| Phenol | mg/L | 0.005 | 0.01 | Not Detected | ≤1.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D | Rayong |
| Residual Free Chlorine * | mg/L | - | 0.1 | <0.1 | ≤1.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F) | Rayong |
| Sulfide * | mg/L | - | 0.5 | <0.5 | ≤1.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F) | Rayong |
| Total Kjeldahl Nitrogen as N | mg/L | - | 1.0 | 2.0 | ≤100 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D) | Rayong |

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Chanatt L.
Chanattagarn Imchom
Section Head

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Technical Management

N. Banchongkit
Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ 1-323-1-9445

Approved by

Dej Changchon
Dej Changchon
Senior Manager
ทะเบียนเลขที่ 1-323-1-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-4

Page 2 of 2

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Surawit Narapong รหัสประจำตัว 3-323-3-0011 , Samart Khumplhee รหัสประจำตัว 3-204-3-0084

Remark :

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- "<" : 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.



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444223
Date Received : May 03, 2024
Date Reported : May 11, 2024
Report Number : 2970054-5

Page 1 of 1

Sample Number : 2444223-1
Sampled Date : May 03, 2024 11:23 AM
Sample Description : Wastewater
Location : บ่อกักน้ำผิวดิน
Date Analysis Commenced : May 06, 2024
Condition of Sample : Contained in one BOD bottle, two glass vials, three amber glass bottles and nine 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 | | | | | | | | |
| SAR | | - | 0.10 | 3.52 | No Standard | 0-10 | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | | |
| Chlorite | mg/L | 0.05 | 0.1 | <0.10 | No Standard | ≤1.0 | In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1 | Bangkok |
| Dissolved Oxygen | mg/L | - | 0.1 | 6.7 | No Standard | ≥4 | Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500-D (C) | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Surawit Narapong รหัสประจำตัว 3-323-3-0011 , Samart Khumplhee รหัสประจำตัว 3-204-3-0084

Remark :

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

Technical Management

N. Banongkit

Narumon Banchongkit
Supervisor

รหัสประจำตัว 3-323-3-9445

Approved by

D. Changchon

Dej Changchon
Senior Manager

รหัสประจำตัว 3-323-3-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2457704
Date Received : Jun 07, 2024
Date Reported : Jun 14, 2024
Report Number : 2998907-1

Page 1 of 2

| | |
|-------------------------|---|
| Sample Number | 2457704-1 |
| Sampled Date | Jun 07, 2024 10:31 AM |
| Sample Description | Wastewater |
| Location | บ่อกักน้ำพลูแดน |
| Date Analysis Commenced | Jun 07, 2024 |
| Condition of Sample | Contained in one BOD bottle and four 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 | - | 2.0 | <2.0 | ≤20 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G | Rayong |
| Color (at Original pH) | ADMI | - | 5 | 22 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| Color (at pH 7.0) | ADMI | - | 5 | 20 | ≤300 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F | Rayong |
| pH at 25 degree C | | - | - | 8.1 | 5.5-9.0 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 33.3 | ≤40 | ≤34 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 992 | ≤3000 | ≤1300 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 15 | ≤50 | No Standard | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

Sampling By : Narurat thammassaro ทรนฤตาธรรมสาร รว-323-ร-9477, Kardbundi Kitisupavanit ทรณบดีกิตติสุพานิต รว-204-ร-0001

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LDR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทรณชนเสิดา รว-323-ร-9446

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
ทรณชนชน รว-323-ร-9442

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2457704
Date Received : Jun 07, 2024
Date Reported : Jun 14, 2024
Report Number : 2998907-1

Page 2 of 2

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทรณชนเสิดา รว-323-ร-9446

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
ทรณชนชน รว-323-ร-9442

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong
Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

TESTING
No.0009
Lot ID: 2457704
Date Received : Jun 07, 2024
Date Reported : Jun 15, 2024
Report Number : 2998907-2

Page 1 of 1

Sample Number : 2457704-1
Sampled Date : Jun 07, 2024 10:31 AM
Sample Description : Wastewater
Location : ปลายทางท่อเดิน
Date Analysis Commenced : Jun 10, 2024
Condition of Sample : Contained in one BOD bottle and four 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 | meq/L | 0.003 | 0.005 | 4.62 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium | meq/L | 0.003 | 0.005 | 1.40 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR * | - | - | 0.10 | 3.66 | No Standard | 0-10 | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium | meq/L | 0.003 | 0.005 | 6.34 | No Standard | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | | |
| Chlorite * | mg/L | 0.05 | 0.1 | Not Detected | No Standard | ≤1.0 | In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1 | Bangkok |
| Dissolved Oxygen * | mg/L | - | 0.1 | 6.3 | No Standard | ≥4 | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |

Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Environmental Impact Assessment Report of Gulf T54 Co., Ltd.

Sampling By : Narunat thammassaro , Kardbundit Kitisupavanit

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.

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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ภาคผนวก ค-6

คุณภาพน้ำผิวดิน



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location: GTS4



TESTING
No.0042

Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 1 of 12

Sample Number 2432508-1
Sampled Date Apr 04, 2024 2:25 PM
Sample Description Surface water
Location คลองท่า เพลิดเพลินพืชมาร 200 เมตร
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|----------|-------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Calcium * | mg/L | 0.003 | 0.005 | 1.66 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium * | mg/L | 0.003 | 0.005 | 0.52 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR * | - | - | - | 3.62 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium * | mg/L | 0.003 | 0.005 | 3.78 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | |
| BOD * | mg/L | - | 2 | 10.7 | ≤4 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C | Rayong |
| 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 |
| Dissolved Oxygen * | mg/L | - | 0.1 | 2.6 | ≥2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |
| pH at 25 degree C | - | - | - | 8.2 | 5.0-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 36.0 | n ^o | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |

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Approved by

Dej Changchon
Senior Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location: GTS4



TESTING
No.0042

Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 2 of 12

Sample Number 2432508-1
Sampled Date Apr 04, 2024 2:25 PM
Sample Description Surface water
Location คลองท่า เพลิดเพลินพืชมาร 200 เมตร
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 444 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C * | mg/L | - | 5 | 18 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the National Environmental Board, No. B, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n^o: Change from Natural condition not more than 3 degree C
Sampled By : Nanunat thamasaro

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DSS Accreditation No. 0009.

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Senior Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location: GTS4



TESTING
No.0042
Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 3 of 12

Sample Number 2432508-2
Sampled Date Apr 04, 2024 2:45 PM
Sample Description Surface water
Location คลองระบอง เขตคลองเตย กรุงเทพมหานคร 200 เมตร
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|----------|-------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Calcium * | mg/L | 0.003 | 0.005 | 1.09 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium * | mg/L | 0.003 | 0.005 | 0.40 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR * | - | - | - | 4.60 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium * | mg/L | 0.003 | 0.005 | 3.96 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | |
| BOD * | mg/L | - | 2 | <2.0 | ≤4 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C | Rayong |
| 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 |
| Dissolved Oxygen * | mg/L | - | 0.1 | 6.8 | ≥2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |
| pH at 25 degree C | - | - | - | 7.9 | 5.0-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 33.6 | n ¹ | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |

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Approved by

Dej Changchon
Senior Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location: GTS4



TESTING
No.0042
Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 4 of 12

Sample Number 2432508-2
Sampled Date Apr 04, 2024 2:45 PM
Sample Description Surface water
Location คลองระบอง เขตคลองเตย กรุงเทพมหานคร 200 เมตร
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 344 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C * | mg/L | - | 5 | 6 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n¹: Change from Natural condition not more than 3 degree C
Sampled By : Narunat thamasaro

Remark :

- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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

Dej Changchon
Senior Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location: GTS4



TESTING
No.0042

Lot ID: 2432508

Date Received : Apr 04, 2024

Date Reported : Apr 19, 2024

Report Number : 2944428-1 C6

Page 5 of 12

| | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|
| Sample Number | 2432508-3 | | | | | | |
| Sampled Date | Apr 04, 2024 2:00 PM | | | | | | |
| Sample Description | Surface water | | | | | | |
| Location | คลองท่า หล้าหน้าจุดทิ้งน้ำของโรงงาน 200 เมตร | | | | | | |
| Date Analysis Commenced | Apr 04, 2024 | | | | | | |
| Condition of Sample | Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|----------|-------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Calcium * | mg/L | 0.003 | 0.005 | 2.01 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium * | mg/L | 0.003 | 0.005 | 0.61 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR * | - | - | - | 3.95 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium * | mg/L | 0.003 | 0.005 | 4.52 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | |
| BOD * | mg/L | - | 2 | <2.0 | ≤4 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C | Rayong |
| 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 |
| Dissolved Oxygen * | mg/L | - | 0.1 | 4.7 | ≥2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |
| pH at 25 degree C | - | - | - | 7.7 | 5.0-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 33.1 | n' | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |

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Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Puakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location: GTS4



TESTING
No.0042

Lot ID: 2432508

Date Received : Apr 04, 2024

Date Reported : Apr 19, 2024

Report Number : 2944428-1 C6

Page 6 of 12

| | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|
| Sample Number | 2432508-3 | | | | | | |
| Sampled Date | Apr 04, 2024 2:00 PM | | | | | | |
| Sample Description | Surface water | | | | | | |
| Location | คลองท่า หล้าหน้าจุดทิ้งน้ำของโรงงาน 200 เมตร | | | | | | |
| Date Analysis Commenced | Apr 04, 2024 | | | | | | |
| Condition of Sample | Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 524 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C * | mg/L | - | 5 | 7 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 Issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n: Change from Natural condition not more than 3 degree C
Sampled By : Narunat thamasaro

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DSS Accreditation No. 0009.

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Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Puakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042

Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 7 of 12

Sample Number 2432508-1
Sampled Date Apr 04, 2024 3:15 PM
Sample Description Surface water
Location คลองระบอง หลังท่าอากาศยานดอนเมือง 200 เมตร
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|----------|-------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Calcium * | mg/L | 0.003 | 0.005 | 1.76 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium * | mg/L | 0.003 | 0.005 | 0.61 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR * | - | - | - | 2.69 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium * | mg/L | 0.003 | 0.005 | 2.93 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | |
| BOD * | mg/L | - | 2 | <2.0 | ≤4 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C | Rayong |
| 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 |
| Dissolved Oxygen * | mg/L | - | 0.1 | 5.9 | ≥2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |
| pH at 25 degree C | - | - | - | 7.6 | 5.0-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 32.3 | n ^o | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |

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D. Changchon

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Huakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042

Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 8 of 12

Sample Number 2432508-4
Sampled Date Apr 04, 2024 3:15 PM
Sample Description Surface water
Location คลองระบอง หลังท่าอากาศยานดอนเมือง 200 เมตร
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 396 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C * | mg/L | - | 5 | 158 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 Issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n: Change from Natural condition not more than 3 degree C
Sampled By : Narunat thammassaro

Remark :

- LOD : Limit of Detection
- "e" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DSS Accreditation No. 0009.

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D. Changchon

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Huakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location: GTS4



TESTING
No.0042

Lot ID: 2432508

Date Received : Apr 04, 2024

Date Reported : Apr 19, 2024

Report Number : 2944428-1 C6

Page 9 of 12

| | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|
| Sample Number | 2432508-5 | | | | | | |
| Sampled Date | Apr 04, 2024 3:35 PM | | | | | | |
| Sample Description | Surface water | | | | | | |
| Location | อ่างเก็บน้ำหนองปลาไหล ห่างจากปากคลองระบองเพชร 2 กม. | | | | | | |
| Date Analysis Commenced | Apr 04, 2024 | | | | | | |
| Condition of Sample | Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|----------|-------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Calcium * | meq/L | 0.003 | 0.005 | 0.99 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium * | meq/L | 0.003 | 0.005 | 0.34 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR * | - | - | - | 1.82 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium * | meq/L | 0.003 | 0.005 | 1.49 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | |
| BOD * | mg/L | - | 2 | 3.5 | ≤4 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C | Rayong |
| 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 |
| Dissolved Oxygen * | mg/L | - | 0.1 | 8.1 | ≥2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - O (C) | Rayong |
| pH at 25 degree C | - | - | - | 8.4 | 5.0-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 34.3 | n' | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |

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Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330

P/O : GTS4-4210500514

Project Name : Monitoring EIA

Project Location: GTS4



TESTING
No.0042

Lot ID: 2432508

Date Received : Apr 04, 2024

Date Reported : Apr 19, 2024

Report Number : 2944428-1 C6

Page 10 of 12

| | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|
| Sample Number | 2432508-5 | | | | | | |
| Sampled Date | Apr 04, 2024 3:35 PM | | | | | | |
| Sample Description | Surface water | | | | | | |
| Location | อ่างเก็บน้ำหนองปลาไหล ห่างจากปากคลองระบองเพชร 2 กม. | | | | | | |
| Date Analysis Commenced | Apr 04, 2024 | | | | | | |
| Condition of Sample | Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) | | | | | | |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 180 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C * | mg/L | - | 5 | 35 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 Issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n: Change from Natural condition not more than 3 degree C
Sampled By : Narunat thammassaro

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DSS Accreditation No. 0009.

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Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Phrakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 11 of 12

Sample Number 2432508-6
Sampled Date Apr 04, 2024 3:50 PM
Sample Description Surface water
Location อ่างเก็บน้ำหนองปลาไหล ทางจากท่าอากาศยานสุวรรณภูมิ 4 กม
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|-----------------------|----------|-------|-----------|--------------|---------------------------|--|------------------|
| Metals Testing | | | | | | | |
| Calcium * | mg/L | 0.003 | 0.005 | 0.94 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Magnesium * | mg/L | 0.003 | 0.005 | 0.33 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| SAR * | - | - | - | 1.80 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Sodium * | mg/L | 0.003 | 0.005 | 1.43 | No Standard | In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7 | Bangkok |
| Water Testing | | | | | | | |
| BOD * | mg/L | - | 2 | 2.5 | ≤4 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C | Rayong |
| 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 |
| Dissolved Oxygen * | mg/L | - | 0.1 | 6.1 | ≥2 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C) | Rayong |
| pH at 25 degree C | - | - | - | 8.4 | 5.0-9.0 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Rayong |
| Temperature * | Degree C | - | - | 34.6 | n' | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B | Rayong |

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Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Muakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
87 M.Thai Tower All Season Place, 11th Floor, Wireless Road, Lumpini, Pathumwan,
Bangkok Thailand 10330
P/O : GTS4-4210500514
Project Name : Monitoring EIA
Project Location : GTS4



TESTING
No.0042
Lot ID: 2432508
Date Received : Apr 04, 2024
Date Reported : Apr 19, 2024
Report Number : 2944428-1 C6

Page 12 of 12

Sample Number 2432508-6
Sampled Date Apr 04, 2024 3:50 PM
Sample Description Surface water
Location อ่างเก็บน้ำหนองปลาไหล ทางจากท่าอากาศยานสุวรรณภูมิ 4 กม
Date Analysis Commenced Apr 04, 2024
Condition of Sample Contained in one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Dissolved Solids Dried at 180 degree C | mg/L | - | 5 | 198 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Rayong |
| Total Suspended Solids Dried at 103-105 degree C * | mg/L | - | 5 | 45 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Rayong |

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 Issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n: Change from Natural condition not more than 3 degree C
Sampled By : Narunat thammassaro

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DSS Accreditation No. 0009.

