

รายงานผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม
ระยะก่อสร้าง



รายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง
เดือนมกราคม พ.ศ. 2568



ANALYSIS REPORT

PROJECT NAME : โครงการเคเอนโคเน งานรายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม ระหว่างดำเนินการก่อสร้าง CLUBHOUSE และ งานปรับเปลี่ยนบันไดวนออกเป็นพื้นที่ห้องอาหาร (ระยะฐานราก)

CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED

ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION : TEL : 0 2537 1885 e-mail : anupon.d@energycomplex.co.th

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : JANUARY 17, 2025

SAMPLING TIME : 10:55 HOUR

SAMPLING METHOD : GRAB

SAMPLING BY : MR SETTHAWUT EMKLINBUA

ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JANUARY 18, 2025

ANALYTICAL DATE : JANUARY 18-23, 2025

ISSUE DATE : JANUARY 29, 2025

REPORT NO. : 2025-U007032

WORK NO. : 2024-006278

ANALYSIS NO. : T25AB075-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ปล่อยน้ำทิ้งผ่านระบบบำบัดน้ำเสีย T25AB075-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.2 (25.9°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	564	≤ 50	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	255	≤ 60	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	747	-	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ²⁻ F)	0.62	-	-	0.50
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.7	-	0.1	-
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	318	-	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	20	≤ 20	-	3
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

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

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS D, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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LABORATORY SUPERVISOR



รายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง
เดือนกุมภาพันธ์ พ.ศ. 2568



ANALYSIS REPORT

PROJECT NAME : โครงการดิเอนโคน์ งานรายงานผลการปฏิบัติงานตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม ระหว่างดำเนินการก่อสร้าง CLUBHOUSE และ งานปรับเปลี่ยนบันไดวนออกเป็นพื้นที่ห้องอาหาร (ระยะฐานราก)

CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED

ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION : TEL : 0 2537 1885 e-mail : anupon.d@energycomplex.co.th

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT **RECEIVED DATE** : FEBRUARY 28, 2025

SAMPLING DATE : FEBRUARY 27, 2025 **ANALYTICAL DATE** : FEBRUARY 28 - MARCH 6, 2025

SAMPLING TIME : 10:10 HOUR **ISSUE DATE** : MARCH 11, 2025

SAMPLING METHOD : GRAB **REPORT NO.** : 2025-U020046

SAMPLING BY : MR THANADET WANSANOR **WORK NO.** : 2025-000588

ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM **ANALYSIS NO.** : T25AE281-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			บ่อพักน้ำส่งผ่านระบบบำบัดน้ำเสีย T25AE281-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (31.8°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	666	≤ 50	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	201	≤ 60	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	709	-	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.5	-	0.1	-
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ²⁻ F)	3.2	-	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	317	-	1.5	5.0
OIL AND GREASE ^b	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	10	≤ 20	-	3
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS D, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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[REDACTED]
LABORATORY SUPERVISOR



รายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง
เดือนมีนาคม พ.ศ. 2568



ANALYSIS REPORT

PROJECT NAME : โครงการดีเอนโคน์ งานรายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม ระหว่างดำเนินการก่อสร้าง CLUBHOUSE และ งานปรับเปลี่ยนบันไดวนออกเป็นพื้นที่ห้องอาหาร (ระยะฐานราก)

CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED

ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qshe.encony@encony.com

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT **RECEIVED DATE** : MARCH 17, 2025

SAMPLING DATE : MARCH 17, 2025 **ANALYTICAL DATE** : MARCH 17-24, 2025

SAMPLING TIME : 10:37 HOUR **ISSUE DATE** : MARCH 27, 2025

SAMPLING METHOD : GRAB **REPORT NO.** : 2025-U026360

SAMPLING BY : MR KITIPONG SONCHAIYAPHUM **WORK NO.** : 2025-000588

ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM **ANALYSIS NO.** : T25AF701-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ข้อพิพาทน้ำส่งผ่านระบบบำบัดน้ำเสีย T25AF701-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.2 (29.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	352	≤ 50	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	1,080	≤ 60	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	550	-	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	30.0	-	0.1	-
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ² - F)	5.2	-	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	471	-	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	123	≤ 20	-	3
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			BROWN/TURBID			
SEDIMENT			BROWN			

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS D, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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LABORATORY SUPERVISOR



รายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง
เดือนเมษายน พ.ศ. 2568



รายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง
เดือนพฤษภาคม พ.ศ. 2568



ANALYSIS REPORT

PROJECT NAME : โครงการดีเอนโคปี งานรายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม ระหว่างดำเนินการก่อสร้าง CLUBHOUSE และ งานปรับเปลี่ยนบันไดวนออกเป็นพื้นที่ห้องอาหาร (ระยะฐานราก)

CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED

ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qshe.encony@encony.com

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT **RECEIVED DATE** : MAY 20, 2025

SAMPLING DATE : MAY 19, 2025 **ANALYTICAL DATE** : MAY 20-26, 2025

SAMPLING TIME : 10:30 HOUR **ISSUE DATE** : MAY 29, 2025

SAMPLING METHOD : GRAB **REPORT NO.** : 2025-U048201

SAMPLING BY : MR SETTHAWUT EMKLINBUA **WORK NO.** : 2025-000588

ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM **ANALYSIS NO.** : T25AK781-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลพิก่น้ำหลังผ่านระบบบำบัดน้ำเสีย T25AK781-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.4 (28.9°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	32.0	≤ 50	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	498	≤ 60	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	212	-	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	3.0	-	0.1	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ² F)	< 0.50	-	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	39.4	-	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	4	≤ 20	-	3
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			


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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS D, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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 (MISS WILAILAK SKISUK)
 LABORATORY SUPERVISOR

รายงานผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง
เดือนมิถุนายน พ.ศ. 2568



ANALYSIS REPORT

PROJECT NAME : โครงการดิเอนโคซี่ งานรายงานผลการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม ระหว่างดำเนินการก่อสร้าง CLUBHOUSE และ งานปรับเปลี่ยนบันไดวนออกเป็นพื้นที่ห้องอาหาร (ระยะฐานราก)

CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED

ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900

CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qshe.encony@encony.com

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : JUNE 16, 2025

SAMPLING TIME : 09:38 HOUR

SAMPLING METHOD : GRAB

SAMPLING BY : MR SETTHAWUT EMKLINBUA

ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JUNE 17, 2025

ANALYTICAL DATE : JUNE 17-24, 2025

ISSUE DATE : JUNE 26, 2025

REPORT NO. : 2025-U057947

WORK NO. : 2025-000588

ANALYSIS NO. : T25AN173-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			บ่งพิกัดน้ำส่งผ่านระบบบำบัดน้ำเสีย T25AN173-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.1 (28.5°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	266	≤ 50	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	122	≤ 60	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	777	-	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	12	-	0.1	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ²⁻ F)	3.0	-	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	260	-	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	12	≤ 20	-	3
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			GREY			

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

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^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS D, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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[REDACTED]
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(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

รายงานผลการติดตามตรวจสอบคุณภาพอากาศ เสียง
และความสั่นสะเทือน ในบรรยากาศโดยทั่วไป



รายงานผลการติดตามตรวจสอบ คุณภาพอากาศ เสี่ยง
และความสั่นสะเทือน ในบรรยากาศโดยทั่วไป
เดือนมกราคม พ.ศ. 2568





United Analyst and Engineering Consultant Co., Ltd.

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Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaeconsultant.com E-mail: uaec@uaeconsultant.com

NSC-TSI-17025
TESTING 0207

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินตามมาตรการส่งเสริมการลงทุนในเขตอุตสาหกรรม จังหวัดนนทบุรี
CUSTOMER NAME : CLUBHOUSE และ งานรับเหมาก่อสร้างอาคารพาณิชย์ (รวมก่อสร้าง)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 55/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
SAMPLING SOURCE : TEL : 0 2537 1885 e-mail : anupond@energycomplex.co.th
SAMPLE TYPE : ภายในพื้นที่อาคารพาณิชย์
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR WORRAPONG NONTHAJAN
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : JANUARY 13, 2025
ANALYTICAL DATE : JANUARY 13-14, 2025
ISSUE DATE : JANUARY 16, 2025
REPORT NO. : 2025-U003860
WORK NO. : 2024-006278
ANALYSIS NO. : T25AA652-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	ภายในพื้นที่อาคารพาณิชย์ พลาซ่า C T25AA652-0001 0.58
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.076
SAMPLE CONDITION			COMPLETE

REMARK

TSP, PM₁₀
TSP : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD)
REVISED AS OF JULY 1, 2021.
PM₁₀ : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD)
REVISED AS OF JULY 1, 2021.
: SAMPLING FROM 1100 HOUR ON JANUARY 9, 2025 TO 1100 HOUR ON JANUARY 10, 2025.

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BY SS GROUP (THAILAND) CO., LTD.

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• THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

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- End of Analysis Report -



United Analyst and Engineering Consultant Co., Ltd.

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NSC-TSI-17025
TESTING 0207

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินตามมาตรการส่งเสริมการลงทุนในเขตอุตสาหกรรม จังหวัดนนทบุรี
CUSTOMER NAME : CLUBHOUSE และ งานรับเหมาก่อสร้างอาคารพาณิชย์ (รวมก่อสร้าง)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 55/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
SAMPLING SOURCE : TEL : 0 2537 1885 e-mail : anupond@energycomplex.co.th
SAMPLE TYPE : ภายในพื้นที่อาคารพาณิชย์
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR WORRAPONG NONTHAJAN
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : JANUARY 13, 2025
ANALYTICAL DATE : JANUARY 13-14, 2025
ISSUE DATE : JANUARY 16, 2025
REPORT NO. : 2025-U003861
WORK NO. : 2024-006278
ANALYSIS NO. : T25AA652-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	ภายในพื้นที่อาคาร T25AA652-0002 0.043
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.028
SAMPLE CONDITION			COMPLETE

REMARK

TSP, PM₁₀
TSP : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD)
REVISED AS OF JULY 1, 2021.
PM₁₀ : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD)
REVISED AS OF JULY 1, 2021.
: SAMPLING FROM 1100 HOUR ON JANUARY 9, 2025 TO 1100 HOUR ON JANUARY 10, 2025.

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- End of Analysis Report -



ANALYSIS REPORT

PROJECT NAME : โรงงานผลิตและจำหน่ายสารเคมีและสารเคมีภัณฑ์ในอุตสาหกรรม ยางพาราในภาคใต้
CUSTOMER NAME : CLUBHOUSE และ งานบริการด้านพลังงานและสิ่งแวดล้อม (ระบบไฟฟ้า)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
: 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2537 1885 e-mail : anupond@energycomplex.co.th
MEASURING PLACE : งานบริการด้านพลังงานและสิ่งแวดล้อม ยางพาราในภาคใต้
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JANUARY 9-10, 2025
MEASURING TIME : *
MEASURING METHOD : NON-DISPERIVE INFRARED DETECTION
MEASURED BY : MR WORAPONG NONGTHAN
RECEIVED DATE : JANUARY 9-10, 2025
ANALYTICAL DATE : JANUARY 9-10, 2025
ISSUE DATE : JANUARY 17, 2025
REPORT NO. : 2025-U004060
WORK NO. : 2024-006278
ANALYSIS NO. : T25AA652-0001

TIME *	RESULT (ppm)	
	CARBON MONOXIDE	
	งานบริการด้านพลังงานและสิ่งแวดล้อม ยางพาราในภาคใต้	
	JANUARY 9 - 10, 2025	
	T25AA652-0001	
11:00-12:00 HOUR	0.75	
12:00-13:00 HOUR	0.68	
13:00-14:00 HOUR	0.65	
14:00-15:00 HOUR	0.66	
15:00-16:00 HOUR	0.68	
16:00-17:00 HOUR	0.70	
17:00-18:00 HOUR	0.70	
18:00-19:00 HOUR	0.71	
19:00-20:00 HOUR	0.73	
20:00-21:00 HOUR	0.75	
21:00-22:00 HOUR	0.79	
22:00-23:00 HOUR	0.80	
23:00-00:00 HOUR	0.80	
00:00-01:00 HOUR	0.78	
01:00-02:00 HOUR	0.75	
02:00-03:00 HOUR	0.73	
03:00-04:00 HOUR	0.69	
04:00-05:00 HOUR	0.67	
05:00-06:00 HOUR	0.68	
06:00-07:00 HOUR	0.73	
07:00-08:00 HOUR	0.78	
08:00-09:00 HOUR	0.80	
09:00-10:00 HOUR	0.79	
10:00-11:00 HOUR		

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ANALYSIS REPORT

PROJECT NAME : โรงงานผลิตและจำหน่ายสารเคมีและสารเคมีภัณฑ์ในอุตสาหกรรม ยางพาราในภาคใต้
CUSTOMER NAME : CLUBHOUSE และ งานบริการด้านพลังงานและสิ่งแวดล้อม (ระบบไฟฟ้า)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
: 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2537 1885 e-mail : anupond@energycomplex.co.th
MEASURING PLACE : งานบริการด้านพลังงานและสิ่งแวดล้อม ยางพาราในภาคใต้
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JANUARY 9-10, 2025
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR WORAPONG NONGTHAN
RECEIVED DATE : JANUARY 9-10, 2025
ANALYTICAL DATE : JANUARY 9-10, 2025
ISSUE DATE : JANUARY 17, 2025
REPORT NO. : 2025-U004061
WORK NO. : 2024-006278
ANALYSIS NO. : T25AA652-0001

TIME *	RESULT (ppm)	
	NITROGEN DIOXIDE	
	งานบริการด้านพลังงานและสิ่งแวดล้อม ยางพาราในภาคใต้	
	JANUARY 9 - 10, 2025	
	T25AA652-0001	
11:00-12:00 HOUR	0.0103	
12:00-13:00 HOUR	0.0103	
13:00-14:00 HOUR	0.0102	
14:00-15:00 HOUR	0.0104	
15:00-16:00 HOUR	0.0096	
16:00-17:00 HOUR	0.0083	
17:00-18:00 HOUR	0.0079	
18:00-19:00 HOUR	0.0073	
19:00-20:00 HOUR	0.0072	
20:00-21:00 HOUR	0.0074	
21:00-22:00 HOUR	0.0077	
22:00-23:00 HOUR	0.0084	
23:00-00:00 HOUR	0.0092	
00:00-01:00 HOUR	0.0102	
01:00-02:00 HOUR	0.0095	
02:00-03:00 HOUR	0.0088	
03:00-04:00 HOUR	0.0075	
04:00-05:00 HOUR	0.0072	
05:00-06:00 HOUR	0.0075	
06:00-07:00 HOUR	0.0078	
07:00-08:00 HOUR	0.0085	
08:00-09:00 HOUR	0.0086	
09:00-10:00 HOUR	0.0093	
10:00-11:00 HOUR	0.0094	

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ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินเพื่อสร้างอาคารพาณิชย์และที่อยู่อาศัย (อาคารพาณิชย์)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2537 1885 e-mail : anupon.d@energycomplex.co.th
MEASURING PLACE : ภายในพื้นที่ก่อสร้างอาคารพาณิชย์
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JANUARY 9-10, 2025
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR. WORRAPON NONGHAJAN

RECEIVED DATE : JANUARY 9-10, 2025
ANALYTICAL DATE : JANUARY 9-10, 2025
ISSUE DATE : JANUARY 17, 2025
REPORT NO. : 2025-U004063
WORK NO. : 2024-006278
ANALYSIS NO. : T25A652-0001

TIME *	RESULT (ppm)
SULPHUR DIOXIDE	
ภายในพื้นที่ก่อสร้างอาคารพาณิชย์ C	
JANUARY 9 - 10, 2025	
T25A652-0001	
11:00-12:00 HOUR	0.0025
12:00-13:00 HOUR	0.0026
13:00-14:00 HOUR	0.0031
14:00-15:00 HOUR	0.0030
15:00-16:00 HOUR	0.0028
16:00-17:00 HOUR	0.0025
17:00-18:00 HOUR	0.0026
18:00-19:00 HOUR	0.0027
19:00-20:00 HOUR	0.0024
20:00-21:00 HOUR	0.0025
21:00-22:00 HOUR	0.0028
22:00-23:00 HOUR	0.0029
23:00-00:00 HOUR	0.0030
00:00-01:00 HOUR	0.0026
01:00-02:00 HOUR	0.0027
02:00-03:00 HOUR	0.0030
03:00-04:00 HOUR	0.0030
04:00-05:00 HOUR	0.0032
05:00-06:00 HOUR	0.0031
06:00-07:00 HOUR	0.0027
07:00-08:00 HOUR	0.0025
08:00-09:00 HOUR	0.0026
09:00-10:00 HOUR	0.0027
10:00-11:00 HOUR	0.0029
AVERAGE 24 HOUR	0.0028

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินเพื่อสร้างอาคารพาณิชย์และที่อยู่อาศัย (อาคารพาณิชย์)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2537 1885 e-mail : anupon.d@energycomplex.co.th
MEASURING PLACE : ภายในพื้นที่ก่อสร้างอาคารพาณิชย์ C
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : JANUARY 9-10, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION***
MEASURED BY : MR. WORRAPON NONGHAJAN

RECEIVED DATE : JANUARY 9-10, 2025
ANALYTICAL DATE : JANUARY 9-10, 2025
ISSUE DATE : JANUARY 17, 2025
REPORT NO. : 2025-U004064
WORK NO. : 2024-006278
ANALYSIS NO. : T25A652-0003

DATE	TIME#	RESULT (dB(A))					
		ภายในพื้นที่ก่อสร้างอาคารพาณิชย์ C					
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL		
JANUARY 9, 2025 T25A652-0003	DAY TIME ^{1/}	11:00-12:00 HOUR	54.3 ^v	52.1 ^{ss}	50.3 ^v	45.7 ^{ss}	4.6
		12:00-13:00 HOUR	54.0 ^v	52.4 ^{ss}	48.9 ^v	43.9 ^{ss}	5.0
		13:00-14:00 HOUR	55.2 ^v	52.5 ^{ss}	51.9 ^v	45.8 ^{ss}	6.1
		14:00-15:00 HOUR	55.9 ^v	53.9 ^{ss}	51.6 ^v	47.7 ^{ss}	3.9
		15:00-16:00 HOUR	59.2 ^v	57.6 ^{ss}	54.1 ^v	52.5 ^{ss}	1.6
		16:00-17:00 HOUR	60.3 ^v	58.0 ^{ss}	56.4 ^v	56.0 ^{ss}	<0.8 ^v
		17:00-18:00 HOUR	59.2 ^v	57.3 ^{ss}	54.7 ^v	53.6 ^{ss}	1.1
		18:00-19:00 HOUR	56.1 ^v	54.7 ^{ss}	50.5 ^v	50.8 ^{ss}	<0.8 ^v
		19:00-20:00 HOUR	54.1 ^v	51.9 ^{ss}	50.1 ^v	50.5 ^{ss}	<0.8 ^v
		20:00-21:00 HOUR	54.2 ^v	52.5 ^{ss}	49.3 ^v	51.0 ^{ss}	<0.8 ^v
		21:00-22:00 HOUR	51.8 ^v	50.3 ^{ss}	46.5 ^v	48.7 ^{ss}	<0.8 ^v
	NIGHT TIME ^{2/}	22:00-22:05 HOUR	51.3 ^v	50.1 ^{ss}	48.2 ^v	48.9 ^{ss}	<0.8 ^v
		22:05-22:10 HOUR	51.5 ^v	50.1 ^{ss}	49.0 ^v	48.9 ^{ss}	<0.8 ^v
		22:10-22:15 HOUR	51.0 ^v	50.1 ^{ss}	46.5 ^v	48.9 ^{ss}	<0.8 ^v
		22:15-22:20 HOUR	50.9 ^v	48.7 ^{ss}	50.0 ^v	47.1 ^{ss}	2.9
		22:20-22:25 HOUR	51.6 ^v	48.7 ^{ss}	51.6 ^v	47.1 ^{ss}	4.5
		22:25-22:30 HOUR	51.2 ^v	48.7 ^{ss}	50.5 ^v	47.1 ^{ss}	3.4
		22:30-22:35 HOUR	50.6 ^v	49.0 ^{ss}	48.3 ^v	46.9 ^{ss}	1.4
		22:35-22:40 HOUR	51.1 ^v	49.0 ^{ss}	49.9 ^v	46.9 ^{ss}	3.0
		22:40-22:45 HOUR	51.4 ^v	49.0 ^{ss}	50.6 ^v	46.9 ^{ss}	3.7
		22:45-22:50 HOUR	51.5 ^v	49.7 ^{ss}	49.7 ^v	47.4 ^{ss}	2.3
		22:50-22:55 HOUR	50.4 ^v	49.7 ^{ss}	45.4 ^v	47.4 ^{ss}	<0.8 ^v
	DAY TIME ^{1/}	22:55-23:00 HOUR	51.7 ^v	49.7 ^{ss}	50.5 ^v	47.4 ^{ss}	3.1
		23:00-23:05 HOUR	51.7 ^v	49.3 ^{ss}	50.9 ^v	47.7 ^{ss}	3.2
		23:05-23:10 HOUR	51.0 ^v	49.3 ^{ss}	49.1 ^v	47.7 ^{ss}	1.4
		23:10-23:15 HOUR	50.1 ^v	49.3 ^{ss}	45.4 ^v	47.7 ^{ss}	<0.8 ^v
		23:15-23:20 HOUR	49.8 ^v	48.6 ^{ss}	46.5 ^v	47.5 ^{ss}	<0.8 ^v
		23:20-23:25 HOUR	49.7 ^v	48.6 ^{ss}	46.1 ^v	47.5 ^{ss}	<0.8 ^v
		23:25-23:30 HOUR	49.6 ^v	48.6 ^{ss}	45.8 ^v	47.5 ^{ss}	<0.8 ^v
		AVERAGE 24 HOUR	50.6 ^v	48.6 ^{ss}	47.5 ^v	47.5 ^{ss}	