Approved by

Dej Changchon
Senior Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Muakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556

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ภาคผนวก ค-7

ระดับเสียงภายในสถานประกอบการ



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502169

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 246692

Date Received : Feb 15, 2024

Date Reported : Feb 20, 2024

Report Number: 2915686-1

Page 1 of 1

Sample Number : 246692-1
Parameter : Noise (Leq 8 hrs.)
Location : บั๊วว Coolong Tower
Measurement Date : Feb 14, 2024
Measurement by : Chanon Booncheun

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:30 AM - 10:30 AM | 77.6 | 80.3 | 77.4 |
| 10:30 AM - 11:30 AM | 77.5 | 83.8 | 77.4 |
| 11:30 AM - 12:30 PM | 77.4 | 77.9 | 77.3 |
| 12:30 PM - 01:30 PM | 77.4 | 80.8 | 77.3 |
| 01:30 PM - 02:30 PM | 77.4 | 79.2 | 77.3 |
| 02:30 PM - 03:30 PM | 77.4 | 78.2 | 77.3 |
| 03:30 PM - 04:30 PM | 77.4 | 77.9 | 77.3 |
| 04:30 PM - 05:30 PM | 77.4 | 79.4 | 77.3 |

Leq Average 8 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับผลกระทบด้านเสียง พ.ศ.๒๕๖๖



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502169

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 246692

Date Received : Feb 15, 2024

Date Reported : Feb 20, 2024

Report Number: 2915687-1

Page 1 of 1

Sample Number : 246692-2
Parameter : Noise (Leq 8 hrs.)
Location : บั๊วว Boiler Feed Pump
Measurement Date : Feb 14, 2024
Measurement by : Chanon Booncheun

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:20 AM - 10:20 AM | 80.1 | 82.6 | 79.8 |
| 10:20 AM - 11:20 AM | 80.8 | 84.5 | 79.8 |
| 11:20 AM - 12:20 PM | 83.4 | 99.7 | 81.5 |
| 12:20 PM - 01:20 PM | 82.2 | 83.5 | 82.0 |
| 01:20 PM - 02:20 PM | 82.1 | 83.7 | 81.9 |
| 02:20 PM - 03:20 PM | 82.2 | 85.3 | 81.9 |
| 03:20 PM - 04:20 PM | 82.3 | 83.9 | 82.1 |
| 04:20 PM - 05:20 PM | 83.0 | 99.3 | 81.1 |

Leq Average 8 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

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ในการประกอบกิจการโรงงานเกี่ยวกับผลกระทบด้านเสียง พ.ศ.๒๕๖๖

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502169

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 246692

Date Received : Feb 15, 2024

Date Reported : Feb 20, 2024

Report Number: 2915688-1

Page 1 of 1

| | |
|------------------|---------------------|
| Sample Number | 246692-3 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Gas Metering |
| Measurement Date | Feb 14, 2024 |
| Measurement by | Chanon Booncheun |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------------|--|--------------|-------------|
| 09:21 AM - 10:21 AM | 65.3 | 74.7 | 65.0 |
| 10:21 AM - 11:21 AM | 65.4 | 82.5 | 65.0 |
| 11:21 AM - 12:21 PM | 65.4 | 83.5 | 64.8 |
| 12:21 PM - 01:21 PM | 65.0 | 81.3 | 64.5 |
| 01:21 PM - 02:21 PM | 65.0 | 74.1 | 64.6 |
| 02:21 PM - 03:21 PM | 65.2 | 83.1 | 64.6 |
| 03:21 PM - 04:21 PM | 64.9 | 65.9 | 64.7 |
| 04:21 PM - 05:21 PM | 65.2 | 69.8 | 64.9 |
| Leq Average 8 hrs. (dB(A)) | 65.2 | | |
| Lmax (dB(A)) | | 83.5 | |
| Standard (dB(A)) | 85 | 140 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมความดังของ ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖ | | |



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502169

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 246692

Date Received : Feb 15, 2024

Date Reported : Feb 20, 2024

Report Number: 2915689-1

Page 1 of 1

| | |
|------------------|--|
| Sample Number | 246692-4 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Gas Turbine Accessories System (ฝั่งกลางระหว่าง GTG 11 และ GTG12) |
| Measurement Date | Feb 14, 2024 |
| Measurement by | Chanon Booncheun |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------------|--|--------------|-------------|
| 09:37 AM - 10:37 AM | 78.6 | 79.9 | 78.1 |
| 10:37 AM - 11:37 AM | 78.3 | 79.9 | 77.9 |
| 11:37 AM - 12:37 PM | 77.8 | 79.2 | 77.2 |
| 12:37 PM - 01:37 PM | 77.4 | 79.1 | 76.9 |
| 01:37 PM - 02:37 PM | 77.4 | 79.1 | 76.9 |
| 02:37 PM - 03:37 PM | 77.7 | 79.2 | 77.2 |
| 03:37 PM - 04:37 PM | 78.0 | 79.2 | 77.5 |
| 04:37 PM - 05:37 PM | 78.1 | 79.5 | 77.7 |
| Leq Average 8 hrs. (dB(A)) | 77.9 | | |
| Lmax (dB(A)) | | 79.9 | |
| Standard (dB(A)) | 85 | 140 | |
| Reference Method | ISO1996-1 and 1996-2 | | |
| Standard | Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมความดังของ ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖ | | |

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502169

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 246692

Date Received : Feb 15, 2024

Date Reported : Feb 20, 2024

Report Number: 2915691-1

Page 1 of 1

| | |
|------------------|------------------------------------|
| Sample Number | 246692-6 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Steam Turbine Lube Oil Skid |
| Measurement Date | Feb 14, 2024 |
| Measurement by | Chanon Booncheun |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------------|---|--------------|-------------|
| 09:39 AM - 10:39 AM | 74.6 | 91.0 | 74.1 |
| 10:39 AM - 11:39 AM | 74.6 | 77.9 | 74.1 |
| 11:39 AM - 12:39 PM | 74.5 | 77.6 | 74.0 |
| 12:39 PM - 01:39 PM | 73.8 | 76.0 | 73.1 |
| 01:39 PM - 02:39 PM | 74.1 | 76.1 | 73.4 |
| 02:39 PM - 03:39 PM | 74.1 | 75.3 | 73.4 |
| 03:39 PM - 04:39 PM | 74.1 | 75.3 | 73.5 |
| 04:39 PM - 05:39 PM | 74.0 | 75.2 | 73.4 |
| Leq Average 8 hrs. (dB(A)) | 74.2 | | |
| Lmax (dB(A)) | | 91.0 | |
| Standard (dB(A)) | 85 | 140 | |
| Reference Method | : ISO1996-1 and 1996-2 | | |
| Standard | : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. ประเภทผลกระทบจากพลังงาน เรื่อง การดำเนินการโครงการความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับกระบวนการผลิตในโรงงาน พ.ศ.๒๕๖๖ | | |



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2421292

Date Received : Feb 23, 2024

Date Reported : Feb 29, 2024

Report Number: 2917895-1

Page 1 of 1

| | |
|------------------|--------------------------------|
| Sample Number | 2421292-1 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Steam Turbine Generator |
| Measurement Date | Feb 23, 2024 |
| Measurement by | Chanon Booncheun |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------------|---|--------------|-------------|
| 09:02 AM - 10:02 AM | 74.9 | 77.1 | 74.6 |
| 10:02 AM - 11:02 AM | 74.7 | 75.6 | 74.5 |
| 11:02 AM - 12:02 PM | 75.8 | 80.5 | 74.4 |
| 12:02 PM - 01:02 PM | 75.1 | 76.5 | 74.6 |
| 01:02 PM - 02:02 PM | 75.1 | 76.1 | 74.7 |
| 02:02 PM - 03:02 PM | 75.2 | 76.0 | 74.9 |
| 03:02 PM - 04:02 PM | 75.4 | 76.0 | 75.2 |
| 04:02 PM - 05:02 PM | 75.6 | 80.3 | 74.2 |
| Leq Average 8 hrs. (dB(A)) | 75.2 | | |
| Lmax (dB(A)) | | 80.5 | |
| Standard (dB(A)) | 85 | 140 | |
| Reference Method | : ISO1996-1 and 1996-2 | | |
| Standard | : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. ประเภทผลกระทบจากพลังงาน เรื่อง การดำเนินการโครงการความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับกระบวนการผลิตในโรงงาน พ.ศ.๒๕๖๖ | | |

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salameh
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444169

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2992069-1

Page 1 of 1

| | | | |
|---|----------------------|--------------|-------------|
| Sample Number | 2444169-1 | | |
| Parameter | Noise (Leq 8 hrs.) | | |
| Location | บริเวณ Cooling Tower | | |
| Measurement Date | May 08, 2024 | | |
| Measurement by | Prasannik Kueanpet | | |
| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| 09:46 AM - 10:46 AM | 77.4 | 88.1 | 77.2 |
| 10:46 AM - 11:46 AM | 78.2 | 78.8 | 77.9 |
| 11:46 AM - 12:46 PM | 78.9 | 88.0 | 78.3 |
| 12:46 PM - 01:46 PM | 78.8 | 79.6 | 78.5 |
| 01:46 PM - 02:46 PM | 78.3 | 78.8 | 78.1 |
| 02:46 PM - 03:46 PM | 78.4 | 78.8 | 78.3 |
| 03:46 PM - 04:46 PM | 78.3 | 78.6 | 78.2 |
| 04:46 PM - 05:46 PM | 78.3 | 78.5 | 78.2 |
| Leq Average 8 hrs. (dB(A)) | 78.3 | | |
| Lmax (dB(A)) | | 88.1 | |
| Standard (dB(A)) | 85 | 140 | |
| Reference Method : ISO1996-1 and 1996-2 | | | |
| Standard : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖ | | | |



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444169

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2992070-1

Page 1 of 1

| | | | | |
|------------------|---|-------------|--------------|-------------|
| Sample Number | 2444169-2 | | | |
| Parameter | Noise (Leq 8 hrs.) | | | |
| Location | บริเวณ Boiler Feed Pump | | | |
| Measurement Date | May 08, 2024 | | | |
| Measurement by | Prasarnmit Kueanpet | | | |
| | Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
| | 09:36 AM - 10:36 AM | 80.0 | 81.3 | 79.6 |
| | 10:36 AM - 11:36 AM | 80.0 | 81.3 | 79.7 |
| | 11:36 AM - 12:36 PM | 80.5 | 81.6 | 79.6 |
| | 12:36 PM - 01:36 PM | 80.3 | 81.5 | 79.0 |
| | 01:36 PM - 02:36 PM | 79.7 | 80.8 | 79.3 |
| | 02:36 PM - 03:36 PM | 79.8 | 80.9 | 79.4 |
| | 03:36 PM - 04:36 PM | 79.9 | 81.0 | 79.5 |
| | 04:36 PM - 05:36 PM | 80.0 | 81.3 | 79.6 |
| | Leq Average 8 hrs. (dB(A)) | 80.0 | | |
| | Lmax (dB(A)) | | 81.6 | |
| | Standard (dB(A)) | 85 | 140 | |
| | Reference Method : ISO1996-1 and 1996-2 | | | |
| | Standard : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. | | | |
| | ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย | | | |
| | ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖ | | | |

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

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Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

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Section Head

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444169

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2992071-1

Page 1 of 1

| | |
|------------------|---------------------|
| Sample Number | 2444169-3 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Gas Metering |
| Measurement Date | May 08, 2024 |
| Measurement by | Prasanmit Kueanpet |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------------|--|--------------|-------------|
| 10:04 AM - 11:04 AM | 65.0 | 71.6 | 64.7 |
| 11:04 AM - 12:04 PM | 64.8 | 73.1 | 64.6 |
| 12:04 PM - 01:04 PM | 64.6 | 72.5 | 64.3 |
| 01:04 PM - 02:04 PM | 64.8 | 67.2 | 64.6 |
| 02:04 PM - 03:04 PM | 65.0 | 79.8 | 64.6 |
| 03:04 PM - 04:04 PM | 65.1 | 81.1 | 64.7 |
| 04:04 PM - 05:04 PM | 65.1 | 69.4 | 64.8 |
| 05:04 PM - 06:04 PM | 65.0 | 71.2 | 64.7 |
| Leq Average 8 hrs. (dB(A)) | 64.9 | | |
| Lmax (dB(A)) | | 81.1 | |
| Standard (dB(A)) | 85 | 140 | |
| Reference Method | : ISO1996-1 and 1996-2 | | |
| Standard | : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. ประเภทการตรวจวัดเสียง (เรื่อง การประเมินผลกระทบสิ่งแวดล้อม ในการประกอบกิจการโรงงานเกี่ยวกับกระบวนการผลิตในทางฟางงาน พ.ศ.๒๕๖๓) | | |



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444169

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2992072-1

Page 1 of 1

| | |
|------------------|--|
| Sample Number | 2444169-4 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Gas Turbine Accessories System (ใกล้ถนนพราง GTG 11 และ GTG12) |
| Measurement Date | May 08, 2024 |
| Measurement by | Prasanmit Kueanpet |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|----------------------------|--|--------------|-------------|
| 09:36 AM - 10:36 AM | 74.4 | 77.2 | 74.1 |
| 10:36 AM - 11:36 AM | 74.3 | 75.3 | 74.0 |
| 11:36 AM - 12:36 PM | 74.2 | 75.3 | 73.9 |
| 12:36 PM - 01:36 PM | 73.9 | 75.2 | 73.6 |
| 01:36 PM - 02:36 PM | 74.2 | 75.8 | 73.8 |
| 02:36 PM - 03:36 PM | 74.2 | 82.0 | 74.0 |
| 03:36 PM - 04:36 PM | 74.2 | 75.0 | 74.0 |
| 04:36 PM - 05:36 PM | 74.3 | 76.0 | 74.0 |
| Leq Average 8 hrs. (dB(A)) | 74.2 | | |
| Lmax (dB(A)) | | 82.0 | |
| Standard (dB(A)) | 85 | 140 | |
| Reference Method | : ISO1996-1 and 1996-2 | | |
| Standard | : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd. ประเภทการตรวจวัดเสียง (เรื่อง การประเมินผลกระทบสิ่งแวดล้อม ในการประกอบกิจการโรงงานเกี่ยวกับกระบวนการผลิตในทางฟางงาน พ.ศ.๒๕๖๓) | | |

Technical Management

Tharita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Tharita K.

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Scientist (4)

Approved by

Supt S

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444169

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2992073-1

Page 1 of 1

| | |
|------------------|--------------------------------|
| Sample Number | 2444169-5 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Steam Turbine Generator |
| Measurement Date | May 08, 2024 |
| Measurement by | Prasannit Kueanpet |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:40 AM - 10:40 AM | 77.2 | 78.5 | 76.8 |
| 10:40 AM - 11:40 AM | 76.4 | 77.6 | 76.2 |
| 11:40 AM - 12:40 PM | 76.9 | 77.5 | 76.6 |
| 12:40 PM - 01:40 PM | 77.1 | 77.9 | 76.8 |
| 01:40 PM - 02:40 PM | 77.4 | 78.6 | 77.1 |
| 02:40 PM - 03:40 PM | 77.7 | 79.2 | 77.5 |
| 03:40 PM - 04:40 PM | 77.4 | 78.6 | 77.1 |
| 04:40 PM - 05:40 PM | 77.4 | 78.9 | 77.2 |

Leq Average 8 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมความปลอตภัย
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๖๖



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O : 4210502315

Project Name : Monitoring EIA

Project Location : GTS4

Lot ID: 2444169

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2992074-1

Page 1 of 1

| | |
|------------------|------------------------------------|
| Sample Number | 2444169-6 |
| Parameter | Noise (Leq 8 hrs.) |
| Location | บริเวณ Steam Turbine Lube Oil Skid |
| Measurement Date | May 08, 2024 |
| Measurement by | Prasannit Kueanpet |

| Time | Leq (dB(A)) | Lmax (dB(A)) | L90 (dB(A)) |
|---------------------|-------------|--------------|-------------|
| 09:30 AM - 10:30 AM | 73.4 | 76.3 | 72.7 |
| 10:30 AM - 11:30 AM | 73.4 | 76.6 | 72.7 |
| 11:30 AM - 12:30 PM | 72.6 | 74.5 | 72.0 |
| 12:30 PM - 01:30 PM | 72.8 | 74.5 | 72.1 |
| 01:30 PM - 02:30 PM | 73.3 | 75.8 | 72.5 |
| 02:30 PM - 03:30 PM | 73.4 | 76.8 | 72.6 |
| 03:30 PM - 04:30 PM | 73.4 | 75.5 | 72.8 |
| 04:30 PM - 05:30 PM | 73.6 | 74.9 | 72.7 |

Leq Average 8 hrs. (dB(A))

Lmax (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : Environmental Impact Assessment Report of Gulf TS4 Co., Ltd.

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ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๖๖

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

Approved by

Supot S.

Supot Salamteh
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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ภาคผนวก ค-8

ความร้อนภายในสถานประกอบการ



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng,
Rayong Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 246698
Date Received : Feb 16, 2024
Date Reported : Feb 19, 2024
Report Number: 2888874-1

Page 1 of 4

Sample Number 246698-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Feb 15, 2024
Measurement by Amnat Wongsakhe
Location ปรังนิคงาน 1 ชั้นที่ (ชั้น-บนสุด ปรังนิคงาน : - แทน : -)

| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
|-------------------------------|----------------|-----------|----------|---------|---------|
| บริเวณ Condenser exhaust unit | 120 | 29.0 | 26.4 | 35.1 | 34.8 |
| Average (WBGT) | | 29.0 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
- Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management


Supot Salamteh
Section Head

Approved by


Wichan Choonharat
Assistant Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng,
Rayong Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 246698
Date Received : Feb 16, 2024
Date Reported : Feb 19, 2024
Report Number: 2888874-1

Page 2 of 4

Sample Number 246698-2
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Feb 15, 2024
Measurement by Amnat Wongsakhe
Location ปรังนิคงาน 1 ชั้นที่ (ชั้น-บนสุด ปรังนิคงาน : - แทน : -)

| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
|---------------------|----------------|-----------|----------|---------|---------|
| บริเวณหอกลั่นน้ำมัน | 120 | 29.3 | 26.3 | 36.7 | 35.3 |
| Average (WBGT) | | 29.3 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
- Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management


Supot Salamteh
Section Head

Approved by


Wichan Choonharat
Assistant Manager

ADDRESS: 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng,
Rayong Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 246698
Date Received : Feb 16, 2024
Date Reported : Feb 19, 2024
Report Number: 2888874-1

Page 3 of 4

| Sample Number | 246698-3 | | | | |
|---------------------|--|-----------|----------|---------|---------|
| Parameter | Heat Stress (Sampling Time : 10.00 AM - 12.00 PM) | | | | |
| Measurement Date | Feb 15, 2024 | | | | |
| Measurement by | Amnat Wongsakhe | | | | |
| Location | ปลั๊กไฟงาน 1 ชั้นที่ (ห้อง-นายคณดา ชูจันทร์) งาน : - ทบทวน : -) | | | | |
| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
| บริเวณ Generator | 120 | 31.2 | 29.1 | 36.4 | 35.4 |
| Average (WBGT) | | 31.2 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Ch.
Wichan Choonharat
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Muakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf T54 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng,
Rayong Thailand 21140
P/O : 4210502169
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 246698
Date Received : Feb 16, 2024
Date Reported : Feb 19, 2024
Report Number: 2888874-1

Page 4 of 4

| Sample Number | 246698-4 | | | | |
|---------------------|--|-----------|----------|---------|---------|
| Parameter | Heat Stress (Sampling Time : 10.00 AM - 12.00 PM) | | | | |
| Measurement Date | Feb 15, 2024 | | | | |
| Measurement by | Amnat Wongsakhe | | | | |
| Location | ปลั๊กไฟงาน 1 ชั้นที่ (ห้อง-นายคณดา ชูจันทร์) งาน : - ทบทวน : -) | | | | |
| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
| เครื่อง Gas Turbine | 120 | 32.0 | 30.2 | 36.5 | 35.4 |
| Average (WBGT) | | 32.0 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Ch.
Wichan Choonharat
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Muakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
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Rayong Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444193
Date Received : May 10, 2024
Date Reported : May 14, 2024
Report Number: 2970034-1

Page 1 of 4

Sample Number 2444193-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date May 08, 2024
Measurement by Nattakam Vonginyoo
Location ปลั๊กตัวงาน 1 ชั้นที่ (ค่า-แบบทดสอบ ปลั๊กตัวงาน : - แบบ : -)

| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
|-------------------------------|----------------|-----------|----------|---------|---------|
| บริเวณ Condenser Exhaust Unit | 120 | 31.4 | 27.6 | 42.3 | 36.2 |
| Average (WBGT) | | 31.4 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
- Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management

Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

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P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444193
Date Received : May 10, 2024
Date Reported : May 14, 2024
Report Number: 2970034-1

Page 2 of 4

Sample Number 2444193-2
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date May 08, 2024
Measurement by Nattakam Vonginyoo
Location ปลั๊กตัวงาน 1 ชั้นที่ (ค่า-แบบทดสอบ ปลั๊กตัวงาน : - แบบ : -)

| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
|---------------------|----------------|-----------|----------|---------|---------|
| บริเวณพลาสมาเผาไหม้ | 120 | 31.3 | 28.0 | 39.3 | 38.3 |
| Average (WBGT) | | 31.3 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

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Technical Management

Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng,
Rayong Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444193
Date Received : May 10, 2024
Date Reported : May 14, 2024
Report Number: 2970034-1

Page 3 of 4

| Sample Number | 2444193-3 | | | | |
|---------------------|--|-----------|----------|---------|---------|
| Parameter | Heat Stress (Sampling Time : 10.00 AM - 12.00 PM) | | | | |
| Measurement Date | May 08, 2024 | | | | |
| Measurement by | Nattakarn Vonginyoo | | | | |
| Location | อุปกรณ์ 1 พื้นที่ (ค่า-อุณหภูมิ อุปกรณ์ 1 : - ทดสอบ : -) | | | | |
| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
| เครื่อง Generator | 120 | 29.6 | 26.1 | 38.2 | 36.5 |
| Average (WBGT) | | 29.6 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

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Rayong Thailand 21140
P/O : 4210502315
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2444193
Date Received : May 10, 2024
Date Reported : May 14, 2024
Report Number: 2970034-1

Page 4 of 4

| | | | | | |
|---------------------|--|-----------|----------|---------|---------|
| Sample Number | 2444193-4 | | | | |
| Parameter | Heat Stress (Sampling Time : 10.00 AM - 12.00 PM) | | | | |
| Measurement Date | May 08, 2024 | | | | |
| Measurement by | Nattakarn Vonginyoo | | | | |
| Location | อุปกรณ์ 1 พื้นที่ (ค่า-อุณหภูมิ อุปกรณ์ 1 : - ทดสอบ : -) | | | | |
| Location | Duration (min) | WBGT (°C) | NWB (°C) | GT (°C) | DB (°C) |
| Gas turbine | 120 | 29.7 | 26.3 | 38.1 | 36.9 |
| Average (WBGT) | | 29.7 | | | |
| Guideline WBGT (°C) | | 34.0 | | | |

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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แสงสว่างภายในสถานประกอบการ



Analysis / Test Report

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (1)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (1)-1 C6

Page 1 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|-----------|----------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : Administration Building : 1st Floor : โรงงานด้านอาคาร | 246680 (1)-1 | 14-Feb-24 | Day time | 1 | 926 | - | 300-400 | - | Pass |
| 2 | Spot : Administration Building : 1st Floor : โรงงาน Admin. 1 | 246680 (1)-2 | 14-Feb-24 | Day time | 1 | 407 | - | 400-500 | - | Pass |
| 3 | Spot : Administration Building : 1st Floor : โรงงาน Admin. 2 | 246680 (1)-3 | 14-Feb-24 | Day time | 1 | 586 | - | 400-500 | - | Pass |
| 4 | Spot : Administration Building : 1st Floor : โรงงาน Operation Manager | 246680 (1)-4 | 14-Feb-24 | Day time | 1 | 449 | - | 400-500 | - | Pass |
| 5 | Spot : Administration Building : 1st Floor : โรงงาน EHS | 246680 (1)-5 | 14-Feb-24 | Day time | 1 | 793 | - | 400-500 | - | Pass |
| 6 | Spot : Administration Building : 1st Floor : โรงงาน EHS Manager | 246680 (1)-6 | 14-Feb-24 | Day time | 1 | 882 | - | 400-500 | - | Pass |
| 7 | Spot : Administration Building : 1st Floor : โรงงาน Admin. Manager | 246680 (1)-7 | 14-Feb-24 | Day time | 1 | 413 | - | 400-500 | - | Pass |
| 8 | Spot : Administration Building : 1st Floor : โรงงาน Plant Manager | 246680 (1)-8 | 14-Feb-24 | Day time | 1 | 410 | - | 400-500 | - | Pass |
| 9 | Spot : Administration Building : 1st Floor : โรงงาน IT | 246680 (1)-9 | 14-Feb-24 | Day time | 1 | 478 | - | 400-500 | - | Pass |
| 10 | Spot : Administration Building : 1st Floor : โรงงาน Area 1 | 246680 (1)-10 | 14-Feb-24 | Day time | 1 | 486 | - | 400-500 | - | Pass |
| 11 | Spot : Administration Building : 1st Floor : โรงงาน Area 2 | 246680 (1)-11 | 14-Feb-24 | Day time | 1 | 614 | - | 400-500 | - | Pass |
| 12 | Area : Administration Building : 1st Floor : โรงงาน | 246680 (1)-12 | 14-Feb-24 | Day time | 1 | 638 | 592 | 50 | 100 | Pass |
| | | 246680 (1)-13 | 14-Feb-24 | Day time | 2 | 560 | | | | |
| | | 246680 (1)-14 | 14-Feb-24 | Day time | 3 | 417 | | | | |
| | | 246680 (1)-15 | 14-Feb-24 | Day time | 4 | 391 | | | | |
| | | 246680 (1)-16 | 14-Feb-24 | Day time | 5 | 564 | | | | |
| | | 246680 (1)-17 | 14-Feb-24 | Day time | 6 | 985 | | | | |
| 13 | Area : Administration Building : 1st Floor : โรงงานด้านอาคาร | 246680 (1)-18 | 14-Feb-24 | Day time | 1 | 427 | 457 | 100 | 200 | Pass |
| | | 246680 (1)-19 | 14-Feb-24 | Day time | 2 | 487 | | | | |

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (1)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (1)-1 C6

Page 2 of 2

| GTS3 | | | | | | | | | | |
|-------------|--|------------------|-----------|----------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 15 | Area : Administration Building : 1st Floor : โรงงานด้านอาคาร | 246680 (1)-20 | 14-Feb-24 | Day time | 1 | 300 | 342 | 150 | 300 | Pass |
| | | 246680 (1)-21 | 14-Feb-24 | Day time | 2 | 344 | | | | |
| | | 246680 (1)-22 | 14-Feb-24 | Day time | 3 | 386 | | | | |
| | | 246680 (1)-23 | 14-Feb-24 | Day time | 4 | 336 | | | | |
| | | 246680 (1)-24 | 14-Feb-24 | Day time | 5 | 310 | | | | |
| | | 246680 (1)-25 | 14-Feb-24 | Day time | 6 | 379 | | | | |
| | | 246680 (1)-26 | 14-Feb-24 | Day time | 7 | 319 | | | | |
| | | 246680 (1)-27 | 14-Feb-24 | Day time | 8 | 338 | | | | |
| | | 246680 (1)-28 | 14-Feb-24 | Day time | 9 | 349 | | | | |
| | | 246680 (1)-29 | 14-Feb-24 | Day time | 10 | 395 | | | | |
| | | 246680 (1)-30 | 14-Feb-24 | Day time | 11 | 310 | | | | |
| | | 246680 (1)-31 | 14-Feb-24 | Day time | 12 | 340 | | | | |
| 16 | Area : Administration Building : 1st Floor : โรงงานด้านอาคาร | 246680 (1)-32 | 14-Feb-24 | Day time | 1 | 461 | 492 | 50 | 100 | Pass |
| | | 246680 (1)-33 | 14-Feb-24 | Day time | 2 | 322 | | | | |
| | | 246680 (1)-34 | 14-Feb-24 | Day time | 3 | 635 | | | | |
| | | 246680 (1)-35 | 14-Feb-24 | Day time | 4 | 548 | | | | |
| 17 | Area : Administration Building : 1st Floor : โรงงานด้านอาคาร | 246680 (1)-36 | 14-Feb-24 | Day time | 1 | 348 | 393 | 150 | 300 | Pass |
| | | 246680 (1)-37 | 14-Feb-24 | Day time | 2 | 307 | | | | |
| | | 246680 (1)-38 | 14-Feb-24 | Day time | 3 | 585 | | | | |
| | | 246680 (1)-39 | 14-Feb-24 | Day time | 4 | 332 | | | | |

Measurement by : Annat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Life Sciences

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Phrak Daeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring EIA
Project Location: GTS4

Lot ID: 246680 (2)
Date Received : Feb 16, 2024
Date Reported : Feb 25, 2024
Report Number: 246680 (2)-1 C6

Page 1 of 2

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|---|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Area : CCR : Control Building : 1st Floor : Switchgear Room | 246680 (2)-1 | 14-Feb-24 | Day time | 1 | 303 | 277 | 100 | 200 | Pass |
| | | 246680 (2)-2 | 14-Feb-24 | Day time | 2 | 301 | | | | |
| | | 246680 (2)-3 | 14-Feb-24 | Day time | 3 | 523 | | | | |
| | | 246680 (2)-4 | 14-Feb-24 | Day time | 4 | 301 | | | | |
| | | 246680 (2)-5 | 14-Feb-24 | Day time | 5 | 407 | | | | |
| | | 246680 (2)-6 | 14-Feb-24 | Day time | 6 | 219 | | | | |
| | | 246680 (2)-7 | 14-Feb-24 | Day time | 7 | 234 | | | | |
| | | 246680 (2)-8 | 14-Feb-24 | Day time | 8 | 246 | | | | |
| | | 246680 (2)-9 | 14-Feb-24 | Day time | 9 | 215 | | | | |
| | | 246680 (2)-10 | 14-Feb-24 | Day time | 10 | 209 | | | | |
| | | 246680 (2)-11 | 14-Feb-24 | Day time | 11 | 200 | | | | |
| | | 246680 (2)-12 | 14-Feb-24 | Day time | 12 | 232 | | | | |
| | | 246680 (2)-13 | 14-Feb-24 | Day time | 13 | 369 | | | | |
| | | 246680 (2)-14 | 14-Feb-24 | Day time | 14 | 236 | | | | |
| | | 246680 (2)-15 | 14-Feb-24 | Day time | 15 | 302 | | | | |
| | | 246680 (2)-16 | 14-Feb-24 | Day time | 16 | 291 | | | | |
| | | 246680 (2)-17 | 14-Feb-24 | Day time | 17 | 300 | | | | |
| | | 246680 (2)-18 | 14-Feb-24 | Day time | 18 | 245 | | | | |
| | | 246680 (2)-19 | 14-Feb-24 | Night time | 1 | 356 | 292 | 100 | 200 | Pass |
| | | 246680 (2)-20 | 14-Feb-24 | Night time | 2 | 290 | | | | |
| | | 246680 (2)-21 | 14-Feb-24 | Night time | 3 | 453 | | | | |
| | | 246680 (2)-22 | 14-Feb-24 | Night time | 4 | 285 | | | | |
| | | 246680 (2)-23 | 14-Feb-24 | Night time | 5 | 341 | | | | |
| | | 246680 (2)-24 | 14-Feb-24 | Night time | 6 | 240 | | | | |
| | | 246680 (2)-25 | 14-Feb-24 | Night time | 7 | 233 | | | | |
| | | 246680 (2)-26 | 14-Feb-24 | Night time | 8 | 261 | | | | |
| | | 246680 (2)-27 | 14-Feb-24 | Night time | 9 | 390 | | | | |
| | | 246680 (2)-28 | 14-Feb-24 | Night time | 10 | 286 | | | | |
| | | 246680 (2)-29 | 14-Feb-24 | Night time | 11 | 308 | | | | |
| | | 246680 (2)-30 | 14-Feb-24 | Night time | 12 | 201 | | | | |
| | | 246680 (2)-31 | 14-Feb-24 | Night time | 13 | 322 | | | | |
| | | 246680 (2)-32 | 14-Feb-24 | Night time | 14 | 238 | | | | |
| | | 246680 (2)-33 | 14-Feb-24 | Night time | 15 | 300 | | | | |
| | | 246680 (2)-34 | 14-Feb-24 | Night time | 16 | 300 | | | | |
| | | 246680 (2)-35 | 14-Feb-24 | Night time | 17 | 343 | | | | |
| | | 246680 (2)-36 | 14-Feb-24 | Night time | 18 | 248 | | | | |

Technical Management

Supot S
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Phrak Daeng, Rayong Thailand 21140

P/O :
Project Name : Monitoring EIA
Project Location: GTS4

Lot ID: 246680 (2)
Date Received : Feb 16, 2024
Date Reported : Feb 25, 2024
Report Number: 246680 (2)-1 C6

Page 2 of 2

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|--|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 2 | Area : CCR : Control Building : 1st Floor : ทางเดินบันได | 246680 (2)-37 | 14-Feb-24 | Day time | 1 | 205 | 180 | 50 | 100 | Pass |
| | | 246680 (2)-38 | 14-Feb-24 | Day time | 2 | 154 | | | | |
| | | 246680 (2)-39 | 14-Feb-24 | Night time | 1 | 501 | | | | |
| | | 246680 (2)-40 | 14-Feb-24 | Night time | 2 | 321 | | | | |

Measurement by : Amnat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (3)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (3)-1 C6