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
JANUARY 9, 2025 T25A652-0003	NIGHT TIME 2/					
	23:30-23:35 HOUR	49.6 ^u	47.8 ^u	47.9 ^u	46.3 ^u	1.2
	23:35-23:40 HOUR	49.5 ^u	47.8 ^u	47.9 ^u	46.3 ^u	1.0
	23:40-23:45 HOUR	50.1 ^u	47.8 ^u	49.3 ^u	46.7 ^u	2.6
	23:45-23:50 HOUR	49.6 ^u	47.9 ^u	47.8 ^u	46.6 ^u	1.2
	23:50-23:55 HOUR	49.4 ^u	47.9 ^u	47.2 ^u	46.6 ^u	<0.8 ^u
	23:55-00:00 HOUR	49.1 ^u	47.9 ^u	45.9 ^u	46.6 ^u	<0.8 ^u
	NIGHT TIME 2/					
	00:00-00:05 HOUR	50.6 ^u	48.0 ^u	50.0 ^u	46.6 ^u	3.4
	00:05-00:10 HOUR	49.9 ^u	48.0 ^u	48.3 ^u	46.6 ^u	1.7
JANUARY 10, 2025 T25A652-0003	00:10-00:15 HOUR	49.6 ^u	48.0 ^u	47.4 ^u	46.6 ^u	0.8
	00:15-00:20 HOUR	50.8 ^u	49.2 ^u	48.6 ^u	48.0 ^u	<0.8 ^u
	00:20-00:25 HOUR	49.8 ^u	49.2 ^u	44.0 ^u	48.0 ^u	<0.8 ^u
	00:25-00:30 HOUR	49.1 ^u	49.2 ^u	<0.8 ^u	48.0 ^u	<0.8 ^u
	00:30-00:35 HOUR	50.3 ^u	49.1 ^u	47.0 ^u	47.5 ^u	<0.8 ^u
	00:35-00:40 HOUR	49.1 ^u	49.1 ^u	44.5 ^u	47.5 ^u	<0.8 ^u
	00:40-00:45 HOUR	50.3 ^u	49.1 ^u	46.9 ^u	47.5 ^u	<0.8 ^u
	00:45-00:50 HOUR	49.3 ^u	48.3 ^u	45.4 ^u	47.2 ^u	<0.8 ^u
	00:50-00:55 HOUR	49.0 ^u	48.3 ^u	43.7 ^u	47.2 ^u	<0.8 ^u
	00:55-01:00 HOUR	49.6 ^u	48.3 ^u	46.9 ^u	47.2 ^u	<0.8 ^u
JANUARY 10, 2025 T25A652-0003	01:00-01:05 HOUR	49.3 ^u	47.0 ^u	48.4 ^u	46.0 ^u	2.4
	01:05-01:10 HOUR	49.1 ^u	47.0 ^u	48.0 ^u	46.0 ^u	2.0
	01:10-01:15 HOUR	48.7 ^u	47.0 ^u	46.8 ^u	46.0 ^u	0.8
	01:15-01:20 HOUR	47.5 ^u	47.0 ^u	41.2 ^u	46.1 ^u	<0.8 ^u
	01:20-01:25 HOUR	47.7 ^u	47.0 ^u	42.3 ^u	46.1 ^u	<0.8 ^u
	01:25-01:30 HOUR	48.1 ^u	47.0 ^u	44.5 ^u	46.1 ^u	<0.8 ^u
	01:30-01:35 HOUR	48.2 ^u	47.5 ^u	43.0 ^u	46.0 ^u	<0.8 ^u
	01:35-01:40 HOUR	47.5 ^u	47.5 ^u	29.4 ^u	46.0 ^u	<0.8 ^u
	01:40-01:45 HOUR	48.9 ^u	47.5 ^u	46.2 ^u	46.0 ^u	<0.8 ^u
	01:45-01:50 HOUR	49.1 ^u	45.9 ^u	49.3 ^u	44.6 ^u	4.7
JANUARY 10, 2025 T25A652-0003	01:50-01:55 HOUR	47.3 ^u	45.9 ^u	44.8 ^u	44.6 ^u	<0.8 ^u
	01:55-02:00 HOUR	46.9 ^u	45.9 ^u	43.0 ^u	44.6 ^u	<0.8 ^u
	02:00-02:05 HOUR	48.7 ^u	47.2 ^u	46.5 ^u	45.6 ^u	4.4
	02:05-02:10 HOUR	50.1 ^u	47.2 ^u	50.0 ^u	45.6 ^u	4.4
	02:10-02:15 HOUR	48.4 ^u	47.2 ^u	45.4 ^u	45.6 ^u	<0.8 ^u
	02:15-02:20 HOUR	48.9 ^u	48.7 ^u	38.9 ^u	47.6 ^u	<0.8 ^u
	02:20-02:25 HOUR	50.1 ^u	48.7 ^u	47.5 ^u	47.6 ^u	<0.8 ^u
	02:25-02:30 HOUR	50.0 ^u	48.7 ^u	47.2 ^u	47.6 ^u	<0.8 ^u
	02:30-02:35 HOUR	50.0 ^u	49.0 ^u	46.2 ^u	47.0 ^u	<0.8 ^u
	02:35-02:40 HOUR	50.7 ^u	49.0 ^u	50.8 ^u	47.0 ^u	3.8
JANUARY 10, 2025 T25A652-0003	02:40-02:45 HOUR	50.7 ^u	49.0 ^u	48.7 ^u	47.0 ^u	1.7
	02:45-02:50 HOUR	51.0 ^u	47.7 ^u	51.2 ^u	46.3 ^u	4.9
	02:50-02:55 HOUR	50.5 ^u	47.7 ^u	50.3 ^u	46.3 ^u	4.0
	02:55-03:00 HOUR	48.5 ^u	47.7 ^u	43.8 ^u	46.3 ^u	<0.8 ^u
	03:00-03:05 HOUR	48.4 ^u	46.3 ^u	47.2 ^u	45.1 ^u	2.1

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THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
JANUARY 10, 2025 T25A652-0003	NIGHT TIME 2/					
	03:05-03:10 HOUR	48.3 ^u	46.3 ^u	47.0 ^u	45.1 ^u	1.9
	03:10-03:15 HOUR	48.7 ^u	46.3 ^u	47.9 ^u	45.1 ^u	2.8
	03:15-03:20 HOUR	49.1 ^u	46.6 ^u	48.6 ^u	45.6 ^u	3.0
	03:20-03:25 HOUR	49.1 ^u	46.6 ^u	48.5 ^u	45.6 ^u	2.9
	03:25-03:30 HOUR	49.0 ^u	46.6 ^u	48.2 ^u	45.6 ^u	2.6
	03:30-03:35 HOUR	49.0 ^u	48.0 ^u	45.3 ^u	47.0 ^u	<0.8 ^u
	03:35-03:40 HOUR	48.6 ^u	48.0 ^u	43.1 ^u	47.0 ^u	<0.8 ^u
	03:40-03:45 HOUR	48.9 ^u	48.0 ^u	44.6 ^u	47.5 ^u	<0.8 ^u
	03:45-03:50 HOUR	49.2 ^u	48.8 ^u	41.1 ^u	47.5 ^u	<0.8 ^u
JANUARY 10, 2025 T25A652-0003	03:50-03:55 HOUR	48.8 ^u	48.8 ^u	24.8 ^u	47.5 ^u	<0.8 ^u
	03:55-04:00 HOUR	49.6 ^u	48.8 ^u	44.7 ^u	47.5 ^u	<0.8 ^u
	04:00-04:05 HOUR	50.4 ^u	48.3 ^u	49.2 ^u	47.2 ^u	2.0
	04:05-04:10 HOUR	50.8 ^u	48.3 ^u	50.3 ^u	47.2 ^u	3.1
	04:10-04:15 HOUR	50.4 ^u	48.3 ^u	49.1 ^u	47.2 ^u	1.9
	04:15-04:20 HOUR	51.3 ^u	50.1 ^u	48.0 ^u	49.0 ^u	<0.8 ^u
	04:20-04:25 HOUR	50.9 ^u	50.1 ^u	46.0 ^u	49.0 ^u	<0.8 ^u
	04:25-04:30 HOUR	51.3 ^u	50.1 ^u	48.0 ^u	49.0 ^u	<0.8 ^u
	04:30-04:35 HOUR	50.5 ^u	48.5 ^u	49.3 ^u	47.5 ^u	1.8
	04:35-04:40 HOUR	50.1 ^u	48.5 ^u	48.1 ^u	47.5 ^u	<0.8 ^u
JANUARY 10, 2025 T25A652-0003	04:40-04:45 HOUR	50.1 ^u	48.5 ^u	47.8 ^u	47.5 ^u	<0.8 ^u
	04:45-04:50 HOUR	51.4 ^u	50.3 ^u	47.8 ^u	49.0 ^u	<0.8 ^u
	04:50-04:55 HOUR	50.5 ^u	50.3 ^u	40.5 ^u	49.0 ^u	<0.8 ^u
	04:55-05:00 HOUR	50.1 ^u	50.3 ^u	<0.8 ^u	49.0 ^u	<0.8 ^u
	05:00-05:05 HOUR	53.3 ^u	52.2 ^u	50.0 ^u	50.5 ^u	<0.8 ^u
	05:05-05:10 HOUR	52.7 ^u	52.2 ^u	45.7 ^u	50.5 ^u	<0.8 ^u
	05:10-05:15 HOUR	53.8 ^u	52.2 ^u	51.7 ^u	50.5 ^u	1.2
	05:15-05:20 HOUR	53.7 ^u	51.3 ^u	53.1 ^u	49.5 ^u	3.6
	05:20-05:25 HOUR	52.9 ^u	51.3 ^u	50.7 ^u	49.5 ^u	1.2
	05:25-05:30 HOUR	53.8 ^u	51.3 ^u	53.2 ^u	49.5 ^u	3.7
JANUARY 10, 2025 T25A652-0003	05:30-05:35 HOUR	53.5 ^u	51.2 ^u	52.7 ^u	48.3 ^u	4.4
	05:35-05:40 HOUR	53.1 ^u	51.2 ^u	51.7 ^u	48.3 ^u	3.4
	05:40-05:45 HOUR	52.8 ^u	51.2 ^u	50.6 ^u	48.3 ^u	2.3
	05:45-05:50 HOUR	52.8 ^u	55.4 ^u	<0.8 ^u	51.7 ^u	<0.8 ^u
	05:50-05:55 HOUR	56.0 ^u	55.4 ^u	50.4 ^u	51.7 ^u	<0.8 ^u
	05:55-06:00 HOUR	58.1 ^u	55.4 ^u	57.8 ^u	51.7 ^u	6.1
	DAY TIME 1/					
	06:00-07:00 HOUR	56.6 ^u	52.8 ^u	54.3 ^u	50.4 ^u	3.9
	07:00-08:00 HOUR	55.9 ^u	53.3 ^u	52.4 ^u	50.9 ^u	1.5
	08:00-09:00 HOUR	57.1 ^u	54.2 ^u	54.0 ^u	51.6 ^u	2.4
	09:00-10:00 HOUR	57.5 ^u	56.1 ^u	51.9 ^u	51.3 ^u	<0.8 ^u
JANUARY 10, 2025 T25A652-0003	10:00-11:00 HOUR	57.5 ^u	56.4 ^u	51.0 ^u	52.8 ^u	<0.8 ^u