Page 1 of 2

| GTS3 | | | | | | | | | | |
|-------------|--|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : CCR : Control Building : 3rd Floor : Control GTS3 No.1 | 246680 (3)-1 | 14-Feb-24 | Day time | 1 | 427 | - | 400-500 | - | Pass |
| | | 246680 (3)-2 | 14-Feb-24 | Night time | 1 | 408 | - | 400-500 | - | Pass |
| 2 | Spot : CCR : Control Building : 3rd Floor : Control GTS3 No.2 | 246680 (3)-3 | 14-Feb-24 | Day time | 1 | 400 | - | 400-500 | - | Pass |
| | | 246680 (3)-4 | 14-Feb-24 | Night time | 1 | 404 | - | 400-500 | - | Pass |
| 3 | Spot : CCR : Control Building : 3rd Floor : Control GTS4 No.1 | 246680 (3)-5 | 14-Feb-24 | Day time | 1 | 432 | - | 400-500 | - | Pass |
| | | 246680 (3)-6 | 14-Feb-24 | Night time | 1 | 454 | - | 400-500 | - | Pass |
| 4 | Spot : CCR : Control Building : 3rd Floor : Control GTS4 No.2 | 246680 (3)-7 | 14-Feb-24 | Day time | 1 | 441 | - | 400-500 | - | Pass |
| | | 246680 (3)-8 | 14-Feb-24 | Night time | 1 | 412 | - | 400-500 | - | Pass |
| 5 | Spot : CCR : Control Building : 3rd Floor : DCS | 246680 (3)-9 | 14-Feb-24 | Day time | 1 | 502 | - | 400-500 | - | Pass |
| | | 246680 (3)-10 | 14-Feb-24 | Night time | 1 | 489 | - | 400-500 | - | Pass |
| 6 | Spot : CCR : Control Building : 3rd Floor : ควบคุมอาคาร | 246680 (3)-11 | 14-Feb-24 | Day time | 1 | 438 | - | 300-400 | - | Pass |
| | | 246680 (3)-12 | 14-Feb-24 | Night time | 1 | 421 | - | 300-400 | - | Pass |
| 7 | Spot : CCR : Control Building : 3rd Floor : เครื่องสูบลมและเครื่องเป่าลม | 246680 (3)-13 | 14-Feb-24 | Day time | 1 | 559 | - | 300-400 | - | Pass |
| | | 246680 (3)-14 | 14-Feb-24 | Night time | 1 | 548 | - | 300-400 | - | Pass |
| 8 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Daytime Operation | 246680 (3)-15 | 14-Feb-24 | Day time | 1 | 714 | - | 400-500 | - | Pass |
| 9 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Operation Manager | 246680 (3)-16 | 14-Feb-24 | Day time | 1 | 783 | - | 400-500 | - | Pass |
| | | | | | | | | | | |
| 10 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Permit | 246680 (3)-17 | 14-Feb-24 | Day time | 1 | 616 | - | 400-500 | - | Pass |
| | | 246680 (3)-18 | 14-Feb-24 | Night time | 1 | 545 | - | 400-500 | - | Pass |
| 11 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Shift Leader Daytime | 246680 (3)-19 | 14-Feb-24 | Day time | 1 | 403 | - | 400-500 | - | Pass |
| | | 246680 (3)-20 | 14-Feb-24 | Night time | 1 | 412 | - | 400-500 | - | Pass |
| 12 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Shift Leader GTS3 | 246680 (3)-21 | 14-Feb-24 | Day time | 1 | 432 | - | 400-500 | - | Pass |
| | | 246680 (3)-22 | 14-Feb-24 | Night time | 1 | 430 | - | 400-500 | - | Pass |
| 13 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Shift Leader GTS4 | 246680 (3)-23 | 14-Feb-24 | Day time | 1 | 521 | - | 400-500 | - | Pass |
| | | 246680 (3)-24 | 14-Feb-24 | Night time | 1 | 542 | - | 400-500 | - | Pass |

Technical Management

Supot S.

Supot Salamteh
Section Head

Approved by

Nichan C.

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (3)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (3)-1 C6

Page 2 of 2

| GTS3 | | | | | | | | | | |
|-------------|--|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 14 | Area : CCR : Control Building : 3rd Floor : ทั่ว | 246680 (3)-25 | 14-Feb-24 | Day time | 1 | 593 | 525 | 50 | 100 | Pass |
| | | 246680 (3)-26 | 14-Feb-24 | Day time | 2 | 568 | | | | |
| | | 246680 (3)-27 | 14-Feb-24 | Day time | 3 | 475 | | | | |
| | | 246680 (3)-28 | 14-Feb-24 | Day time | 4 | 299 | | | | |
| | | 246680 (3)-29 | 14-Feb-24 | Day time | 5 | 692 | | | | |
| | | 246680 (3)-30 | 14-Feb-24 | Night time | 1 | 822 | 637 | 50 | 100 | Pass |
| | | 246680 (3)-31 | 14-Feb-24 | Night time | 2 | 812 | | | | |
| | | 246680 (3)-32 | 14-Feb-24 | Night time | 3 | 492 | | | | |
| | | 246680 (3)-33 | 14-Feb-24 | Night time | 4 | 511 | | | | |
| | | 246680 (3)-34 | 14-Feb-24 | Night time | 5 | 549 | | | | |
| 15 | Area : CCR : Control Building : 3rd Floor : ทั่ว | 246680 (3)-35 | 14-Feb-24 | Day time | 1 | 543 | 972 | 50 | 100 | Pass |
| | | 246680 (3)-36 | 14-Feb-24 | Day time | 2 | 1,402 | | | | |
| | | 246680 (3)-37 | 14-Feb-24 | Night time | 1 | 195 | 267 | 50 | 100 | Pass |
| | | 246680 (3)-38 | 14-Feb-24 | Night time | 2 | 339 | | | | |

Measurement by : Annat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.

Supot Salamteh
Section Head

Approved by

Nichan C.

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 246680 (4)
Date Received : Feb 16, 2024
Date Reported : Feb 25, 2024
Report Number: 246680 (4)-1 C6

Page 1 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Area : Electrical Building : ชั้น 2 : Battery Room | 246680 (4)-1 | 14-Feb-24 | Day time | 1 | 382 | 310 | 100 | 200 | Pass |
| | | 246680 (4)-2 | 14-Feb-24 | Day time | 2 | 237 | | | | |
| | | 246680 (4)-3 | 14-Feb-24 | Night time | 1 | 546 | 474 | 100 | 200 | Pass |
| | | 246680 (4)-4 | 14-Feb-24 | Night time | 2 | 402 | | | | |
| 2 | Area : Electrical Building : ชั้น 2 : Electrical Room | 246680 (4)-5 | 14-Feb-24 | Day time | 1 | 1,170 | 873 | 100 | 200 | Pass |
| | | 246680 (4)-6 | 14-Feb-24 | Day time | 2 | 987 | | | | |
| | | 246680 (4)-7 | 14-Feb-24 | Day time | 3 | 1,829 | | | | |
| | | 246680 (4)-8 | 14-Feb-24 | Day time | 4 | 1,835 | | | | |
| | | 246680 (4)-9 | 14-Feb-24 | Day time | 5 | 710 | | | | |
| | | 246680 (4)-10 | 14-Feb-24 | Day time | 6 | 247 | | | | |
| | | 246680 (4)-11 | 14-Feb-24 | Day time | 7 | 102 | | | | |
| | | 246680 (4)-12 | 14-Feb-24 | Day time | 8 | 310 | | | | |
| | | 246680 (4)-13 | 14-Feb-24 | Day time | 9 | 410 | | | | |
| | | 246680 (4)-14 | 14-Feb-24 | Day time | 10 | 257 | | | | |
| | | 246680 (4)-15 | 14-Feb-24 | Day time | 11 | 1,027 | | | | |
| | | 246680 (4)-16 | 14-Feb-24 | Day time | 12 | 1,015 | | | | |
| | | 246680 (4)-17 | 14-Feb-24 | Day time | 13 | 1,243 | | | | |
| | | 246680 (4)-18 | 14-Feb-24 | Day time | 14 | 1,765 | | | | |
| | | 246680 (4)-19 | 14-Feb-24 | Day time | 15 | 685 | | | | |
| | | 246680 (4)-20 | 14-Feb-24 | Day time | 16 | 751 | | | | |
| | | 246680 (4)-21 | 14-Feb-24 | Day time | 17 | 317 | | | | |
| | | 246680 (4)-22 | 14-Feb-24 | Day time | 18 | 357 | | | | |
| | | 246680 (4)-23 | 14-Feb-24 | Night time | 1 | 901 | 754 | 100 | 200 | Pass |
| | | 246680 (4)-24 | 14-Feb-24 | Night time | 2 | 980 | | | | |
| | | 246680 (4)-25 | 14-Feb-24 | Night time | 3 | 1,721 | | | | |
| | | 246680 (4)-26 | 14-Feb-24 | Night time | 4 | 1,501 | | | | |
| | | 246680 (4)-27 | 14-Feb-24 | Night time | 5 | 691 | | | | |
| | | 246680 (4)-28 | 14-Feb-24 | Night time | 6 | 301 | | | | |
| | | 246680 (4)-29 | 14-Feb-24 | Night time | 7 | 250 | | | | |
| | | 246680 (4)-30 | 14-Feb-24 | Night time | 8 | 212 | | | | |
| | | 246680 (4)-31 | 14-Feb-24 | Night time | 9 | 472 | | | | |
| | | 246680 (4)-32 | 14-Feb-24 | Night time | 10 | 226 | | | | |
| | | 246680 (4)-33 | 14-Feb-24 | Night time | 11 | 811 | | | | |
| | | 246680 (4)-34 | 14-Feb-24 | Night time | 12 | 891 | | | | |
| | | 246680 (4)-35 | 14-Feb-24 | Night time | 13 | 1,098 | | | | |
| | | 246680 (4)-36 | 14-Feb-24 | Night time | 14 | 1,411 | | | | |
| | | 246680 (4)-37 | 14-Feb-24 | Night time | 15 | 511 | | | | |
| | | 246680 (4)-38 | 14-Feb-24 | Night time | 16 | 539 | | | | |
| | | 246680 (4)-39 | 14-Feb-24 | Night time | 17 | 413 | | | | |

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 246680 (4)
Date Received : Feb 16, 2024
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Page 2 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 2 | Area : Electrical Building : ชั้น 2 : Electrical Room | 246680 (4)-40 | 14-Feb-24 | Night time | 18 | 317 | | | | |
| 3 | Area : Electrical Building : ชั้น 1 : ทางเดินบันได | 246680 (4)-41 | 14-Feb-24 | Day time | 1 | 15,670 | 35735 | 50 | 100 | Pass |
| | | 246680 (4)-42 | 14-Feb-24 | Day time | 2 | 55,800 | | | | |
| | | 246680 (4)-43 | 14-Feb-24 | Night time | 1 | 201 | 206 | 50 | 100 | Pass |
| | | 246680 (4)-44 | 14-Feb-24 | Night time | 2 | 210 | | | | |
| 4 | Area : Electrical Building : ชั้น 2 : ทางเดินบันได | 246680 (4)-45 | 14-Feb-24 | Day time | 1 | 110 | 140 | 50 | 100 | Pass |
| | | 246680 (4)-46 | 14-Feb-24 | Day time | 2 | 170 | | | | |
| | | 246680 (4)-47 | 14-Feb-24 | Night time | 1 | 235 | 247 | 50 | 100 | Pass |
| | | 246680 (4)-48 | 14-Feb-24 | Night time | 2 | 259 | | | | |

Measurement by : Annat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Supot Salamteh
Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (5)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (5)-1 C6

Page 1 of 1

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|--|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : Electrical Building : ชั้น 3 : Switchgear | 246680 (5)-1 | 14-Feb-24 | Day time | 1 | 518 | - | 300-400 | - | Pass |
| | | 246680 (5)-2 | 14-Feb-24 | Night time | 1 | 468 | - | 300-400 | - | Pass |
| 2 | Area : Electrical Building : ชั้น 3 : พานดูดฝุ่น | 246680 (5)-3 | 14-Feb-24 | Day time | 1 | 218 | 231 | 50 | 100 | Pass |
| | | 246680 (5)-4 | 14-Feb-24 | Day time | 2 | 244 | | | | |
| | | 246680 (5)-5 | 14-Feb-24 | Night time | 1 | 232 | 236 | 50 | 100 | Pass |
| | | 246680 (5)-6 | 14-Feb-24 | Night time | 2 | 241 | | | | |

Measurement by : Amnat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (6)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (6)-1 C6

Page 1 of 2

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|--|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Area : Switchyard Control Building Plan : GTS3 : Battery Room | 246680 (6)-1 | 14-Feb-24 | Day time | 1 | 204 | 220 | 100 | 200 | Pass |
| | | 246680 (6)-2 | 14-Feb-24 | Day time | 2 | 235 | | | | |
| | | 246680 (6)-3 | 14-Feb-24 | Night time | 1 | 217 | 210 | 100 | 200 | Pass |
| | | 246680 (6)-4 | 14-Feb-24 | Night time | 2 | 202 | | | | |
| 2 | Area : Switchyard Control Building Plan : GTS3 : Substation GTS3 | 246680 (6)-5 | 14-Feb-24 | Day time | 1 | 339 | 597 | 100 | 200 | Pass |
| | | 246680 (6)-6 | 14-Feb-24 | Day time | 2 | 443 | | | | |
| | | 246680 (6)-7 | 14-Feb-24 | Day time | 3 | 610 | | | | |
| | | 246680 (6)-8 | 14-Feb-24 | Day time | 4 | 997 | | | | |
| | | 246680 (6)-9 | 14-Feb-24 | Night time | 1 | 495 | 442 | 100 | 200 | Pass |
| | | 246680 (6)-10 | 14-Feb-24 | Night time | 2 | 426 | | | | |
| | | 246680 (6)-11 | 14-Feb-24 | Night time | 3 | 419 | | | | |
| | | 246680 (6)-12 | 14-Feb-24 | Night time | 4 | 429 | | | | |
| | | 246680 (6)-13 | 14-Feb-24 | Day time | 1 | 316 | - | 300-400 | - | Pass |
| | | 246680 (6)-14 | 14-Feb-24 | Night time | 1 | 314 | - | 300-400 | - | Pass |
| | | 246680 (6)-15 | 14-Feb-24 | Day time | 1 | 1,063 | 634 | 100 | 200 | Pass |
| | | 246680 (6)-16 | 14-Feb-24 | Day time | 2 | 657 | | | | |
| 4 | Area : Switchyard Control Building Plan : GTS3 : Switchyard Control Room | 246680 (6)-17 | 14-Feb-24 | Day time | 3 | 496 | | | | |
| | | 246680 (6)-18 | 14-Feb-24 | Day time | 4 | 321 | | | | |
| | | 246680 (6)-19 | 14-Feb-24 | Night time | 1 | 405 | 438 | 100 | 200 | Pass |
| | | 246680 (6)-20 | 14-Feb-24 | Night time | 2 | 518 | | | | |
| | | 246680 (6)-21 | 14-Feb-24 | Night time | 3 | 429 | | | | |
| | | 246680 (6)-22 | 14-Feb-24 | Night time | 4 | 402 | | | | |
| | | 246680 (6)-23 | 14-Feb-24 | Day time | 1 | 308 | 315 | 100 | 200 | Pass |
| | | 246680 (6)-24 | 14-Feb-24 | Day time | 2 | 322 | | | | |
| | | 246680 (6)-25 | 14-Feb-24 | Night time | 1 | 298 | 300 | 100 | 200 | Pass |
| | | 246680 (6)-26 | 14-Feb-24 | Night time | 2 | 301 | | | | |
| 6 | Area : Switchyard Control Building Plan : GTS4 : Substation GTS4 | 246680 (6)-27 | 14-Feb-24 | Day time | 1 | 822 | 550 | 100 | 200 | Pass |
| | | 246680 (6)-28 | 14-Feb-24 | Day time | 2 | 460 | | | | |
| | | 246680 (6)-29 | 14-Feb-24 | Day time | 3 | 407 | | | | |
| | | 246680 (6)-30 | 14-Feb-24 | Day time | 4 | 512 | | | | |
| | | 246680 (6)-31 | 14-Feb-24 | Night time | 1 | 443 | 420 | 100 | 200 | Pass |
| | | 246680 (6)-32 | 14-Feb-24 | Night time | 2 | 333 | | | | |
| | | 246680 (6)-33 | 14-Feb-24 | Night time | 3 | 398 | | | | |
| | | 246680 (6)-34 | 14-Feb-24 | Night time | 4 | 505 | | | | |