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ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาพื้นที่บ้านพักอาศัยและศูนย์บริการชุมชน
CLUBHOUSE และ สระว่ายน้ำบนที่ดินของเอกชน (ระยะที่ 1)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 0 2537 1885 e-mail : anupon.d@energycomplex.co.th
MEASURING PLACE : งานติดตั้งเครื่องวัดการสั่นสะเทือนที่หน้าอาคาร C
MEASURING TYPE : AMBIENT (VIBRATION)
MEASURING DATE : JANUARY 9-10, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : VIBRATION METER
MEASURED BY : MR WORRAPONG NONTAJAN
RECEIVED DATE : JANUARY 9-10, 2025
ANALYTICAL DATE : JANUARY 9-10, 2025
ISSUE DATE : JANUARY 17, 2025
REPORT NO. : 2025-U004066
WORK NO. : 2024-006278
ANALYSIS NO. : T25A0652-0004

DATE	TIME *	RESULT				
		TRANSVERSE			VERTICAL	
		X-AXIS (LONGITUDINAL)	Y-AXIS (TRANSVERSE)	Z-AXIS (VERTICAL)		
		VELOCITY (mm/s)	FREQUENCY (Hz)	VELOCITY (mm/s)	FREQUENCY (Hz)	FREQUENCY (Hz)
JANUARY 9, 2025 T25A0652-0004	11:27:56 HOUR	0.039	3.1	0.024	2.1	0.410
	16:22:12 HOUR	0.016	2.6	0.158	4.2	0.315
	16:36:43 HOUR	0.071	3.1	0.205	3.3	0.294
	18:38:33 HOUR	0.071	3.8	0.236	5.3	0.158
	19:35:11 HOUR	0.197	3.6	0.189	4.2	0.489
	20:42:00 HOUR	0.047	2.2	0.126	4.6	0.418
JANUARY 10, 2025 T25A0652-0004	22:25:49 HOUR	0.142	4.3	0.256	3.9	0.055
	01:33:29 HOUR	0.032	3.1	0.236	3.1	0.418
	04:09:41 HOUR	0.102	2.6	0.181	2.6	0.244
	06:15:55 HOUR	0.039	4.8	0.032	2.2	0.360

REMARK : - THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45569-1:2010
- DIN 4150-3:1999

รายงานผลการติดตามตรวจสอบ คุณภาพอากาศ เสียง
และความสั่นสะเทือน ในบรรยากาศโดยทั่วไป
เดือนกุมภาพันธ์ พ.ศ. 2568





NSC-TISI-TIS 17025
TESTING 0207

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Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaecconsultant.com E-mail: uaec@uaecconsultant.com

ANALYSIS REPORT

PROJECT NAME : โครงการติดตั้ง งานระบบการบำบัดอากาศภายในอาคารและระบบปรับอากาศ ระบบสำนักงานอาคาร 3
CUSTOMER NAME : CLUBHOUSE และ งานพัฒนาและปรับปรุงอาคารสำนักงาน (ศูนย์การค้า)
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 065 997 9715 e-mail : uaec@uaecconsultant.com
SAMPLING SOURCE : งานพัฒนาและปรับปรุงอาคารสำนักงานอาคาร C
SAMPLE TYPE : AMBIENT
SAMPLING DATE : FEBRUARY 28, 2025
SAMPLING TIME : FEBRUARY 28 - MARCH 5, 2025
SAMPLING BY : *
REPORT NO. : MARCH 7, 2025
ANALYZED BY : MR. SUPAKORN RINWONG
WORK NO. : 2025-0019447
ANALYSIS NO. : 2025-000568
: T25AE371-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.060
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.039
SAMPLE CONDITION			COMPLETE

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

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 1100 HOUR ON FEBRUARY 27, 2025 TO 1100 HOUR ON FEBRUARY 28, 2025.



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Tel: 0 2763 2828 Fax: 0 2763 2800 www.uaecconsultant.com E-mail: uaec@uaecconsultant.com

ANALYSIS REPORT

PROJECT NAME : โครงการติดตั้ง งานระบบการบำบัดอากาศภายในอาคารและระบบปรับอากาศ ระบบสำนักงานอาคาร 3
CUSTOMER NAME : CLUBHOUSE และ งานพัฒนาและปรับปรุงอาคารสำนักงาน (ศูนย์การค้า)
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 065 997 9715 e-mail : uaec@uaecconsultant.com
SAMPLING SOURCE : งานพัฒนาและปรับปรุงอาคารสำนักงานอาคาร A
SAMPLE TYPE : AMBIENT
SAMPLING DATE : FEBRUARY 28, 2025
SAMPLING TIME : FEBRUARY 28 - MARCH 5, 2025
SAMPLING BY : *
REPORT NO. : MARCH 7, 2025
ANALYZED BY : MR. SUPAKORN RINWONG
WORK NO. : 2025-0019448
ANALYSIS NO. : 2025-000568
: T25AE371-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.083
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.023
SAMPLE CONDITION			COMPLETE

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

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 1100 HOUR ON FEBRUARY 27, 2025 TO 1100 HOUR ON FEBRUARY 28, 2025.



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ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินตามโครงการพัฒนาระบบนิเวศน์และโครงสร้างพื้นฐาน
CLUBHOUSE และ สวนสาธารณะบริเวณถนนสุขุมวิท (ซอยสุขุมวิท)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qshe.encony@encony.com
MEASURING PLACE : ภายในพื้นที่ก่อสร้างหน้าห้างพาราก C
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : FEBRUARY 27-28, 2025
MEASURING TIME : *
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR. SUPAKORN RINWONG

RECEIVED DATE : FEBRUARY 27-28, 2025
ANALYTICAL DATE : FEBRUARY 27-28, 2025
ISSUE DATE : MARCH 5, 2025
REPORT NO. : 2025-U018608
WORK NO. : 2025-000588
ANALYSIS NO. : T25AE371-0001

TIME *	RESULT (ppm)	
	CARBON MONOXIDE	NITROGEN DIOXIDE
ภายในพื้นที่ก่อสร้างหน้าห้างพาราก C FEBRUARY 27 - 28, 2025 T25AE371-0001		
11:00-12:00 HOUR	0.84	0.0060
12:00-13:00 HOUR	0.94	0.0051
13:00-14:00 HOUR	0.74	0.0070
14:00-15:00 HOUR	0.92	0.0070
15:00-16:00 HOUR	0.81	0.0060
16:00-17:00 HOUR	0.68	0.0084
17:00-18:00 HOUR	0.77	0.0047
18:00-19:00 HOUR	0.88	0.0060
19:00-20:00 HOUR	0.73	0.0030
20:00-21:00 HOUR	0.62	0.0045
21:00-22:00 HOUR	0.87	0.0045
22:00-23:00 HOUR	0.65	0.0067
23:00-00:00 HOUR	0.64	0.0074
00:00-01:00 HOUR	0.38	0.0053
01:00-02:00 HOUR	0.53	0.0067
02:00-03:00 HOUR	0.76	0.0049
03:00-04:00 HOUR	0.80	0.0030
04:00-05:00 HOUR	0.65	0.0063
05:00-06:00 HOUR	0.63	0.0051
06:00-07:00 HOUR	0.57	0.0046
07:00-08:00 HOUR	0.69	0.0036
08:00-09:00 HOUR	0.77	0.0046
09:00-10:00 HOUR	0.74	0.0065
10:00-11:00 HOUR	0.55	0.0062

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ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินตามโครงการพัฒนาระบบนิเวศน์และโครงสร้างพื้นฐาน
CLUBHOUSE และ สวนสาธารณะบริเวณถนนสุขุมวิท (ซอยสุขุมวิท)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qshe.encony@encony.com
MEASURING PLACE : ภายในพื้นที่ก่อสร้างหน้าห้างพาราก C
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : FEBRUARY 27-28, 2025
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR. SUPAKORN RINWONG

RECEIVED DATE : FEBRUARY 27-28, 2025
ANALYTICAL DATE : FEBRUARY 27-28, 2025
ISSUE DATE : MARCH 5, 2025
REPORT NO. : 2025-U018609
WORK NO. : 2025-000588
ANALYSIS NO. : T25AE371-0001

TIME *	RESULT (ppm)	
	CARBON MONOXIDE	NITROGEN DIOXIDE
ภายในพื้นที่ก่อสร้างหน้าห้างพาราก C FEBRUARY 27 - 28, 2025 T25AE371-0001		
11:00-12:00 HOUR	0.0060	0.0060
12:00-13:00 HOUR	0.0051	0.0051
13:00-14:00 HOUR	0.0070	0.0070
14:00-15:00 HOUR	0.0070	0.0070
15:00-16:00 HOUR	0.0060	0.0060
16:00-17:00 HOUR	0.0084	0.0084
17:00-18:00 HOUR	0.0047	0.0047
18:00-19:00 HOUR	0.0060	0.0060
19:00-20:00 HOUR	0.0030	0.0030
20:00-21:00 HOUR	0.0045	0.0045
21:00-22:00 HOUR	0.0045	0.0045
22:00-23:00 HOUR	0.0067	0.0067
23:00-00:00 HOUR	0.0074	0.0074
00:00-01:00 HOUR	0.0053	0.0053
01:00-02:00 HOUR	0.0067	0.0067
02:00-03:00 HOUR	0.0049	0.0049
03:00-04:00 HOUR	0.0030	0.0030
04:00-05:00 HOUR	0.0063	0.0063
05:00-06:00 HOUR	0.0051	0.0051
06:00-07:00 HOUR	0.0046	0.0046
07:00-08:00 HOUR	0.0036	0.0036
08:00-09:00 HOUR	0.0046	0.0046
09:00-10:00 HOUR	0.0065	0.0065
10:00-11:00 HOUR	0.0062	0.0062

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ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างอาคารพาณิชย์และที่อยู่อาศัย (อาคารพาณิชย์)
CUSTOMER NAME : CLUBHOUSE และ บริษัทอสังหาริมทรัพย์ (บริษัทอสังหาริมทรัพย์)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gte.encomy@encomy.com
MEASURING PLACE : อาคารพาณิชย์และที่อยู่อาศัย (อาคารพาณิชย์)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : FEBRUARY 27-28, 2025
MEASURING TIME : FEBRUARY 27-28, 2025
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR. SUPKORN RINWONG
RECEIVED DATE : FEBRUARY 27-28, 2025
ANALYTICAL DATE : FEBRUARY 27-28, 2025
ISSUE DATE : MARCH 5, 2025
REPORT NO. : 2025-U018610
WORK NO. : 2025-000588
ANALYSIS NO. : T25AE371-0001