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location: GTS4

Lot ID: 246680 (6)
Date Received : Feb 16, 2024
Date Reported : Feb 25, 2024
Report Number: 246680 (6)-1 C6

Page 2 of 2

| GTS3 | | | | | | | | | | |
|-------------|--|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 7 | Spot : Switchyard Control Building Plan : GTS4 : Switchgear | 246680 (6)-35 | 14-Feb-24 | Day time | 1 | 480 | - | 300-400 | - | Pass |
| | | 246680 (6)-36 | 14-Feb-24 | Night time | 1 | 340 | - | 300-400 | - | Pass |
| 8 | Area : Switchyard Control Building Plan : GTS4 : Switchyard Control Room | 246680 (6)-37 | 14-Feb-24 | Day time | 1 | 1,332 | 606 | 100 | 200 | Pass |
| | | 246680 (6)-38 | 14-Feb-24 | Day time | 2 | 250 | | | | |
| | | 246680 (6)-39 | 14-Feb-24 | Day time | 3 | 201 | | | | |
| | | 246680 (6)-40 | 14-Feb-24 | Day time | 4 | 641 | | | | |
| | | 246680 (6)-41 | 14-Feb-24 | Night time | 1 | 501 | 298 | 100 | 200 | Pass |
| | | 246680 (6)-42 | 14-Feb-24 | Night time | 2 | 201 | | | | |
| | | 246680 (6)-43 | 14-Feb-24 | Night time | 3 | 191 | | | | |
| | | 246680 (6)-44 | 14-Feb-24 | Night time | 4 | 301 | | | | |

Measurement by : Annat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location: GTS4

Lot ID: 246680 (7)
Date Received : Feb 16, 2024
Date Reported : Feb 25, 2024
Report Number: 246680 (7)-1 C6

Page 1 of 1

| GTS3 | | | | | | | | | | |
|-------------|--|------------------|-----------|------------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : Water Treatment Control Building : Fire Pump | 246680 (7)-1 | 14-Feb-24 | Day time | 1 | 5,940 | - | 300-400 | - | Pass |
| | | 246680 (7)-2 | 14-Feb-24 | Day time | 2 | 2,130 | - | 1000 | - | Pass |
| | | 246680 (7)-3 | 14-Feb-24 | Day time | 3 | 1,000 | - | 400 | - | Pass |
| | | 246680 (7)-4 | 14-Feb-24 | Night time | 1 | 319 | - | 300-400 | - | Pass |
| 2 | Spot : Water Treatment Control Building : Laboratory 1 (Fume Hood) | 246680 (7)-5 | 14-Feb-24 | Day time | 1 | 563 | - | 400-500 | - | Pass |
| | | 246680 (7)-6 | 14-Feb-24 | Night time | 1 | 553 | - | 400-500 | - | Pass |
| 3 | Spot : Water Treatment Control Building : Laboratory 2 (Water Table) | 246680 (7)-7 | 14-Feb-24 | Day time | 1 | 436 | - | 400-500 | - | Pass |
| | | 246680 (7)-8 | 14-Feb-24 | Night time | 1 | 406 | - | 400-500 | - | Pass |
| 4 | Spot : Water Treatment Control Building : Office Laboratory | 246680 (7)-9 | 14-Feb-24 | Day time | 1 | 402 | - | 400-500 | - | Pass |
| | | 246680 (7)-10 | 14-Feb-24 | Night time | 1 | 408 | - | 400-500 | - | Pass |
| 5 | Spot : Water Treatment Control Building : Water Treatment | 246680 (7)-11 | 14-Feb-24 | Day time | 1 | 432 | - | 300-400 | - | Pass |
| | | 246680 (7)-12 | 14-Feb-24 | Night time | 1 | 414 | - | 300-400 | - | Pass |

Measurement by : Annat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salamteh
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Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (8)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (8)-1 C6

Page 1 of 3

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|-----------|----------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : Workshop and Warehouse : 2nd Floor : โรงงานอุตสาหกรรม | 246680 (8)-1 | 14-Feb-24 | Day time | 1 | 398 | - | 300-400 | - | Pass |
| 4 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 1 | 246680 (8)-2 | 14-Feb-24 | Day time | 1 | 403 | - | 400-500 | - | Pass |
| 5 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-3 | 14-Feb-24 | Day time | 1 | 442 | - | 400-500 | - | Pass |
| 6 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 3 | 246680 (8)-4 | 14-Feb-24 | Day time | 1 | 421 | - | 400-500 | - | Pass |
| 7 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 4 | 246680 (8)-5 | 14-Feb-24 | Day time | 1 | 402 | - | 400-500 | - | Pass |
| 8 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 1 | 246680 (8)-6 | 14-Feb-24 | Day time | 1 | 458 | - | 400-500 | - | Pass |
| 9 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-7 | 14-Feb-24 | Day time | 1 | 403 | - | 400-500 | - | Pass |
| 10 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 3 | 246680 (8)-8 | 14-Feb-24 | Day time | 1 | 408 | - | 400-500 | - | Pass |
| 11 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 4 | 246680 (8)-9 | 14-Feb-24 | Day time | 1 | 407 | - | 400-500 | - | Pass |
| 12 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 1 | 246680 (8)-10 | 14-Feb-24 | Day time | 1 | 410 | - | 400-500 | - | Pass |
| 13 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-11 | 14-Feb-24 | Day time | 1 | 409 | - | 400-500 | - | Pass |
| 14 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 3 | 246680 (8)-12 | 14-Feb-24 | Day time | 1 | 400 | - | 400-500 | - | Pass |
| 15 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME 4 | 246680 (8)-13 | 14-Feb-24 | Day time | 1 | 403 | - | 400-500 | - | Pass |
| 16 | Spot : Workshop and Warehouse : 2nd Floor : โรงงาน ME Manager | 246680 (8)-14 | 14-Feb-24 | Day time | 1 | 897 | - | 400-500 | - | Pass |
| 17 | Area : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-15 | 14-Feb-24 | Day time | 1 | 714 | 477 | 50 | 100 | Pass |
| | | 246680 (8)-16 | 14-Feb-24 | Day time | 2 | 258 | | | | |
| | | 246680 (8)-17 | 14-Feb-24 | Day time | 3 | 459 | | | | |

Technical Management

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Supot Salamteh
Section Head

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225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (8)

Date Received : Feb 16, 2024

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Report Number: 246680 (8)-1 C6

Page 2 of 3

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|-----------|----------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 18 | Area : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-18 | 14-Feb-24 | Day time | 1 | 110 | 116 | 50 | 100 | Pass |
| | | 246680 (8)-19 | 14-Feb-24 | Day time | 2 | 121 | | | | |
| 19 | Area : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-20 | 14-Feb-24 | Day time | 1 | 111 | 116 | 50 | 100 | Pass |
| | | 246680 (8)-21 | 14-Feb-24 | Day time | 2 | 120 | | | | |
| 20 | Area : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-22 | 14-Feb-24 | Day time | 1 | 210 | 206 | 100 | 200 | Pass |
| | | 246680 (8)-23 | 14-Feb-24 | Day time | 2 | 201 | | | | |
| 21 | Area : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-24 | 14-Feb-24 | Day time | 1 | 388 | 413 | 50 | 100 | Pass |
| | | 246680 (8)-25 | 14-Feb-24 | Day time | 2 | 438 | | | | |
| 22 | Area : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-26 | 14-Feb-24 | Day time | 1 | 378 | 917 | 150 | 300 | Pass |
| | | 246680 (8)-27 | 14-Feb-24 | Day time | 2 | 685 | | | | |
| | | 246680 (8)-28 | 14-Feb-24 | Day time | 3 | 616 | | | | |
| | | 246680 (8)-29 | 14-Feb-24 | Day time | 4 | 1,320 | | | | |
| | | 246680 (8)-30 | 14-Feb-24 | Day time | 5 | 1,358 | | | | |
| | | 246680 (8)-31 | 14-Feb-24 | Day time | 6 | 1,143 | | | | |
| 23 | Area : Workshop and Warehouse : 2nd Floor : โรงงาน ME 2 | 246680 (8)-32 | 14-Feb-24 | Day time | 1 | 444 | 336 | 25 | 50 | Pass |
| | | 246680 (8)-33 | 14-Feb-24 | Day time | 2 | 227 | | | | |
| 24 | Area : Workshop and Warehouse : 2nd Floor : Store | 246680 (8)-34 | 14-Feb-24 | Day time | 1 | 858 | 666 | 100 | 200 | Pass |
| | | 246680 (8)-35 | 14-Feb-24 | Day time | 2 | 789 | | | | |
| | | 246680 (8)-36 | 14-Feb-24 | Day time | 3 | 667 | | | | |
| | | 246680 (8)-37 | 14-Feb-24 | Day time | 4 | 166 | | | | |
| | | 246680 (8)-38 | 14-Feb-24 | Day time | 5 | 208 | | | | |
| | | 246680 (8)-39 | 14-Feb-24 | Day time | 6 | 842 | | | | |
| | | 246680 (8)-40 | 14-Feb-24 | Day time | 7 | 711 | | | | |
| | | 246680 (8)-41 | 14-Feb-24 | Day time | 8 | 1,005 | | | | |
| | | 246680 (8)-42 | 14-Feb-24 | Day time | 9 | 1,025 | | | | |
| | | 246680 (8)-43 | 14-Feb-24 | Day time | 10 | 992 | | | | |
| | | 246680 (8)-44 | 14-Feb-24 | Day time | 11 | 812 | | | | |
| | | 246680 (8)-45 | 14-Feb-24 | Day time | 12 | 345 | | | | |
| | | 246680 (8)-46 | 14-Feb-24 | Day time | 13 | 256 | | | | |
| | | 246680 (8)-47 | 14-Feb-24 | Day time | 14 | 515 | | | | |
| | | 246680 (8)-48 | 14-Feb-24 | Day time | 15 | 686 | | | | |
| | | 246680 (8)-49 | 14-Feb-24 | Day time | 16 | 784 | | | | |

Measurement by : Amnat Wongsakhen

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (8)

Date Received : Feb 16, 2024

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Report Number: 246680 (8)-1 C6

Page 3 of 3

| Lay out No. | Location | Reference Number | Date | Time | No. | GTS3 | | Guideline Limit | | Comment |
|-------------|----------|------------------|------|------|-----|------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)



Analysis / Test Report

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225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (9)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (9)-1 C6

Page 1 of 2

| Lay out No. | Location | Reference Number | Date | Time | No. | GTS3 | | Guideline Limit | | Comment |
|-------------|----------|------------------|------|------|-----|------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |

| | | | | | | | | | | |
|---|--|---------------|-----------|----------|----|-------|------|---------|-----|------|
| 1 | Area : Workshop and Warehouse : Ground Floor : Store ชั้น 1 | 246680 (9)-1 | 14-Feb-24 | Day time | 1 | 361 | 347 | 100 | 200 | Pass |
| | | 246680 (9)-2 | 14-Feb-24 | Day time | 2 | 482 | | | | |
| | | 246680 (9)-3 | 14-Feb-24 | Day time | 3 | 463 | | | | |
| | | 246680 (9)-4 | 14-Feb-24 | Day time | 4 | 224 | | | | |
| | | 246680 (9)-5 | 14-Feb-24 | Day time | 5 | 394 | | | | |
| | | 246680 (9)-6 | 14-Feb-24 | Day time | 6 | 231 | | | | |
| | | 246680 (9)-7 | 14-Feb-24 | Day time | 7 | 545 | | | | |
| | | 246680 (9)-8 | 14-Feb-24 | Day time | 8 | 225 | | | | |
| | | 246680 (9)-9 | 14-Feb-24 | Day time | 9 | 403 | | | | |
| | | 246680 (9)-10 | 14-Feb-24 | Day time | 10 | 410 | | | | |
| | | 246680 (9)-11 | 14-Feb-24 | Day time | 11 | 336 | | | | |
| | | 246680 (9)-12 | 14-Feb-24 | Day time | 12 | 210 | | | | |
| | | 246680 (9)-13 | 14-Feb-24 | Day time | 13 | 205 | | | | |
| | | 246680 (9)-14 | 14-Feb-24 | Day time | 14 | 447 | | | | |
| | | 246680 (9)-15 | 14-Feb-24 | Day time | 15 | 395 | | | | |
| | | 246680 (9)-16 | 14-Feb-24 | Day time | 16 | 214 | | | | |
| 2 | Area : Workshop and Warehouse : Ground Floor : ภาวภัณฑ์ W/H | 246680 (9)-17 | 14-Feb-24 | Day time | 1 | 1,425 | 1264 | 50 | 100 | Pass |
| | | 246680 (9)-18 | 14-Feb-24 | Day time | 2 | 1,102 | | | | |
| 3 | Area : Workshop and Warehouse : Ground Floor : ภาวภัณฑ์ W/H 1W4 | 246680 (9)-19 | 14-Feb-24 | Day time | 1 | 670 | 618 | 50 | 100 | Pass |
| | | 246680 (9)-20 | 14-Feb-24 | Day time | 2 | 565 | | | | |
| 4 | Area : Workshop and Warehouse : Ground Floor : ภาวภัณฑ์ ชั้น 1 | 246680 (9)-21 | 14-Feb-24 | Day time | 1 | 354 | 354 | 50 | 100 | Pass |
| | | 246680 (9)-22 | 14-Feb-24 | Day time | 2 | 261 | | | | |
| | | 246680 (9)-23 | 14-Feb-24 | Day time | 3 | 403 | | | | |
| | | 246680 (9)-24 | 14-Feb-24 | Day time | 4 | 306 | | | | |
| | | 246680 (9)-25 | 14-Feb-24 | Day time | 5 | 449 | | | | |
| | | 246680 (9)-26 | 14-Feb-24 | Day time | 6 | 354 | | | | |
| 5 | Area : Workshop and Warehouse : Ground Floor : ภาว Tool Room (AC 1-3) | 246680 (9)-27 | 14-Feb-24 | Day time | 1 | 540 | 482 | 100 | 200 | Pass |
| | | 246680 (9)-28 | 14-Feb-24 | Day time | 2 | 498 | | | | |
| | | 246680 (9)-29 | 14-Feb-24 | Day time | 3 | 409 | | | | |
| 6 | Spot : Workshop and Warehouse : Ground Floor : ภาว W/H Office 1 TS3 | 246680 (9)-30 | 14-Feb-24 | Day time | 1 | 438 | - | 400-500 | - | Pass |
| 7 | Spot : Workshop and Warehouse : Ground Floor : ภาว W/H Office 2 TS4 | 246680 (9)-31 | 14-Feb-24 | Day time | 1 | 407 | - | 400-500 | - | Pass |

Technical Management

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Section Head

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Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 246680 (9)

Date Received : Feb 16, 2024

Date Reported : Feb 25, 2024

Report Number: 246680 (9)-1 C6

Page 2 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|-----------|----------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 8 | Spot : Workshop and Warehouse : Ground Floor : โต๊ะ Calibration และ อุปกรณ์การเครื่องมือวัด | 246680 (9)-32 | 14-Feb-24 | Day time | 1 | 525 | - | 400-500 | - | Pass |
| 9 | Area : Workshop and Warehouse : Ground Floor : หน่วยงานเครื่องกลไฟฟ้า | 246680 (9)-33 | 14-Feb-24 | Day time | 1 | 519 | 590 | 150 | 300 | Pass |
| | | 246680 (9)-34 | 14-Feb-24 | Day time | 2 | 475 | | | | |
| | | 246680 (9)-35 | 14-Feb-24 | Day time | 3 | 468 | | | | |
| | | 246680 (9)-36 | 14-Feb-24 | Day time | 4 | 608 | | | | |
| | | 246680 (9)-37 | 14-Feb-24 | Day time | 5 | 687 | | | | |
| | | 246680 (9)-38 | 14-Feb-24 | Day time | 6 | 491 | | | | |
| | | 246680 (9)-39 | 14-Feb-24 | Day time | 7 | 603 | | | | |
| | | 246680 (9)-40 | 14-Feb-24 | Day time | 8 | 737 | | | | |
| | | 246680 (9)-41 | 14-Feb-24 | Day time | 9 | 725 | | | | |

Measurement by : Amnat Wongsakhen

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Gulf T54 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (1)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (1)-1 C6

Page 1 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|------------|----------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : Administration Building : 1st Floor : โต๊ะงานเอกสาร | 2443997 (1)-1 | 8-May-2024 | Day time | 1 | 837 | - | 300-400 | - | Pass |
| 2 | Spot : Administration Building : 1st Floor : โต๊ะ Admin. 1 | 2443997 (1)-2 | 8-May-2024 | Day time | 1 | 502 | - | 400-500 | - | Pass |
| 3 | Spot : Administration Building : 1st Floor : โต๊ะ Admin. 2 | 2443997 (1)-3 | 8-May-2024 | Day time | 1 | 609 | - | 400-500 | - | Pass |
| 4 | Spot : Administration Building : 1st Floor : โต๊ะ Operation Manager | 2443997 (1)-4 | 8-May-2024 | Day time | 1 | 557 | - | 400-500 | - | Pass |
| 5 | Spot : Administration Building : 1st Floor : โต๊ะ EHS | 2443997 (1)-5 | 8-May-2024 | Day time | 1 | 753 | - | 400-500 | - | Pass |
| 6 | Spot : Administration Building : 1st Floor : โต๊ะ EHS Manager | 2443997 (1)-6 | 8-May-2024 | Day time | 1 | 945 | - | 400-500 | - | Pass |
| 7 | Spot : Administration Building : 1st Floor : โต๊ะ Admin. Manager | 2443997 (1)-7 | 8-May-2024 | Day time | 1 | 514 | - | 400-500 | - | Pass |
| 8 | Spot : Administration Building : 1st Floor : โต๊ะ Plant Manager | 2443997 (1)-8 | 8-May-2024 | Day time | 1 | 505 | - | 400-500 | - | Pass |
| 9 | Spot : Administration Building : 1st Floor : โต๊ะ IT | 2443997 (1)-9 | 8-May-2024 | Day time | 1 | 422 | - | 400-500 | - | Pass |
| 10 | Spot : Administration Building : 1st Floor : โต๊ะเครื่อง 1 | 2443997 (1)-10 | 8-May-2024 | Day time | 1 | 411 | - | 400-500 | - | Pass |
| 11 | Spot : Administration Building : 1st Floor : โต๊ะเครื่อง 2 | 2443997 (1)-11 | 8-May-2024 | Day time | 1 | 702 | - | 400-500 | - | Pass |
| 12 | Area : Administration Building : 1st Floor : ทางเดิน | 2443997 (1)-12 | 8-May-2024 | Day time | 1 | 855 | 818 | 50 | 100 | Pass |
| | | 2443997 (1)-13 | 8-May-2024 | Day time | 2 | 804 | | | | |
| | | 2443997 (1)-14 | 8-May-2024 | Day time | 3 | 802 | | | | |
| | | 2443997 (1)-15 | 8-May-2024 | Day time | 4 | 746 | | | | |
| | | 2443997 (1)-16 | 8-May-2024 | Day time | 5 | 925 | | | | |
| | | 2443997 (1)-17 | 8-May-2024 | Day time | 6 | 773 | | | | |
| 13 | Area : Administration Building : 1st Floor : ห้องประชุม | 2443997 (1)-18 | 8-May-2024 | Day time | 1 | 659 | 816 | 100 | 200 | Pass |
| | | 2443997 (1)-19 | 8-May-2024 | Day time | 2 | 972 | | | | |

Technical Management

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location: GTS4

Lot ID: 2443997 (1)
Date Received : May 10, 2024
Date Reported : May 15, 2024
Report Number: 2443997 (1)-1 C6

Page 2 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|------------|----------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 15 | Area : Administration Building : 1st Floor : วัสดุอุปกรณ์ | 2443997 (1)-20 | 9-May-2024 | Day time | 1 | 724 | 388 | 150 | 300 | Pass |
| | | 2443997 (1)-21 | 9-May-2024 | Day time | 2 | 408 | | | | |
| | | 2443997 (1)-22 | 9-May-2024 | Day time | 3 | 305 | | | | |
| | | 2443997 (1)-23 | 9-May-2024 | Day time | 4 | 407 | | | | |
| | | 2443997 (1)-24 | 9-May-2024 | Day time | 5 | 311 | | | | |
| | | 2443997 (1)-25 | 9-May-2024 | Day time | 6 | 412 | | | | |
| | | 2443997 (1)-26 | 9-May-2024 | Day time | 7 | 338 | | | | |
| | | 2443997 (1)-27 | 9-May-2024 | Day time | 8 | 366 | | | | |
| | | 2443997 (1)-28 | 9-May-2024 | Day time | 9 | 422 | | | | |
| | | 2443997 (1)-29 | 9-May-2024 | Day time | 10 | 301 | | | | |
| | | 2443997 (1)-30 | 9-May-2024 | Day time | 11 | 315 | | | | |
| | | 2443997 (1)-31 | 9-May-2024 | Day time | 12 | 344 | | | | |
| 16 | Area : Administration Building : 1st Floor : วัสดุอุปกรณ์ | 2443997 (1)-32 | 8-May-2024 | Day time | 1 | 768 | 612 | 50 | 100 | Pass |
| | | 2443997 (1)-33 | 8-May-2024 | Day time | 2 | 532 | | | | |
| | | 2443997 (1)-34 | 8-May-2024 | Day time | 3 | 666 | | | | |
| | | 2443997 (1)-35 | 8-May-2024 | Day time | 4 | 480 | | | | |
| 17 | Area : Administration Building : 1st Floor : วัสดุอุปกรณ์ | 2443997 (1)-36 | 8-May-2024 | Day time | 1 | 507 | 423 | 150 | 300 | Pass |
| | | 2443997 (1)-37 | 8-May-2024 | Day time | 2 | 401 | | | | |
| | | 2443997 (1)-38 | 8-May-2024 | Day time | 3 | 345 | | | | |
| | | 2443997 (1)-39 | 8-May-2024 | Day time | 4 | 438 | | | | |

Measurement by : Nattakam Vonginyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Nichan Chuan
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location: GTS4

Lot ID: 2443997 (2)
Date Received : May 10, 2024
Date Reported : May 17, 2024
Report Number: 2443997 (2)-1

Page 1 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|------------|------------|-----|-------------------|---------|-----------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Area : CCR : Control Building : 1st Floor : Switchgear Room | 2443997 (2)-1 | 8-May-2024 | Day time | 1 | 559 | 551 | 100 | 200 | Pass |
| | | 2443997 (2)-2 | 8-May-2024 | Day time | 2 | 542 | | | | |
| | | 2443997 (2)-3 | 8-May-2024 | Day time | 3 | 545 | | | | |
| | | 2443997 (2)-4 | 8-May-2024 | Day time | 4 | 583 | | | | |
| | | 2443997 (2)-5 | 8-May-2024 | Day time | 5 | 592 | | | | |
| | | 2443997 (2)-6 | 8-May-2024 | Day time | 6 | 505 | | | | |
| | | 2443997 (2)-7 | 8-May-2024 | Day time | 7 | 660 | | | | |
| | | 2443997 (2)-8 | 8-May-2024 | Day time | 8 | 515 | | | | |
| | | 2443997 (2)-9 | 8-May-2024 | Day time | 9 | 543 | | | | |
| | | 2443997 (2)-10 | 8-May-2024 | Day time | 10 | 518 | | | | |
| | | 2443997 (2)-11 | 8-May-2024 | Day time | 11 | 485 | | | | |
| | | 2443997 (2)-12 | 8-May-2024 | Day time | 12 | 473 | | | | |
| | | 2443997 (2)-13 | 8-May-2024 | Day time | 13 | 461 | | | | |
| | | 2443997 (2)-14 | 8-May-2024 | Day time | 14 | 544 | | | | |
| | | 2443997 (2)-15 | 8-May-2024 | Day time | 15 | 665 | | | | |
| | | 2443997 (2)-16 | 8-May-2024 | Day time | 16 | 590 | | | | |
| | | 2443997 (2)-17 | 8-May-2024 | Day time | 17 | 623 | | | | |
| | | 2443997 (2)-18 | 8-May-2024 | Day time | 18 | 537 | | | | |
| | | 2443997 (2)-19 | 8-May-2024 | Night time | 1 | 578 | 475 | 100 | 200 | Pass |
| | | 2443997 (2)-20 | 8-May-2024 | Night time | 2 | 444 | | | | |
| | | 2443997 (2)-21 | 8-May-2024 | Night time | 3 | 430 | | | | |
| | | 2443997 (2)-22 | 8-May-2024 | Night time | 4 | 562 | | | | |
| | | 2443997 (2)-23 | 8-May-2024 | Night time | 5 | 514 | | | | |
| | | 2443997 (2)-24 | 8-May-2024 | Night time | 6 | 491 | | | | |
| | | 2443997 (2)-25 | 8-May-2024 | Night time | 7 | 832 | | | | |
| | | 2443997 (2)-26 | 8-May-2024 | Night time | 8 | 735 | | | | |
| | | 2443997 (2)-27 | 8-May-2024 | Night time | 9 | 426 | | | | |
| | | 2443997 (2)-28 | 8-May-2024 | Night time | 10 | 501 | | | | |
| | | 2443997 (2)-29 | 8-May-2024 | Night time | 11 | 326 | | | | |
| | | 2443997 (2)-30 | 8-May-2024 | Night time | 12 | 446 | | | | |
| | | 2443997 (2)-31 | 8-May-2024 | Night time | 13 | 403 | | | | |
| | | 2443997 (2)-32 | 8-May-2024 | Night time | 14 | 406 | | | | |
| | | 2443997 (2)-33 | 8-May-2024 | Night time | 15 | 485 | | | | |
| | | 2443997 (2)-34 | 8-May-2024 | Night time | 16 | 323 | | | | |
| | | 2443997 (2)-35 | 8-May-2024 | Night time | 17 | 511 | | | | |
| | | 2443997 (2)-36 | 8-May-2024 | Night time | 18 | 552 | | | | |

Technical Management

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (2)

Date Received : May 10, 2024

Date Reported : May 17, 2024

Report Number: 2443997 (2)-1

Page 2 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|---|------------------|------------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 2 | Area : CCR : Control Building : 1st Floor : ควบคุมอาคาร | 2443997 (2)-37 | 8-May-2024 | Day time | 1 | 573 | 625 | 50 | 100 | Pass |
| | | 2443997 (2)-38 | 8-May-2024 | Day time | 2 | 677 | | | | |
| | | 2443997 (2)-39 | 8-May-2024 | Night time | 1 | 179 | 191 | 50 | 100 | Pass |
| | | 2443997 (2)-40 | 8-May-2024 | Night time | 2 | 203 | | | | |

Measurement by : Nattakam Vonginyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (3)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (3)-1 C6

Page 1 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|---|------------------|------------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : CCR : Control Building : 3rd Floor : Control GTS3 No.1 | 2443997 (3)-1 | 8-May-2024 | Day time | 1 | 474 | - | 400-500 | - | Pass |
| | | 2443997 (3)-2 | 8-May-2024 | Night time | 1 | 454 | - | 400-500 | - | Pass |
| 2 | Spot : CCR : Control Building : 3rd Floor : Control GTS3 No.2 | 2443997 (3)-3 | 8-May-2024 | Day time | 1 | 415 | - | 400-500 | - | Pass |
| | | 2443997 (3)-4 | 8-May-2024 | Night time | 1 | 523 | - | 400-500 | - | Pass |
| 3 | Spot : CCR : Control Building : 3rd Floor : Control GTS4 No.1 | 2443997 (3)-5 | 8-May-2024 | Day time | 1 | 625 | - | 400-500 | - | Pass |
| | | 2443997 (3)-6 | 8-May-2024 | Night time | 1 | 522 | - | 400-500 | - | Pass |
| 4 | Spot : CCR : Control Building : 3rd Floor : Control GTS4 No.2 | 2443997 (3)-7 | 8-May-2024 | Day time | 1 | 525 | - | 400-500 | - | Pass |
| | | 2443997 (3)-8 | 8-May-2024 | Night time | 1 | 562 | - | 400-500 | - | Pass |
| 5 | Spot : CCR : Control Building : 3rd Floor : DCS | 2443997 (3)-9 | 8-May-2024 | Day time | 1 | 527 | - | 400-500 | - | Pass |
| | | 2443997 (3)-10 | 8-May-2024 | Night time | 1 | 435 | - | 400-500 | - | Pass |
| 6 | Spot : CCR : Control Building : 3rd Floor : เครื่องปรับอากาศ | 2443997 (3)-11 | 8-May-2024 | Day time | 1 | 455 | - | 300-400 | - | Pass |
| | | 2443997 (3)-12 | 8-May-2024 | Night time | 1 | 432 | - | 300-400 | - | Pass |
| 7 | Spot : CCR : Control Building : 3rd Floor : เครื่องสูบลมและเครื่องปรับอากาศ | 2443997 (3)-13 | 8-May-2024 | Day time | 1 | 690 | - | 300-400 | - | Pass |
| | | 2443997 (3)-14 | 8-May-2024 | Night time | 1 | 594 | - | 300-400 | - | Pass |
| 8 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Daytime Operation | 2443997 (3)-15 | 8-May-2024 | Day time | 1 | 762 | - | 400-500 | - | Pass |
| 9 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Operation Manager | 2443997 (3)-16 | 8-May-2024 | Day time | 1 | 787 | - | 400-500 | - | Pass |
| 10 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Permit | 2443997 (3)-17 | 8-May-2024 | Day time | 1 | 692 | - | 400-500 | - | Pass |
| | | 2443997 (3)-18 | 8-May-2024 | Night time | 1 | 674 | - | 400-500 | - | Pass |
| 11 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Shift Leader Daytime | 2443997 (3)-19 | 8-May-2024 | Day time | 1 | 576 | - | 400-500 | - | Pass |
| | | 2443997 (3)-20 | 8-May-2024 | Night time | 1 | 556 | - | 400-500 | - | Pass |
| 12 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Shift Leader GTS3 | 2443997 (3)-21 | 8-May-2024 | Day time | 1 | 485 | - | 400-500 | - | Pass |
| | | 2443997 (3)-22 | 8-May-2024 | Night time | 1 | 465 | - | 400-500 | - | Pass |
| 13 | Spot : CCR : Control Building : 3rd Floor : ทั่ว Shift Leader GTS4 | 2443997 (3)-23 | 8-May-2024 | Day time | 1 | 632 | - | 400-500 | - | Pass |
| | | 2443997 (3)-24 | 8-May-2024 | Night time | 1 | 578 | - | 400-500 | - | Pass |

Technical Management

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Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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RIGHT SOLUTIONS RIGHT PARTNER



Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS1

Lot ID: 2443997 (3)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (3)-1 C6

Page 2 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot Average | Guideline Limit Spot/Min Average | Comment |
|-------------|---|------------------|------------|------------|-----|-----------------------------------|-------------------------------------|---------|
| 14 | Area : CCR : Control Building : 3rd Floor : ควบคุมอาคาร | 2443997 (3)-25 | 8-May-2024 | Day time | 1 | 807 | 927 | Pass |
| | | 2443997 (3)-26 | 8-May-2024 | Day time | 2 | 925 | | |
| | | 2443997 (3)-27 | 8-May-2024 | Day time | 3 | 979 | | |
| | | 2443997 (3)-28 | 8-May-2024 | Day time | 4 | 972 | | |
| | | 2443997 (3)-29 | 8-May-2024 | Day time | 5 | 953 | | |
| | | 2443997 (3)-30 | 8-May-2024 | Night time | 1 | 795 | 917 | |
| | | 2443997 (3)-31 | 8-May-2024 | Night time | 2 | 903 | | |
| | | 2443997 (3)-32 | 8-May-2024 | Night time | 3 | 939 | | |
| | | 2443997 (3)-33 | 8-May-2024 | Night time | 4 | 1,035 | | |
| | | 2443997 (3)-34 | 8-May-2024 | Night time | 5 | 912 | | |
| 15 | Area : CCR : Control Building : 3rd Floor : ควบคุมอาคาร | 2443997 (3)-35 | 8-May-2024 | Day time | 1 | 511 | 470 | Pass |
| | | 2443997 (3)-36 | 8-May-2024 | Day time | 2 | 428 | | |
| | | 2443997 (3)-37 | 8-May-2024 | Night time | 1 | 404 | 302 | |
| | | 2443997 (3)-38 | 8-May-2024 | Night time | 2 | 201 | | |

Measurement by : Nattakam Vonginyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS1