TIME *	RESULT (ppm)
SULPHUR DIOXIDE	
สถานีสุพรรณบุรีจังหวัดสุพรรณบุรี C	
FEBRUARY 27 - 28, 2025	
T25AE371-0001	
11:00-12:00 HOUR	0.0038
12:00-13:00 HOUR	0.0033
13:00-14:00 HOUR	0.0024
14:00-15:00 HOUR	0.0022
15:00-16:00 HOUR	0.0021
16:00-17:00 HOUR	0.0039
17:00-18:00 HOUR	0.0037
18:00-19:00 HOUR	0.0026
19:00-20:00 HOUR	0.0033
20:00-21:00 HOUR	0.0032
21:00-22:00 HOUR	0.0032
22:00-23:00 HOUR	0.0022
23:00-00:00 HOUR	0.0030
00:00-01:00 HOUR	0.0030
01:00-02:00 HOUR	0.0029
02:00-03:00 HOUR	0.0029
03:00-04:00 HOUR	0.0030
04:00-05:00 HOUR	0.0026
05:00-06:00 HOUR	0.0040
06:00-07:00 HOUR	0.0038
07:00-08:00 HOUR	0.0030
08:00-09:00 HOUR	0.0037
09:00-10:00 HOUR	0.0038
10:00-11:00 HOUR	0.0040
AVERAGE 24 HOUR	0.0031

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ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างอาคารพาณิชย์และที่อยู่อาศัย (อาคารพาณิชย์)
CUSTOMER NAME : CLUBHOUSE และ บริษัทอสังหาริมทรัพย์ (บริษัทอสังหาริมทรัพย์)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gte.encomy@encomy.com
MEASURING PLACE : อาคารพาณิชย์และที่อยู่อาศัย (อาคารพาณิชย์)
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : FEBRUARY 27, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION****
MEASURED BY : MR. SUPKORN RINWONG
RECEIVED DATE : FEBRUARY 27-28, 2025
ANALYTICAL DATE : FEBRUARY 27-28, 2025
ISSUE DATE : MARCH 5, 2025
REPORT NO. : 2025-U018611
WORK NO. : 2025-000588
ANALYSIS NO. : T25AE371-0003

DATE	TIME*	RESULT (dB(A))				
		annoyance sound from traffic				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
FEBRUARY 27, 2022 T25AE371-0003	DAY TIME 1/					
	11:00-12:00 HOUR	55.9 ¹	53.9 ²	51.6 ³	44.9 ⁴	6.7
	12:00-13:00 HOUR	49.0 ¹	47.8 ²	42.8 ³	42.4 ⁴	<0.8 ⁵
	13:00-14:00 HOUR	57.0 ¹	55.4 ²	51.9 ³	46.2 ⁴	5.7
	14:00-15:00 HOUR	58.6 ¹	53.1 ²	57.2 ³	50.5 ⁴	6.7
	15:00-16:00 HOUR	59.2 ¹	55.6 ²	56.7 ³	50.4 ⁴	6.3
	16:00-17:00 HOUR	52.1 ¹	48.5 ²	49.6 ³	41.2 ⁴	8.4
	17:00-18:00 HOUR	61.0 ¹	59.5 ²	55.7 ³	47.7 ⁴	8.0
	18:00-19:00 HOUR	57.6 ¹	54.5 ²	54.7 ³	46.9 ⁴	7.8
	19:00-20:00 HOUR	58.9 ¹	58.4 ²	49.3 ³	44.2 ⁴	5.1
NIGHT TIME 2/	20:00-21:00 HOUR	47.3 ¹	44.0 ²	44.6 ³	40.5 ⁴	4.1
	21:00-22:00 HOUR	44.4 ¹	42.8 ²	39.3 ³	40.7 ⁴	<0.8 ⁵
	22:00-22:05 HOUR	44.1 ²	41.5 ³	43.6 ²	39.7 ⁴	3.9
	22:05-22:10 HOUR	41.8 ²	41.5 ³	33.0 ²	39.7 ⁴	<0.8 ⁵
	22:10-22:15 HOUR	44.8 ²	41.5 ³	45.1 ²	39.7 ⁴	5.4
	22:15-22:20 HOUR	41.9 ²	40.3 ³	39.8 ²	38.8 ⁴	1.0
	22:20-22:25 HOUR	41.6 ²	40.3 ³	38.7 ²	38.8 ⁴	<0.8 ⁵
	22:25-22:30 HOUR	42.8 ²	40.3 ³	42.2 ²	38.8 ⁴	3.4
	22:30-22:35 HOUR	41.9 ²	40.8 ³	38.4 ²	39.3 ⁴	<0.8 ⁵
	22:35-22:40 HOUR	41.1 ²	40.8 ³	32.3 ²	39.3 ⁴	<0.8 ⁵
	22:40-22:45 HOUR	43.3 ²	40.8 ³	42.7 ²	39.3 ⁴	3.4
	22:45-22:50 HOUR	41.6 ²	41.4 ³	31.1 ²	38.9 ⁴	<0.8 ⁵
	22:50-22:55 HOUR	41.7 ²	41.4 ³	32.9 ²	38.9 ⁴	<0.8 ⁵
	22:55-23:00 HOUR	44.3 ²	41.4 ³	44.2 ²	38.9 ⁴	5.3
	23:00-23:05 HOUR	43.3 ²	41.2 ³	42.1 ²	38.3 ⁴	3.8
	23:05-23:10 HOUR	45.0 ²	41.2 ³	45.7 ²	38.3 ⁴	7.4
	23:10-23:15 HOUR	42.2 ²	41.2 ³	38.3 ²	38.3 ⁴	<0.8 ⁵
	23:15-23:20 HOUR	40.6 ²	40.0 ³	34.7 ²	38.8 ⁴	<0.8 ⁵
	23:20-23:25 HOUR	40.9 ²	40.0 ³	36.6 ²	38.8 ⁴	<0.8 ⁵
	23:25-23:30 HOUR	41.3 ²	40.0 ³	38.4 ²	38.8 ⁴	<0.8 ⁵

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1/4

DATE	TIME*	RESULT (dB(A)) มาตรฐานการควบคุมการรบกวนทางเสียง C				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
FEBRUARY 27, 2022 T25AE71-0003	NIGHT TIME ^{2/}					
	23:30-23:35 HOUR	40.3 ^{2/}	41.3 ^{***}	<0.8 ^{2/}	38.0 ^{***}	<0.8 ^{2/}
	23:35-23:40 HOUR	41.2 ^{2/}	41.3 ^{***}	<0.8 ^{2/}	38.0 ^{***}	<0.8 ^{2/}
	23:40-23:45 HOUR	43.7 ^{2/}	41.3 ^{***}	43.0 ^{2/}	38.0 ^{***}	5.0
	23:45-23:50 HOUR	45.4 ^{2/}	40.6 ^{***}	46.7 ^{2/}	39.5 ^{***}	7.2
	23:50-23:55 HOUR	42.7 ^{2/}	40.6 ^{***}	41.5 ^{2/}	39.5 ^{***}	2.0
	23:55-00:00 HOUR	40.8 ^{2/}	40.6 ^{***}	30.3 ^{2/}	39.5 ^{***}	<0.8 ^{2/}
	NIGHT TIME ^{2/}					
	00:00-00:05 HOUR	42.3 ^{2/}	40.4 ^{***}	40.8 ^{2/}	38.8 ^{***}	2.0
	00:05-00:10 HOUR	41.1 ^{2/}	40.4 ^{***}	35.8 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
FEBRUARY 28, 2022 T25AE71-0003	00:10-00:15 HOUR	41.2 ^{2/}	40.4 ^{***}	36.5 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	00:15-00:20 HOUR	42.5 ^{2/}	39.4 ^{***}	42.6 ^{2/}	38.1 ^{***}	4.5
	00:20-00:25 HOUR	41.3 ^{2/}	39.4 ^{***}	39.8 ^{2/}	38.1 ^{***}	1.7
	00:25-00:30 HOUR	40.7 ^{2/}	39.4 ^{***}	37.8 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	00:30-00:35 HOUR	42.8 ^{2/}	41.2 ^{***}	40.7 ^{2/}	38.3 ^{***}	2.4
	00:35-00:40 HOUR	43.0 ^{2/}	41.2 ^{***}	41.3 ^{2/}	38.3 ^{***}	3.0
	00:40-00:45 HOUR	42.9 ^{2/}	41.2 ^{***}	41.0 ^{2/}	38.3 ^{***}	2.7
	00:45-00:50 HOUR	44.1 ^{2/}	41.6 ^{***}	43.5 ^{2/}	39.6 ^{***}	3.9
	00:50-00:55 HOUR	41.5 ^{2/}	41.6 ^{***}	<0.8 ^{2/}	39.6 ^{***}	<0.8 ^{2/}
	00:55-01:00 HOUR	41.7 ^{2/}	41.6 ^{***}	28.3 ^{2/}	39.6 ^{***}	<0.8 ^{2/}
FEBRUARY 28, 2022 T25AE71-0003	01:00-01:05 HOUR	40.4 ^{2/}	39.7 ^{***}	35.1 ^{2/}	38.5 ^{***}	<0.8 ^{2/}
	01:05-01:10 HOUR	40.4 ^{2/}	39.7 ^{***}	35.1 ^{2/}	38.5 ^{***}	<0.8 ^{2/}
	01:10-01:15 HOUR	42.0 ^{2/}	39.7 ^{***}	41.1 ^{2/}	38.5 ^{***}	2.6
	01:15-01:20 HOUR	41.1 ^{2/}	39.1 ^{***}	39.8 ^{2/}	38.3 ^{***}	1.5
	01:20-01:25 HOUR	40.7 ^{2/}	39.1 ^{***}	38.6 ^{2/}	38.3 ^{***}	<0.8 ^{2/}
	01:25-01:30 HOUR	40.3 ^{2/}	39.1 ^{***}	37.1 ^{2/}	38.3 ^{***}	<0.8 ^{2/}
	01:30-01:35 HOUR	40.5 ^{2/}	40.4 ^{***}	37.1 ^{2/}	38.4 ^{***}	<0.8 ^{2/}
	01:35-01:40 HOUR	41.4 ^{2/}	40.4 ^{***}	37.5 ^{2/}	38.4 ^{***}	1.6
	01:40-01:45 HOUR	42.1 ^{2/}	40.4 ^{***}	40.2 ^{2/}	38.4 ^{***}	<0.8 ^{2/}
	01:45-01:50 HOUR	41.5 ^{2/}	41.0 ^{***}	34.9 ^{2/}	39.0 ^{***}	<0.8 ^{2/}
FEBRUARY 28, 2022 T25AE71-0003	01:50-01:55 HOUR	41.3 ^{2/}	41.0 ^{***}	32.5 ^{2/}	39.0 ^{***}	<0.8 ^{2/}
	01:55-02:00 HOUR	42.0 ^{2/}	41.0 ^{***}	36.1 ^{2/}	39.0 ^{***}	<0.8 ^{2/}
	02:00-02:05 HOUR	43.6 ^{2/}	40.4 ^{***}	43.8 ^{2/}	38.7 ^{***}	5.1
	02:05-02:10 HOUR	41.7 ^{2/}	40.4 ^{***}	38.8 ^{2/}	38.7 ^{***}	<0.8 ^{2/}
	02:10-02:15 HOUR	42.6 ^{2/}	40.4 ^{***}	41.6 ^{2/}	38.7 ^{***}	2.9
	02:15-02:20 HOUR	40.7 ^{2/}	39.0 ^{***}	38.8 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	02:20-02:25 HOUR	42.2 ^{2/}	39.0 ^{***}	42.4 ^{2/}	38.1 ^{***}	4.3
	02:25-02:30 HOUR	40.6 ^{2/}	39.0 ^{***}	36.5 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	02:30-02:35 HOUR	40.2 ^{2/}	39.6 ^{***}	34.3 ^{2/}	38.7 ^{***}	<0.8 ^{2/}
	02:35-02:40 HOUR	40.5 ^{2/}	39.6 ^{***}	36.2 ^{2/}	38.7 ^{***}	<0.8 ^{2/}
FEBRUARY 28, 2022 T25AE71-0003	02:40-02:45 HOUR	41.0 ^{2/}	39.6 ^{***}	38.4 ^{2/}	38.7 ^{***}	<0.8 ^{2/}
	02:45-02:50 HOUR	42.2 ^{2/}	38.8 ^{***}	42.5 ^{2/}	37.8 ^{***}	4.7
	02:50-02:55 HOUR	40.7 ^{2/}	38.8 ^{***}	39.2 ^{2/}	37.8 ^{***}	1.4
	02:55-03:00 HOUR	41.0 ^{2/}	38.8 ^{***}	40.0 ^{2/}	37.8 ^{***}	2.2
	03:00-03:05 HOUR	40.7 ^{2/}	39.6 ^{***}	37.2 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	03:05-03:10 HOUR	40.7 ^{2/}	39.6 ^{***}	37.2 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	03:10-03:15 HOUR	40.7 ^{2/}	39.6 ^{***}	37.2 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	03:15-03:20 HOUR	40.7 ^{2/}	39.6 ^{***}	37.2 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	03:20-03:25 HOUR	40.7 ^{2/}	39.6 ^{***}	37.2 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	03:25-03:30 HOUR	40.7 ^{2/}	39.6 ^{***}	37.2 ^{2/}	38.8 ^{***}	<0.8 ^{2/}