Lot ID: 2443997 (4)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (4)-1 C6

Page 1 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot Average | Guideline Limit Spot/Min Average | Comment |
|-------------|---|------------------|------------|------------|-----|-----------------------------------|-------------------------------------|---------|
| 1 | Area : Electrical Building : ชั้น 2 : Battery Room | 2443997 (4)-1 | 8-May-2024 | Day time | 1 | 775 | 828 | Pass |
| | | 2443997 (4)-2 | 8-May-2024 | Day time | 2 | 881 | | |
| | | 2443997 (4)-3 | 8-May-2024 | Night time | 1 | 447 | 448 | |
| | | 2443997 (4)-4 | 8-May-2024 | Night time | 2 | 450 | | |
| 2 | Area : Electrical Building : ชั้น 2 : Electrical Room | 2443997 (4)-5 | 8-May-2024 | Day time | 1 | 2,710 | 2001 | Pass |
| | | 2443997 (4)-6 | 8-May-2024 | Day time | 2 | 527 | | |
| | | 2443997 (4)-7 | 8-May-2024 | Day time | 3 | 2,370 | | |
| | | 2443997 (4)-8 | 8-May-2024 | Day time | 4 | 2,460 | | |
| | | 2443997 (4)-9 | 8-May-2024 | Day time | 5 | 1,830 | | |
| | | 2443997 (4)-10 | 8-May-2024 | Day time | 6 | 1,840 | | |
| | | 2443997 (4)-11 | 8-May-2024 | Day time | 7 | 2,250 | | |
| | | 2443997 (4)-12 | 8-May-2024 | Day time | 8 | 1,763 | | |
| | | 2443997 (4)-13 | 8-May-2024 | Day time | 9 | 543 | | |
| | | 2443997 (4)-14 | 8-May-2024 | Day time | 10 | 522 | | |
| | | 2443997 (4)-15 | 8-May-2024 | Day time | 11 | 2,150 | | |
| | | 2443997 (4)-16 | 8-May-2024 | Day time | 12 | 1,635 | | |
| | | 2443997 (4)-17 | 8-May-2024 | Day time | 13 | 3,270 | | |
| | | 2443997 (4)-18 | 8-May-2024 | Day time | 14 | 2,420 | | |
| | | 2443997 (4)-19 | 8-May-2024 | Day time | 15 | 2,110 | | |
| | | 2443997 (4)-20 | 8-May-2024 | Day time | 16 | 1,730 | | |
| | | 2443997 (4)-21 | 8-May-2024 | Day time | 17 | 1,911 | | |
| | | 2443997 (4)-22 | 8-May-2024 | Day time | 18 | 1,635 | | |
| | | 2443997 (4)-23 | 8-May-2024 | Night time | 1 | 444 | 451 | |
| | | 2443997 (4)-24 | 8-May-2024 | Night time | 2 | 585 | 100 | |
| | | 2443997 (4)-25 | 8-May-2024 | Night time | 3 | 541 | | |
| | | 2443997 (4)-26 | 8-May-2024 | Night time | 4 | 538 | | |
| | | 2443997 (4)-27 | 8-May-2024 | Night time | 5 | 302 | | |
| | | 2443997 (4)-28 | 8-May-2024 | Night time | 6 | 403 | | |
| | | 2443997 (4)-29 | 8-May-2024 | Night time | 7 | 406 | | |
| | | 2443997 (4)-30 | 8-May-2024 | Night time | 8 | 502 | | |
| | | 2443997 (4)-31 | 8-May-2024 | Night time | 9 | 446 | | |
| | | 2443997 (4)-32 | 8-May-2024 | Night time | 10 | 414 | | |
| | | 2443997 (4)-33 | 8-May-2024 | Night time | 11 | 476 | | |
| | | 2443997 (4)-34 | 8-May-2024 | Night time | 12 | 423 | | |
| | | 2443997 (4)-35 | 8-May-2024 | Night time | 13 | 429 | | |
| | | 2443997 (4)-36 | 8-May-2024 | Night time | 14 | 418 | | |
| | | 2443997 (4)-37 | 8-May-2024 | Night time | 15 | 455 | | |
| | | 2443997 (4)-38 | 8-May-2024 | Night time | 16 | 426 | | |
| | | 2443997 (4)-39 | 8-May-2024 | Night time | 17 | 549 | | |

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (4)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (4)-1 C6

Page 2 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|---|------------------|------------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 2 | Area : Electrical Building : ชั้น 2 : Electrical Room | 2443997 (4)-40 | 8-May-2024 | Night time | 18 | 428 | | | | |
| 3 | Area : Electrical Building : ชั้น 1 : ครัวเก็บน้ำ | 2443997 (4)-41 | 8-May-2024 | Day time | 1 | 5,123 | 7382 | 50 | 100 | Pass |
| | | 2443997 (4)-42 | 8-May-2024 | Day time | 2 | 9,640 | | | | |
| | | 2443997 (4)-43 | 8-May-2024 | Night time | 1 | 265 | 292 | 50 | 100 | Pass |
| | | 2443997 (4)-44 | 8-May-2024 | Night time | 2 | 319 | | | | |
| 4 | Area : Electrical Building : ชั้น 2 : ครัวเก็บน้ำ | 2443997 (4)-45 | 8-May-2024 | Day time | 1 | 249 | 247 | 50 | 100 | Pass |
| | | 2443997 (4)-46 | 8-May-2024 | Day time | 2 | 245 | | | | |
| | | 2443997 (4)-47 | 8-May-2024 | Night time | 1 | 201 | 208 | 50 | 100 | Pass |
| | | 2443997 (4)-48 | 8-May-2024 | Night time | 2 | 216 | | | | |

Measurement by : Nattakarn Vonginyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S
Supot Salamteh
Section Head

Approved by

Wichan Ch
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (5)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (5)-1 C6

Page 1 of 1

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|---|------------------|------------|------------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 1 | Spot : Electrical Building : ชั้น 3 : Switchgear | 2443997 (5)-1 | 8-May-2024 | Day time | 1 | 514 | - | 300-400 | - | Pass |
| | | 2443997 (5)-2 | 8-May-2024 | Night time | 1 | 505 | - | 300-400 | - | Pass |
| 2 | Area : Electrical Building : ชั้น 3 : ครัวเก็บน้ำ | 2443997 (5)-3 | 8-May-2024 | Day time | 1 | 255 | 280 | 50 | 100 | Pass |
| | | 2443997 (5)-4 | 8-May-2024 | Day time | 2 | 304 | | | | |
| | | 2443997 (5)-5 | 8-May-2024 | Night time | 1 | 202 | 210 | 50 | 100 | Pass |
| | | 2443997 (5)-6 | 8-May-2024 | Night time | 2 | 219 | | | | |

Measurement by : Nattakarn Vonginyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S
Supot Salamteh
Section Head

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Phuak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (6)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (6)-1 C6

Page 1 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|------------|------------|-----|---------------------------|---------|-----------------------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot | Average | Guideline Limit Spot/Min | Average | Comment |
| 1 | Area : Switchyard Control Building Plan : GTS3 : Battery Room | 2443997 (6)-1 | 8-May-2024 | Day time | 1 | 309 | 332 | 100 | 200 | Pass |
| | | 2443997 (6)-2 | 8-May-2024 | Day time | 2 | 356 | | | | |
| | | 2443997 (6)-3 | 8-May-2024 | Night time | 1 | 496 | 484 | 100 | 200 | Pass |
| | | 2443997 (6)-4 | 8-May-2024 | Night time | 2 | 472 | | | | |
| 2 | Area : Switchyard Control Building Plan : GTS3 : Substation GTS3 | 2443997 (6)-5 | 8-May-2024 | Day time | 1 | 508 | 536 | 100 | 200 | Pass |
| | | 2443997 (6)-6 | 8-May-2024 | Day time | 2 | 441 | | | | |
| | | 2443997 (6)-7 | 8-May-2024 | Day time | 3 | 624 | | | | |
| | | 2443997 (6)-8 | 8-May-2024 | Day time | 4 | 572 | | | | |
| | | 2443997 (6)-9 | 8-May-2024 | Night time | 1 | 555 | 502 | 100 | 200 | Pass |
| | | 2443997 (6)-10 | 8-May-2024 | Night time | 2 | 412 | | | | |
| | | 2443997 (6)-11 | 8-May-2024 | Night time | 3 | 591 | | | | |
| | | 2443997 (6)-12 | 8-May-2024 | Night time | 4 | 452 | | | | |
| | | 2443997 (6)-13 | 8-May-2024 | Day time | 1 | 424 | - | 300-400 | - | Pass |
| | | 2443997 (6)-14 | 8-May-2024 | Night time | 1 | 416 | - | 300-400 | - | Pass |
| 4 | Area : Switchyard Control Building Plan : GTS3 : Switchyard Control Room | 2443997 (6)-15 | 8-May-2024 | Day time | 1 | 418 | 589 | 100 | 200 | Pass |
| | | 2443997 (6)-16 | 8-May-2024 | Day time | 2 | 546 | | | | |
| | | 2443997 (6)-17 | 8-May-2024 | Day time | 3 | 711 | | | | |
| | | 2443997 (6)-18 | 8-May-2024 | Day time | 4 | 682 | | | | |
| | | 2443997 (6)-19 | 8-May-2024 | Night time | 1 | 511 | 509 | 100 | 200 | Pass |
| | | 2443997 (6)-20 | 8-May-2024 | Night time | 2 | 496 | | | | |
| | | 2443997 (6)-21 | 8-May-2024 | Night time | 3 | 531 | | | | |
| | | 2443997 (6)-22 | 8-May-2024 | Night time | 4 | 497 | | | | |
| 5 | Area : Switchyard Control Building Plan : GTS4 : Battery Room | 2443997 (6)-23 | 8-May-2024 | Day time | 1 | 670 | 596 | 100 | 200 | Pass |
| | | 2443997 (6)-24 | 8-May-2024 | Day time | 2 | 523 | | | | |
| | | 2443997 (6)-25 | 8-May-2024 | Night time | 1 | 402 | 400 | 100 | 200 | Pass |
| | | 2443997 (6)-26 | 8-May-2024 | Night time | 2 | 399 | | | | |
| 6 | Area : Switchyard Control Building Plan : GTS4 : Substation GTS4 | 2443997 (6)-27 | 8-May-2024 | Day time | 1 | 966 | 830 | 100 | 200 | Pass |
| | | 2443997 (6)-28 | 8-May-2024 | Day time | 2 | 923 | | | | |
| | | 2443997 (6)-29 | 8-May-2024 | Day time | 3 | 785 | | | | |
| | | 2443997 (6)-30 | 8-May-2024 | Day time | 4 | 647 | | | | |
| | | 2443997 (6)-31 | 8-May-2024 | Night time | 1 | 592 | 614 | 100 | 200 | Pass |
| | | 2443997 (6)-32 | 8-May-2024 | Night time | 2 | 613 | | | | |
| | | 2443997 (6)-33 | 8-May-2024 | Night time | 3 | 646 | | | | |
| | | 2443997 (6)-34 | 8-May-2024 | Night time | 4 | 605 | | | | |

Technical Management

Supot S.

Supot Salamteh
Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Phuak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (6)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (6)-1 C6

Page 2 of 2

| GTS3 | | | | | | | | | | |
|-------------|---|------------------|------------|------------|-----|---------------------------|---------|-----------------------------|---------|---------|
| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot | Average | Guideline Limit Spot/Min | Average | Comment |
| 7 | Spot : Switchyard Control Building Plan : GTS4 : Switchgear | 2443997 (6)-35 | 8-May-2024 | Day time | 1 | 519 | - | 300-400 | - | Pass |
| | | 2443997 (6)-36 | 8-May-2024 | Night time | 1 | 474 | - | 300-400 | - | Pass |
| 8 | Area : Switchyard Control Building Plan : GTS4 : Switchyard Control Room | 2443997 (6)-37 | 8-May-2024 | Day time | 1 | 996 | 756 | 100 | 200 | Pass |
| | | 2443997 (6)-38 | 8-May-2024 | Day time | 2 | 805 | | | | |
| | | 2443997 (6)-39 | 8-May-2024 | Day time | 3 | 678 | | | | |
| | | 2443997 (6)-40 | 8-May-2024 | Day time | 4 | 544 | | | | |
| | | 2443997 (6)-41 | 8-May-2024 | Night time | 1 | 551 | 655 | 100 | 200 | Pass |
| | | 2443997 (6)-42 | 8-May-2024 | Night time | 2 | 749 | | | | |
| | | 2443997 (6)-43 | 8-May-2024 | Night time | 3 | 625 | | | | |
| | | 2443997 (6)-44 | 8-May-2024 | Night time | 4 | 694 | | | | |

Measurement by : Nattakarn Vonginyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Supot Salamteh
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Wichan Choonharat
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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (7)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (7)-1 C6

Page 1 of 1

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot Average | Guideline Limit Spot/Min Average | Comment |
|-------------|--|------------------|------------|------------|-----|-----------------------------------|-------------------------------------|---------|
| 1 | Spot : Water Treatment Control Building : Fire Pump | 2443997 (7)-1 | 8-May-2024 | Day time | 1 | 1,824 | - 300-400 | Pass |
| | | 2443997 (7)-2 | 8-May-2024 | Day time | 2 | 1,665 | - 300 | - |
| | | 2443997 (7)-3 | 8-May-2024 | Day time | 3 | 1,532 | - 200 | - |
| | | 2443997 (7)-4 | 8-May-2024 | Night time | 1 | 457 | - 300-400 | Pass |
| 2 | Spot : Water Treatment Control Building : Laboratory 1 (Fume Hood) | 2443997 (7)-5 | 8-May-2024 | Day time | 1 | 878 | - 400-500 | Pass |
| | | 2443997 (7)-6 | 8-May-2024 | Night time | 1 | 674 | - 400-500 | Pass |
| 3 | Spot : Water Treatment Control Building : Laboratory 2 (Water Table) | 2443997 (7)-7 | 8-May-2024 | Day time | 1 | 533 | - 400-500 | Pass |
| | | 2443997 (7)-8 | 8-May-2024 | Night time | 1 | 419 | - 400-500 | Pass |
| 4 | Spot : Water Treatment Control Building : Office Laboratory | 2443997 (7)-9 | 8-May-2024 | Day time | 1 | 489 | - 400-500 | Pass |
| | | 2443997 (7)-10 | 8-May-2024 | Night time | 1 | 430 | - 400-500 | Pass |
| 5 | Spot : Water Treatment Control Building : Water Treatment | 2443997 (7)-11 | 8-May-2024 | Day time | 1 | 483 | - 300-400 | Pass |
| | | 2443997 (7)-12 | 8-May-2024 | Night time | 1 | 472 | - 300-400 | Pass |

Measurement by : Nattakam Vonghinyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.

Supot Salamteh
Section Head

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Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (8)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (8)-1 C6

Page 1 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot Average | Guideline Limit Spot/Min Average | Comment |
|-------------|--|------------------|------------|----------|-----|-----------------------------------|-------------------------------------|---------|
| 1 | Spot : Workshop and Warehouse : 2nd Floor : พื้นโรงงาน | 2443997 (8)-1 | 8-May-2024 | Day time | 1 | 419 | - 300-400 | Pass |
| 4 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 1 | 2443997 (8)-2 | 8-May-2024 | Day time | 1 | 530 | - 400-500 | Pass |
| 5 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 2 | 2443997 (8)-3 | 8-May-2024 | Day time | 1 | 522 | - 400-500 | Pass |
| 6 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 3 | 2443997 (8)-4 | 8-May-2024 | Day time | 1 | 519 | - 400-500 | Pass |
| 7 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 4 | 2443997 (8)-5 | 8-May-2024 | Day time | 1 | 486 | - 400-500 | Pass |
| 8 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 1 | 2443997 (8)-6 | 8-May-2024 | Day time | 1 | 513 | - 400-500 | Pass |
| 9 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 2 | 2443997 (8)-7 | 8-May-2024 | Day time | 1 | 524 | - 400-500 | Pass |
| 10 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 3 | 2443997 (8)-8 | 8-May-2024 | Day time | 1 | 505 | - 400-500 | Pass |
| 11 | Spot : Workshop and Warehouse : 2nd Floor : พื้น ME 4 | 2443997 (8)-9 | 8-May-2024 | Day time | 1 | 477 | - 400-500 | Pass |
| 12 | Spot : Workshop and Warehouse : 2nd Floor : พื้น MM 1 | 2443997 (8)-10 | 8-May-2024 | Day time | 1 | 415 | - 400-500 | Pass |
| 13 | Spot : Workshop and Warehouse : 2nd Floor : พื้น MM 2 | 2443997 (8)-11 | 8-May-2024 | Day time | 1 | 430 | - 400-500 | Pass |
| 14 | Spot : Workshop and Warehouse : 2nd Floor : พื้น MM 3 | 2443997 (8)-12 | 8-May-2024 | Day time | 1 | 429 | - 400-500 | Pass |
| 15 | Spot : Workshop and Warehouse : 2nd Floor : พื้น MM 4 | 2443997 (8)-13 | 8-May-2024 | Day time | 1 | 484 | - 400-500 | Pass |
| 16 | Spot : Workshop and Warehouse : 2nd Floor : พื้น MM Manager | 2443997 (8)-14 | 8-May-2024 | Day time | 1 | 409 | - 400-500 | Pass |
| 17 | Area : Workshop and Warehouse : 2nd Floor : ทางเดิน ชั้น 2 | 2443997 (8)-15 | 8-May-2024 | Day time | 1 | 754 | 595 50 100 | Pass |
| | | 2443997 (8)-16 | 8-May-2024 | Day time | 2 | 378 | | |
| | | 2443997 (8)-17 | 8-May-2024 | Day time | 3 | 653 | | |
| 18 | Area : Workshop and Warehouse : 2nd Floor : ทางเดินโถ ชั้น 2 | 2443997 (8)-18 | 8-May-2024 | Day time | 1 | 204 | 208 50 100 | Pass |
| | | 2443997 (8)-19 | 8-May-2024 | Day time | 2 | 212 | | |

Technical Management

Supot S.