DATE	TIME*	RESULT (dB(A)) มาตรฐานการควบคุมการรบกวนทางเสียง C				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
FEBRUARY 28, 2022 T25AE71-0003	NIGHT TIME ^{2/}					
	03:05-03:10 HOUR	41.2 ^{2/}	39.6 ^{***}	39.1 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	03:10-03:15 HOUR	40.5 ^{2/}	39.6 ^{***}	40.0 ^{2/}	38.8 ^{***}	1.2
	03:15-03:20 HOUR	41.5 ^{2/}	39.0 ^{***}	38.7 ^{2/}	38.2 ^{***}	<0.8 ^{2/}
	03:20-03:25 HOUR	40.5 ^{2/}	39.0 ^{***}	38.2 ^{2/}	38.2 ^{***}	<0.8 ^{2/}
	03:25-03:30 HOUR	40.4 ^{2/}	39.0 ^{***}	37.8 ^{2/}	38.2 ^{***}	<0.8 ^{2/}
	03:30-03:35 HOUR	40.4 ^{2/}	40.0 ^{***}	32.8 ^{2/}	39.0 ^{***}	<0.8 ^{2/}
	03:35-03:40 HOUR	41.0 ^{2/}	40.0 ^{***}	37.1 ^{2/}	39.0 ^{***}	<0.8 ^{2/}
	03:40-03:45 HOUR	40.9 ^{2/}	40.0 ^{***}	36.2 ^{2/}	39.0 ^{***}	<0.8 ^{2/}
	03:45-03:50 HOUR	39.9 ^{2/}	40.3 ^{***}	<0.8 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
FEBRUARY 28, 2022 T25AE71-0003	03:50-03:55 HOUR	40.3 ^{2/}	40.3 ^{***}	<0.8 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	03:55-04:00 HOUR	44.4 ^{2/}	40.3 ^{***}	45.3 ^{2/}	38.1 ^{***}	7.2
	04:00-04:05 HOUR	43.3 ^{2/}	38.9 ^{***}	44.3 ^{2/}	38.2 ^{***}	6.1
	04:05-04:10 HOUR	39.7 ^{2/}	38.9 ^{***}	35.0 ^{2/}	38.2 ^{***}	<0.8 ^{2/}
	04:10-04:15 HOUR	39.6 ^{2/}	39.2 ^{***}	32.2 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	04:15-04:20 HOUR	39.8 ^{2/}	39.2 ^{***}	33.9 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	04:20-04:25 HOUR	40.0 ^{2/}	39.2 ^{***}	35.3 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	04:25-04:30 HOUR	40.6 ^{2/}	40.3 ^{***}	31.8 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	04:30-04:35 HOUR	40.5 ^{2/}	40.3 ^{***}	30.0 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
	04:35-04:40 HOUR	40.1 ^{2/}	40.3 ^{***}	<0.8 ^{2/}	38.8 ^{***}	<0.8 ^{2/}
FEBRUARY 28, 2022 T25AE71-0003	04:40-04:45 HOUR	41.5 ^{2/}	41.7 ^{***}	<0.8 ^{2/}	40.2 ^{***}	<0.8 ^{2/}
	04:45-04:50 HOUR	42.2 ^{2/}	41.7 ^{***}	39.7 ^{2/}	40.2 ^{***}	<0.8 ^{2/}
	04:50-04:55 HOUR	44.1 ^{2/}	41.7 ^{***}	43.4 ^{2/}	40.2 ^{***}	3.2
	04:55-05:00 HOUR	44.4 ^{2/}	40.4 ^{***}	45.2 ^{2/}	36.5 ^{***}	6.7
	05:00-05:05 HOUR	43.3 ^{2/}	40.4 ^{***}	43.2 ^{2/}	38.5 ^{***}	4.7
	05:05-05:10 HOUR	40.3 ^{2/}	40.4 ^{***}	<0.8 ^{2/}	38.5 ^{***}	<0.8 ^{2/}
	05:10-05:15 HOUR	40.3 ^{2/}	39.0 ^{***}	42.8 ^{2/}	38.1 ^{***}	4.8
	05:15-05:20 HOUR	40.8 ^{2/}	39.0 ^{***}	39.1 ^{2/}	38.1 ^{***}	1.0
	05:20-05:25 HOUR	40.8 ^{2/}	39.0 ^{***}	36.2 ^{2/}	38.1 ^{***}	<0.8 ^{2/}
	05:25-05:30 HOUR	40.8 ^{2/}	38.9 ^{***}	39.3 ^{2/}	37.6 ^{***}	1.7
FEBRUARY 28, 2022 T25AE71-0003	05:30-05:35 HOUR	40.8 ^{2/}	38.9 ^{***}	35.5 ^{2/}	37.6 ^{***}	<0.8 ^{2/}
	05:35-05:40 HOUR	40.3 ^{2/}	38.9 ^{***}	37.7 ^{2/}	37.6 ^{***}	<0.8 ^{2/}
	05:40-05:45 HOUR	40.2 ^{2/}	44.6 ^{***}	<0.8 ^{2/}	39.1 ^{***}	<0.8 ^{2/}
	05:45-05:50 HOUR	42.2 ^{2/}	44.6 ^{***}	<0.8 ^{2/}	39.1 ^{***}	<0.8 ^{2/}
	05:50-05:55 HOUR	42.8 ^{2/}	44.6 ^{***}	<0.8 ^{2/}	39.1 ^{***}	<0.8 ^{2/}
	05:55-06:00 HOUR	42.8 ^{2/}	44.6 ^{***}	<0.8 ^{2/}	39.1 ^{***}	<0.8 ^{2/}
	DAY TIME ^{2/}					
	06:00-07:00 HOUR	48.9 ^{2/}	44.9 ^{**}	46.7 ^{2/}	40.9 ^{**}	5.8
	07:00-08:00 HOUR	50.1 ^{2/}	49.5 ^{**}	41.2 ^{2/}	41.3 ^{**}	<0.8 ^{2/}
	08:00-09:00 HOUR	48.1 ^{2/}	45.5 ^{**}	44.6 ^{2/}	40.7 ^{**}	3.9
	09:00-10:00 HOUR	60.0 ^{2/}	58.7 ^{**}	54.1 ^{2/}	46.3 ^{**}	7.8
FEBRUARY 28, 2022 T25AE71-0003	10:00-11:00 HOUR	54.4 ^{2/}	52.0 ^{**}	50.7 ^{2/}	43.0 ^{**}	7.7



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ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างอาคารพาณิชย์และที่พักอาศัยแบบรวมศูนย์
CUSTOMER NAME : CLUBHOUSE และ งานพัฒนาที่ดินของกรมที่ดินจังหวัดนนทบุรี (นนทบุรี)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 55/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
: TEL : 063 957 9715 e-mail : qsthe.encony@encony.com
MEASURING PLACE : งานพัฒนาที่ดินของกรมที่ดินจังหวัดนนทบุรี (นนทบุรี)
MEASURING TYPE : AMBIENT (VIBRATION)
MEASURING DATE : FEBRUARY 27-28, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : VIBRATION METER
MEASURED BY : MR SUPAKORN RUNWONG
RECEIVED DATE : FEBRUARY 27-28, 2025
ANALYTICAL DATE : FEBRUARY 27-28, 2025
ISSUE DATE : MARCH 5, 2025
REPORT NO. : 2025-U018613
WORK NO. : 2025-000588
ANALYSIS NO. : T25AE71-0004

DATE	TIME *	ผลการทดสอบค่าสั่นไหวตามมาตรฐาน C					
		TRANSVERSE			VERTICAL		
		X-AXIS (LONGITUDINAL)	Y-AXIS (TRANSVERSE)	Z-AXIS (VERTICAL)	VELOCITY (mm/s)	FREQUENCY (Hz)	FREQUENCY (Hz)
FEBRUARY 27, 2025 T25AE71-0004	11:13:57 HOUR	0.213	4.7	0.173	4.3	0.402	3.6
	11:28:52 HOUR	0.244	4.7	0.402	3.4	0.072	9.4
	14:20:15 HOUR	0.189	4.4	0.032	7.3	0.299	2.6
	15:41:25 HOUR	0.150	4.0	0.291	4.3	0.410	3.0
	16:13:23 HOUR	0.110	6.4	0.134	2.3	0.355	4.9
	17:00:25 HOUR	0.221	5.7	0.176	5.2	0.299	3.5
	17:27:15 HOUR	0.079	5.2	0.260	3.8	0.276	7.3
	21:19:39 HOUR	0.039	6.0	0.260	3.0	0.032	3.8
	22:56:44 HOUR	0.158	3.8	0.410	5.9	0.071	5.2
	08:14:14 HOUR	0.071	6.6	0.292	2.2	0.150	3.6
FEBRUARY 28, 2025 T25AE71-0004	09:41:08 HOUR	0.244	5.2	0.189	6.0	0.339	9.4
	10:45:21 HOUR	0.260	5.9	0.173	2.5	0.150	8.1

REMARK : REFERENCE MEASUREMENT METHOD
- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2546
** DIN 45669-1:2010
** DIN 4150-3:1999

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NO EXCHANGE CERTIFIED
NO EXCHANGE CERTIFIED
MR. B. B. B. (THAILAND) CO., LTD.