Supot Salamteh
Section Head

Approved by

Wichan Choonharat

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2443997 (8)
Date Received : May 10, 2024
Date Reported : May 15, 2024
Report Number: 2443997 (8)-1 C6

Page 2 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot | Average | Guideline Limit Spot/Min | Average | Comment |
|-------------|--|------------------|------------|----------|-----|---------------------------|---------|-----------------------------|---------|---------|
| 19 | Area : Workshop and Warehouse : 2nd Floor : ชั้น 2 | 2443997 (8)-20 | 8-May-2024 | Day time | 1 | 208 | 204 | 50 | 100 | Pass |
| | | 2443997 (8)-21 | 8-May-2024 | Day time | 2 | 201 | | | | |
| 20 | Area : Workshop and Warehouse : 2nd Floor : ห้องเก็บเอกสาร | 2443997 (8)-22 | 8-May-2024 | Day time | 1 | 345 | 342 | 100 | 200 | Pass |
| | | 2443997 (8)-23 | 8-May-2024 | Day time | 2 | 339 | | | | |
| 21 | Area : Workshop and Warehouse : 2nd Floor : ห้องประชุม | 2443997 (8)-24 | 8-May-2024 | Day time | 1 | 420 | 438 | 50 | 100 | Pass |
| | | 2443997 (8)-25 | 8-May-2024 | Day time | 2 | 456 | | | | |
| 22 | Area : Workshop and Warehouse : 2nd Floor : ห้องประชุม | 2443997 (8)-26 | 8-May-2024 | Day time | 1 | 633 | 1076 | 150 | 300 | Pass |
| | | 2443997 (8)-27 | 8-May-2024 | Day time | 2 | 941 | | | | |
| | | 2443997 (8)-28 | 8-May-2024 | Day time | 3 | 763 | | | | |
| | | 2443997 (8)-29 | 8-May-2024 | Day time | 4 | 1,285 | | | | |
| | | 2443997 (8)-30 | 8-May-2024 | Day time | 5 | 1,385 | | | | |
| | | 2443997 (8)-31 | 8-May-2024 | Day time | 6 | 1,450 | | | | |
| 23 | Area : Workshop and Warehouse : 2nd Floor : ห้องพัสดุ W/H | 2443997 (8)-32 | 8-May-2024 | Day time | 1 | 627 | 571 | 25 | 50 | Pass |
| | | 2443997 (8)-33 | 8-May-2024 | Day time | 2 | 515 | | | | |
| 24 | Area : Workshop and Warehouse : 2nd Floor : Store | 2443997 (8)-34 | 8-May-2024 | Day time | 1 | 395 | 913 | 100 | 200 | Pass |
| | | 2443997 (8)-35 | 8-May-2024 | Day time | 2 | 410 | | | | |
| | | 2443997 (8)-36 | 8-May-2024 | Day time | 3 | 290 | | | | |
| | | 2443997 (8)-37 | 8-May-2024 | Day time | 4 | 368 | | | | |
| | | 2443997 (8)-38 | 8-May-2024 | Day time | 5 | 951 | | | | |
| | | 2443997 (8)-39 | 8-May-2024 | Day time | 6 | 1,123 | | | | |
| | | 2443997 (8)-40 | 8-May-2024 | Day time | 7 | 1,186 | | | | |
| | | 2443997 (8)-41 | 8-May-2024 | Day time | 8 | 1,329 | | | | |
| | | 2443997 (8)-42 | 8-May-2024 | Day time | 9 | 1,467 | | | | |
| | | 2443997 (8)-43 | 8-May-2024 | Day time | 10 | 1,407 | | | | |
| | | 2443997 (8)-44 | 8-May-2024 | Day time | 11 | 1,387 | | | | |
| | | 2443997 (8)-45 | 8-May-2024 | Day time | 12 | 1,209 | | | | |
| | | 2443997 (8)-46 | 8-May-2024 | Day time | 13 | 654 | | | | |
| | | 2443997 (8)-47 | 8-May-2024 | Day time | 14 | 766 | | | | |
| | | 2443997 (8)-48 | 8-May-2024 | Day time | 15 | 808 | | | | |
| | | 2443997 (8)-49 | 8-May-2024 | Day time | 16 | 852 | | | | |

Measurement by : Nattakarn Vonghnyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supt S
Supt Salameh
Section Head

Approved by

Nichan Ch
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.
225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140
P/O :
Project Name : Monitoring EIA
Project Location : GTS4

Lot ID: 2443997 (9)
Date Received : May 10, 2024
Date Reported : May 15, 2024
Report Number: 2443997 (9)-1 C6

Page 1 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) Spot | Average | Guideline Limit Spot/Min | Average | Comment |
|-------------|---|------------------|------------|----------|-----|---------------------------|---------|-----------------------------|---------|---------|
| 1 | Area : Workshop and Warehouse : Ground Floor : Store ชั้น 1 | 2443997 (9)-1 | 8-May-2024 | Day time | 1 | 533 | 464 | 100 | 200 | Pass |
| | | 2443997 (9)-2 | 8-May-2024 | Day time | 2 | 493 | | | | |
| | | 2443997 (9)-3 | 8-May-2024 | Day time | 3 | 570 | | | | |
| | | 2443997 (9)-4 | 8-May-2024 | Day time | 4 | 536 | | | | |
| | | 2443997 (9)-5 | 8-May-2024 | Day time | 5 | 209 | | | | |
| | | 2443997 (9)-6 | 8-May-2024 | Day time | 6 | 212 | | | | |
| | | 2443997 (9)-7 | 8-May-2024 | Day time | 7 | 613 | | | | |
| | | 2443997 (9)-8 | 8-May-2024 | Day time | 8 | 596 | | | | |
| | | 2443997 (9)-9 | 8-May-2024 | Day time | 9 | 474 | | | | |
| | | 2443997 (9)-10 | 8-May-2024 | Day time | 10 | 472 | | | | |
| | | 2443997 (9)-11 | 8-May-2024 | Day time | 11 | 395 | | | | |
| | | 2443997 (9)-12 | 8-May-2024 | Day time | 12 | 339 | | | | |
| | | 2443997 (9)-13 | 8-May-2024 | Day time | 13 | 532 | | | | |
| | | 2443997 (9)-14 | 8-May-2024 | Day time | 14 | 458 | | | | |
| | | 2443997 (9)-15 | 8-May-2024 | Day time | 15 | 511 | | | | |
| | | 2443997 (9)-16 | 8-May-2024 | Day time | 16 | 473 | | | | |
| 2 | Area : Workshop and Warehouse : Ground Floor : ห้องพัสดุ W/H | 2443997 (9)-17 | 8-May-2024 | Day time | 1 | 614 | 648 | 50 | 100 | Pass |
| | | 2443997 (9)-18 | 8-May-2024 | Day time | 2 | 683 | | | | |
| 3 | Area : Workshop and Warehouse : Ground Floor : ห้องพัสดุ W/H ชั้น 1 | 2443997 (9)-19 | 8-May-2024 | Day time | 1 | 770 | 695 | 50 | 100 | Pass |
| | | 2443997 (9)-20 | 8-May-2024 | Day time | 2 | 620 | | | | |
| 4 | Area : Workshop and Warehouse : Ground Floor : ห้องพัสดุ ชั้น 1 | 2443997 (9)-21 | 8-May-2024 | Day time | 1 | 623 | 543 | 50 | 100 | Pass |
| | | 2443997 (9)-22 | 8-May-2024 | Day time | 2 | 633 | | | | |
| | | 2443997 (9)-23 | 8-May-2024 | Day time | 3 | 531 | | | | |
| | | 2443997 (9)-24 | 8-May-2024 | Day time | 4 | 457 | | | | |
| | | 2443997 (9)-25 | 8-May-2024 | Day time | 5 | 609 | | | | |
| | | 2443997 (9)-26 | 8-May-2024 | Day time | 6 | 405 | | | | |
| 5 | Area : Workshop and Warehouse : Ground Floor : ห้อง Tool Room (AC 1-3) | 2443997 (9)-27 | 8-May-2024 | Day time | 1 | 944 | 884 | 100 | 200 | Pass |
| | | 2443997 (9)-28 | 8-May-2024 | Day time | 2 | 905 | | | | |
| | | 2443997 (9)-29 | 8-May-2024 | Day time | 3 | 803 | | | | |
| 6 | Spot : Workshop and Warehouse : Ground Floor : ห้อง W/H Office 1 TS4 | 2443997 (9)-30 | 8-May-2024 | Day time | 1 | 475 | - | 400-500 | - | Pass |
| 7 | Spot : Workshop and Warehouse : Ground Floor : ห้อง W/H Office 2 TS3 | 2443997 (9)-31 | 8-May-2024 | Day time | 1 | 470 | - | 400-500 | - | Pass |
| 8 | Spot : Workshop and Warehouse : Ground Floor : ห้อง Calibration ห้องปฏิบัติการเครื่องมือวัด | 2443997 (9)-32 | 8-May-2024 | Day time | 1 | 677 | - | 400-500 | - | Pass |

Technical Management

Supt S
Supt Salameh
Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf TS4 Co., Ltd.

225 Moo 3, WHA Eastern Seaboard Industrial Estate 1, Tasit, Pluak Daeng, Rayong Thailand 21140

P/O :

Project Name : Monitoring EIA

Project Location: GTS4

Lot ID: 2443997 (9)

Date Received : May 10, 2024

Date Reported : May 15, 2024

Report Number: 2443997 (9)-1 C6

Page 2 of 2

GTS3

| Lay out No. | Location | Reference Number | Date | Time | No. | Illuminance (Lux) | | Guideline Limit | | Comment |
|-------------|--|------------------|------------|----------|-----|-------------------|---------|-----------------|---------|---------|
| | | | | | | Spot | Average | Spot/Min | Average | |
| 9 | Area : Workshop and Warehouse : Ground Floor : ห้องปฏิบัติงานเครื่องจักรกลไฟฟ้า | 2443997 (9)-33 | 8-May-2024 | Day time | 1 | 685 | 812 | 150 | 300 | Pass |
| | | 2443997 (9)-34 | 8-May-2024 | Day time | 2 | 929 | | | | |
| | | 2443997 (9)-35 | 8-May-2024 | Day time | 3 | 883 | | | | |
| | | 2443997 (9)-36 | 8-May-2024 | Day time | 4 | 797 | | | | |
| | | 2443997 (9)-37 | 8-May-2024 | Day time | 5 | 865 | | | | |
| | | 2443997 (9)-38 | 8-May-2024 | Day time | 6 | 847 | | | | |
| | | 2443997 (9)-39 | 8-May-2024 | Day time | 7 | 901 | | | | |
| | | 2443997 (9)-40 | 8-May-2024 | Day time | 8 | 547 | | | | |
| | | 2443997 (9)-41 | 8-May-2024 | Day time | 9 | 853 | | | | |

Measurement by : Naitakam Vonginyoo

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

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ภาคผนวก ค-10

แผนผังแสดงเส้นระดับเสียง (Noise Contour Map)



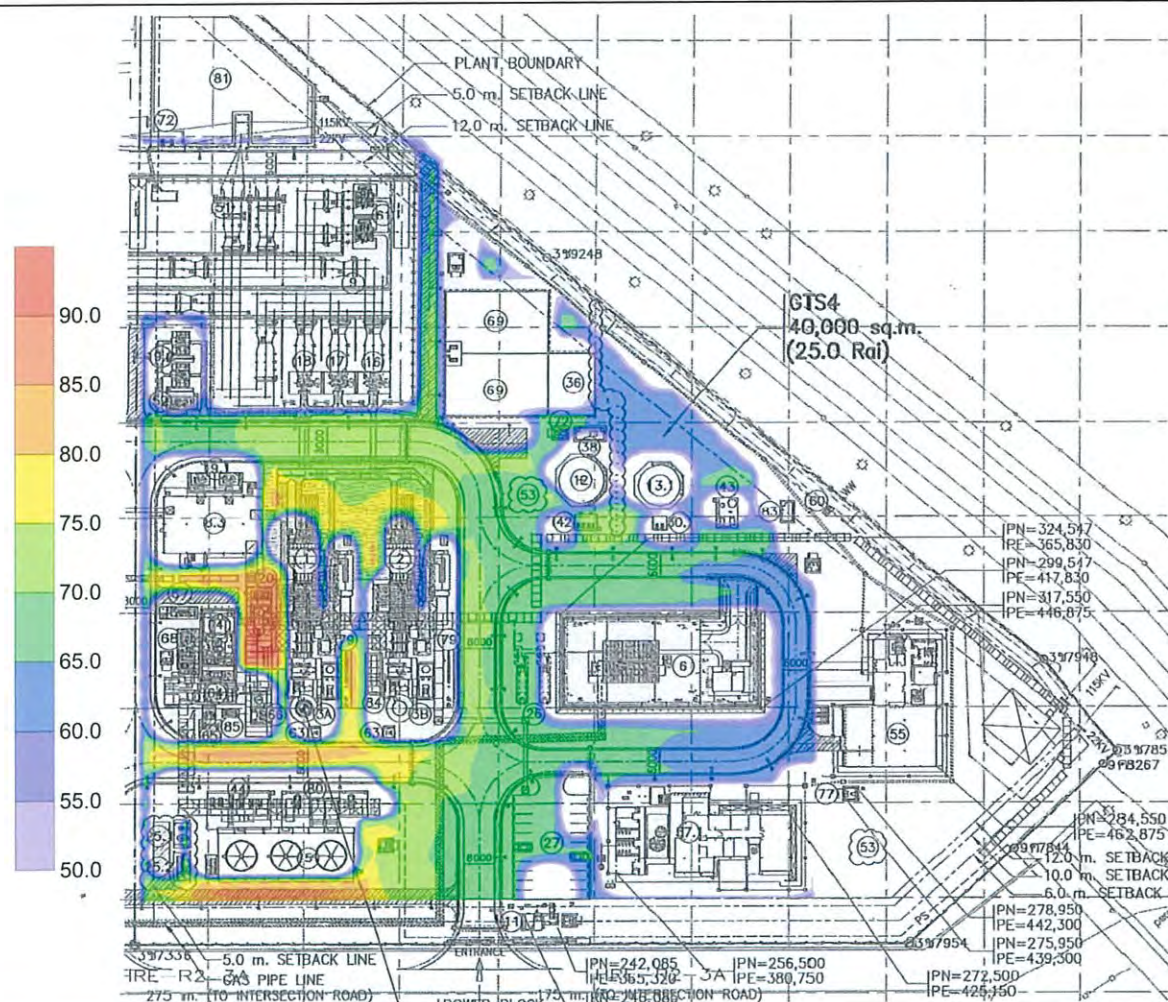
Noise Contour Map

Name Project : Gulf TS4 Co., Ltd.

บริเวณพื้นที่โรงไฟฟ้าตาสีทรี 4

Reference Number : Lot 20133934-1

Measurement Date : Aug 26, 2021



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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