รายงานผลการติดตามตรวจสอบ คุณภาพอากาศ เลี่ยง
และความสั่นสะเทือน ในบรรยากาศโดยทั่วไป
เดือนมีนาคม พ.ศ. 2568





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HSR-TSI-17025
TESTING 0207

ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างโรงงานผลิตอาหารจากผลไม้และเครื่องดื่มสุขภาพ (ระบบอัตโนมัติ)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gshe.encomy@encomy.com
SAMPLING SOURCE : ภายในพื้นที่ก่อสร้างโรงงานผลิตอาหาร C
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR PAIRAT KUMNERAKSA
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : MARCH 21, 2025
ANALYTICAL DATE : MARCH 21-26, 2025
ISSUE DATE : MARCH 31, 2025
REPORT NO. : 2025-U027423
WORK NO. : 2025-000588
ANALYSIS NO. : T25AGI07-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.069
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.039
SAMPLE CONDITION		COMPLETE	

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 08:00 HOUR ON MARCH 18, 2025 TO 08:00 HOUR ON MARCH 19, 2025.



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HSR-TSI-17025
TESTING 0207

LAE United Analyst and Engineering Consultant Co., Ltd.
354 Udonrak 41, Sukhumvit Road, Bangkok, Thailand 10110
Tel: 02-2763 2878 Fax: 02-2763 2879 www.laeconsulting.com E-mail: lae@aeconsulting.com

ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างโรงงานผลิตอาหารจากผลไม้และเครื่องดื่มสุขภาพ (ระบบอัตโนมัติ)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gshe.encomy@encomy.com
SAMPLING SOURCE : ภายในพื้นที่ก่อสร้างโรงงานผลิตอาหาร C
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *
SAMPLING TIME : *
SAMPLING BY : MR PAIRAT KUMNERAKSA
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : MARCH 21, 2025
ANALYTICAL DATE : MARCH 21-26, 2025
ISSUE DATE : MARCH 31, 2025
REPORT NO. : 2025-U027424
WORK NO. : 2025-000588
ANALYSIS NO. : T25AGI07-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.049
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.034
SAMPLE CONDITION		COMPLETE	

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 10:00 HOUR ON MARCH 18, 2025 TO 10:00 HOUR ON MARCH 19, 2025.



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ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างโรงงานอุตสาหกรรมและเก็บมลพิษทางอากาศบริเวณโรงงาน ระหว่างดำเนินการก่อสร้าง
CUSTOMER NAME : CLUBHOUSE และ งานปรับปรุงพื้นที่โรงงานและเก็บมลพิษทางอากาศ (ระหว่างก่อสร้าง)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : uaec@uaec.com
MEASURING PLACE : งานเก็บมลพิษทางอากาศบริเวณพื้นที่ว่างเปล่า
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : MARCH 18-19, 2025
MEASURING TIME : *
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR. PIRAT KUMNERAKSA
RECEIVED DATE : MARCH 18-19, 2025
ANALYTICAL DATE : MARCH 18-19, 2025
ISSUE DATE : APRIL 1, 2025
REPORT NO. : 2025-U027810
WORK NO. : 2025-000588
ANALYSIS NO. : T25AG107-0001

TIME *	RESULT (ppm)	
	CARBON MONOXIDE	
	งานเก็บมลพิษทางอากาศบริเวณพื้นที่ว่างเปล่า C	
	MARCH 18 - 19, 2025	
	T25AG107-0001	
11:00-12:00 HOUR	0.84	
12:00-13:00 HOUR	1.22	
13:00-14:00 HOUR	1.21	
14:00-15:00 HOUR	0.85	
15:00-16:00 HOUR	0.83	
16:00-17:00 HOUR	0.92	
17:00-18:00 HOUR	0.85	
18:00-19:00 HOUR	0.72	
19:00-20:00 HOUR	0.95	
20:00-21:00 HOUR	0.85	
21:00-22:00 HOUR	0.84	
22:00-23:00 HOUR	0.86	
23:00-00:00 HOUR	0.85	
00:00-01:00 HOUR	0.82	
01:00-02:00 HOUR	0.88	
02:00-03:00 HOUR	0.72	
03:00-04:00 HOUR	0.79	
04:00-05:00 HOUR	0.76	
05:00-06:00 HOUR	0.77	
06:00-07:00 HOUR	0.77	
07:00-08:00 HOUR	0.77	
08:00-09:00 HOUR	0.85	
09:00-10:00 HOUR	0.84	
10:00-11:00 HOUR	0.93	

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ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างโรงงานอุตสาหกรรมและเก็บมลพิษทางอากาศบริเวณโรงงาน ระหว่างดำเนินการก่อสร้าง
CUSTOMER NAME : CLUBHOUSE และ งานปรับปรุงพื้นที่โรงงานและเก็บมลพิษทางอากาศ (ระหว่างก่อสร้าง)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : uaec@uaec.com
MEASURING PLACE : งานเก็บมลพิษทางอากาศบริเวณพื้นที่ว่างเปล่า
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : MARCH 18-19, 2025
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR. PIRAT KUMNERAKSA
RECEIVED DATE : MARCH 18-19, 2025
ANALYTICAL DATE : MARCH 18-19, 2025
ISSUE DATE : APRIL 1, 2025
REPORT NO. : 2025-U027811
WORK NO. : 2025-000588
ANALYSIS NO. : T25AG107-0001

TIME *	RESULT (ppm)	
	NITROGEN DIOXIDE	
	งานเก็บมลพิษทางอากาศบริเวณพื้นที่ว่างเปล่า C	
	MARCH 18 - 19, 2025	
	T25AG107-0001	
11:00-12:00 HOUR	0.046	
12:00-13:00 HOUR	0.037	
13:00-14:00 HOUR	0.053	
14:00-15:00 HOUR	0.048	
15:00-16:00 HOUR	0.038	
16:00-17:00 HOUR	0.038	
17:00-18:00 HOUR	0.038	
18:00-19:00 HOUR	0.042	
19:00-20:00 HOUR	0.063	
20:00-21:00 HOUR	0.036	
21:00-22:00 HOUR	0.035	
22:00-23:00 HOUR	0.051	
23:00-00:00 HOUR	0.049	
00:00-01:00 HOUR	0.034	
01:00-02:00 HOUR	0.049	
02:00-03:00 HOUR	0.047	
03:00-04:00 HOUR	0.059	
04:00-05:00 HOUR	0.037	
05:00-06:00 HOUR	0.027	
06:00-07:00 HOUR	0.053	
07:00-08:00 HOUR	0.032	
08:00-09:00 HOUR	0.049	
09:00-10:00 HOUR	0.049	
10:00-11:00 HOUR	0.049	

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ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินเพื่อการค้าและที่อยู่อาศัยในเขตกรุงเทพมหานคร บริเวณที่ดินทำกิน
CUSTOMER NAME : CLUBHOUSE และ งานฟื้นฟูพื้นที่บริเวณถนนสุขุมวิท (ซอยสุขุมวิท)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
TELEPHONE : TEL : 063 997 9715 E-mail : gshe.encomy@encomy.com
MEASURING PLACE : งานฟื้นฟูพื้นที่บริเวณถนนสุขุมวิท (ซอยสุขุมวิท)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : MARCH 18-19, 2025
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR PAIRAT KUMNERDRAKSA

RECEIVED DATE : MARCH 18-19, 2025
ANALYTICAL DATE : MARCH 18-19, 2025
ISSUE DATE : APRIL 1, 2025
REPORT NO. : 2025-U027812
WORK NO. : 2025-000588
ANALYSIS NO. : T25AG107-0001

TIME *	RESULT (ppm)	
	SULPHUR DIOXIDE	
	มกราคม ๒๕๖๘	
	T25AG107-0001	
11:00-12:00 HOUR	0.0029	
12:00-13:00 HOUR	0.0032	
13:00-14:00 HOUR	0.0039	
14:00-15:00 HOUR	0.0036	
15:00-16:00 HOUR	0.0036	
16:00-17:00 HOUR	0.0036	
17:00-18:00 HOUR	0.0036	
18:00-19:00 HOUR	0.0043	
19:00-20:00 HOUR	0.0043	
20:00-21:00 HOUR	0.0036	
21:00-22:00 HOUR	0.0035	
22:00-23:00 HOUR	0.0036	
23:00-00:00 HOUR	0.0036	
00:00-01:00 HOUR	0.0031	
01:00-02:00 HOUR	0.0035	
02:00-03:00 HOUR	0.0043	
03:00-04:00 HOUR	0.0031	
04:00-05:00 HOUR	0.0043	
05:00-06:00 HOUR	0.0042	
06:00-07:00 HOUR	0.0032	
07:00-08:00 HOUR	0.0041	
08:00-09:00 HOUR	0.0032	
09:00-10:00 HOUR	0.0045	
10:00-11:00 HOUR	0.0041	
AVERAGE 24 HOUR	0.0037	



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ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินเพื่อการค้าและที่อยู่อาศัยในเขตกรุงเทพมหานคร บริเวณที่ดินทำกิน
CUSTOMER NAME : CLUBHOUSE และ งานฟื้นฟูพื้นที่บริเวณถนนสุขุมวิท (ซอยสุขุมวิท)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
TELEPHONE : TEL : 063 997 9715 E-mail : gshe.encomy@encomy.com
MEASURING PLACE : งานฟื้นฟูพื้นที่บริเวณถนนสุขุมวิท (ซอยสุขุมวิท)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : MARCH 18-19, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION***
MEASURED BY : MR PAIRAT KUMNERDRAKSA

RECEIVED DATE : MARCH 18-19, 2025
ANALYTICAL DATE : MARCH 18-19, 2025
ISSUE DATE : APRIL 1, 2025
REPORT NO. : 2025-U027813
WORK NO. : 2025-000588
ANALYSIS NO. : T25AG107-0003

DATE	TIME*	RESULT (dB(A))				
		การวัดเสียงตามจุดที่กำหนด				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
MARCH 18, 2025 T25AG107-0003	DAY TIME ^{1/}					
	07:00-08:00 HOUR	52.5 ^v	48.2 **	50.5 ^v	48.0 **	4.5
	08:00-09:00 HOUR	50.0 ^v	47.9 **	45.8 ^v	45.6 **	<0.8 ^v
	09:00-10:00 HOUR	53.9 ^v	50.1 **	51.5 ^v	47.4 **	4.1
	10:00-11:00 HOUR	51.4 ^v	50.6 **	43.8 ^v	48.0 **	<0.8 ^v
	11:00-12:00 HOUR	55.4 ^v	51.7 **	53.0 ^v	49.4 **	3.6
	12:00-13:00 HOUR	53.0 ^v	50.7 **	49.1 ^v	48.2 **	4.9
	13:00-14:00 HOUR	56.2 ^v	51.7 **	54.3 ^v	49.4 **	0.9
	14:00-15:00 HOUR	52.4 ^v	50.3 **	48.3 ^v	48.0 **	<0.8 ^v
	15:00-16:00 HOUR	52.4 ^v	51.1 **	46.5 ^v	48.6 **	<0.8 ^v
	16:00-17:00 HOUR	51.2 ^v	50.2 **	44.5 ^v	47.4 **	<0.8 ^v
	17:00-18:00 HOUR	56.0 ^v	52.8 **	53.2 ^v	50.3 **	2.9
	18:00-19:00 HOUR	53.2 ^v	48.7 **	51.3 ^v	46.5 **	4.8
	19:00-20:00 HOUR	54.0 ^v	49.7 **	52.0 ^v	46.8 **	5.2
	20:00-21:00 HOUR	51.7 ^v	47.9 **	49.4 ^v	46.0 **	3.4
	21:00-22:00 HOUR	48.9 ^v	47.6 **	43.1 ^v	44.7 **	<0.8 ^v
	NIGHT TIME ^{2/}					
	22:00-22:05 HOUR	48.9 ^v	47.4 **	46.7 ^v	44.5 **	2.2
	22:05-22:10 HOUR	47.3 ^v	47.4 **	<0.8 ^v	44.5 **	<0.8 ^v
22:10-22:15 HOUR	48.7 ^v	47.4 **	45.8 ^v	44.5 **	1.3	
22:15-22:20 HOUR	49.6 ^v	48.0 **	47.6 ^v	45.6 **	2.0	
22:20-22:25 HOUR	48.9 ^v	48.0 **	44.6 ^v	45.6 **	<0.8 ^v	
22:25-22:30 HOUR	48.8 ^v	48.0 **	44.1 ^v	45.6 **	<0.8 ^v	
22:30-22:35 HOUR	50.8 ^v	49.4 **	48.2 ^v	47.3 **	0.9	
22:35-22:40 HOUR	49.9 ^v	49.4 **	43.3 ^v	47.3 **	<0.8 ^v	
22:40-22:45 HOUR	51.8 ^v	49.4 **	51.1 ^v	47.3 **	3.8	
22:45-22:50 HOUR	50.0 ^v	48.0 **	46.3 ^v	46.3 **	<0.8 ^v	
22:50-22:55 HOUR	50.8 ^v	49.0 **	49.1 ^v	46.3 **	2.8	
22:55-23:00 HOUR	49.2 ^v	48.0 **	39.7 ^v	46.3 **	<0.8 ^v	
23:00-23:05 HOUR	48.5 ^v	46.8 **	46.5 ^v	44.7 **	1.8	
23:05-23:10 HOUR	49.8 ^v	46.8 **	49.7 ^v	44.7 **	5.0	

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
MARCH 18, 2025 TZSAGI07-0003	NIGHT TIME ²⁾					
	23:10-23:15 HOUR	47.9 ²⁾	46.8 ^{***}	44.4 ²⁾	44.7 ^{***}	<0.8 ²⁾
	23:15-23:20 HOUR	48.1 ²⁾	47.5 ^{***}	41.9 ²⁾	44.8 ^{***}	<0.8 ²⁾
	23:20-23:25 HOUR	48.7 ²⁾	47.5 ^{***}	45.6 ²⁾	44.8 ^{***}	0.8
	23:25-23:30 HOUR	49.5 ²⁾	47.5 ^{***}	48.1 ²⁾	44.8 ^{***}	3.3
	23:30-23:35 HOUR	50.2 ²⁾	47.1 ^{***}	50.4 ²⁾	44.3 ^{***}	6.1
	23:35-23:40 HOUR	48.6 ²⁾	47.1 ^{***}	46.5 ²⁾	44.3 ^{***}	2.2
	23:40-23:45 HOUR	47.6 ²⁾	47.1 ^{***}	40.9 ²⁾	44.3 ^{***}	<0.8 ²⁾
	23:45-23:50 HOUR	48.8 ²⁾	46.8 ^{***}	47.5 ²⁾	43.9 ^{***}	3.6
	23:50-23:55 HOUR	49.3 ²⁾	46.8 ^{***}	48.8 ²⁾	43.9 ^{***}	4.9
	23:55-00:00 HOUR	47.8 ²⁾	46.8 ^{***}	44.1 ²⁾	43.9 ^{***}	<0.8 ²⁾
	NIGHT TIME ²⁾					
	00:00-00:05 HOUR	46.1 ²⁾	49.0 ^{***}	<0.8 ²⁾	46.2 ^{***}	<0.8 ²⁾
	00:05-00:10 HOUR	50.9 ²⁾	49.0 ^{***}	49.4 ²⁾	46.2 ^{***}	3.2
	00:10-00:15 HOUR	50.7 ²⁾	49.0 ^{***}	49.0 ²⁾	46.2 ^{***}	2.8
	00:15-00:20 HOUR	50.2 ²⁾	49.8 ^{***}	45.2 ²⁾	47.0 ^{***}	<0.8 ²⁾
MARCH 19, 2025 TZSAGI07-0003	00:20-00:25 HOUR	48.1 ²⁾	49.8 ^{***}	<0.8 ²⁾	47.0 ^{***}	<0.8 ²⁾
	00:25-00:30 HOUR	50.2 ²⁾	49.8 ^{***}	44.8 ²⁾	47.0 ^{***}	<0.8 ²⁾
	00:30-00:35 HOUR	50.8 ²⁾	49.2 ^{***}	48.8 ²⁾	47.3 ^{***}	1.5
	00:35-00:40 HOUR	51.4 ²⁾	49.2 ^{***}	50.4 ²⁾	47.3 ^{***}	3.1
	00:40-00:45 HOUR	50.9 ²⁾	49.2 ^{***}	49.0 ²⁾	47.3 ^{***}	1.7
	00:45-00:50 HOUR	50.5 ²⁾	49.6 ^{***}	46.6 ²⁾	46.8 ^{***}	<0.8 ²⁾
	00:50-00:55 HOUR	50.9 ²⁾	49.6 ^{***}	48.0 ²⁾	46.8 ^{***}	1.2
	00:55-01:00 HOUR	51.4 ²⁾	49.6 ^{***}	49.8 ²⁾	46.8 ^{***}	3.0
	01:00-01:05 HOUR	51.8 ²⁾	49.9 ^{***}	50.3 ²⁾	47.2 ^{***}	3.1
	01:05-01:10 HOUR	51.1 ²⁾	49.9 ^{***}	47.9 ²⁾	47.2 ^{***}	<0.8 ²⁾
	01:10-01:15 HOUR	51.5 ²⁾	49.9 ^{***}	49.6 ²⁾	47.2 ^{***}	2.4
	01:15-01:20 HOUR	50.8 ²⁾	49.5 ^{***}	48.0 ²⁾	47.1 ^{***}	0.9
	01:20-01:25 HOUR	50.9 ²⁾	49.5 ^{***}	48.3 ²⁾	47.1 ^{***}	1.2
	01:25-01:30 HOUR	50.4 ²⁾	49.5 ^{***}	46.2 ²⁾	47.1 ^{***}	<0.8 ²⁾
	01:30-01:35 HOUR	51.2 ²⁾	49.4 ^{***}	49.4 ²⁾	46.8 ^{***}	2.6
	01:35-01:40 HOUR	50.4 ²⁾	49.4 ^{***}	46.6 ²⁾	46.8 ^{***}	<0.8 ²⁾
	01:40-01:45 HOUR	52.1 ²⁾	49.4 ^{***}	51.7 ²⁾	46.8 ^{***}	4.9
	01:45-01:50 HOUR	51.1 ²⁾	50.5 ^{***}	45.2 ²⁾	47.6 ^{***}	<0.8 ²⁾
	01:50-01:55 HOUR	51.8 ²⁾	50.5 ^{***}	49.0 ²⁾	47.6 ^{***}	1.4
	01:55-02:00 HOUR	52.2 ²⁾	50.5 ^{***}	50.3 ²⁾	47.6 ^{***}	2.7
	02:00-02:05 HOUR	52.6 ²⁾	49.5 ^{***}	52.4 ²⁾	46.6 ^{***}	5.8
	02:05-02:10 HOUR	51.2 ²⁾	49.5 ^{***}	49.3 ²⁾	46.6 ^{***}	2.7
	02:10-02:15 HOUR	49.6 ²⁾	49.5 ^{***}	34.8 ²⁾	46.6 ^{***}	<0.8 ²⁾
	02:15-02:20 HOUR	49.2 ²⁾	48.4 ^{***}	46.8 ²⁾	46.5 ^{***}	5.2
	02:20-02:25 HOUR	51.6 ²⁾	48.4 ^{***}	51.7 ²⁾	46.5 ^{***}	4.6
	02:25-02:30 HOUR	51.3 ²⁾	48.4 ^{***}	49.2 ²⁾	47.1 ^{***}	2.1
	02:30-02:35 HOUR	51.0 ²⁾	49.3 ^{***}	49.4 ²⁾	47.1 ^{***}	2.3
	02:35-02:40 HOUR	51.1 ²⁾	48.3 ^{***}	49.4 ²⁾	47.1 ^{***}	<0.8 ²⁾
	02:40-02:45 HOUR	50.3 ²⁾	49.3 ^{***}	46.4 ²⁾	47.1 ^{***}	

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
MARCH 19, 2025 TZSAGI07-0003	NIGHT TIME ²⁾					
	02:45-02:50 HOUR	50.0 ²⁾	49.5 ^{***}	43.4 ²⁾	47.0 ^{***}	<0.8 ²⁾
	02:50-02:55 HOUR	50.7 ²⁾	49.5 ^{***}	47.5 ²⁾	47.0 ^{***}	<0.8 ²⁾
	02:55-03:00 HOUR	51.0 ²⁾	49.5 ^{***}	48.5 ²⁾	47.0 ^{***}	1.5
	03:00-03:05 HOUR	52.4 ²⁾	50.2 ^{***}	51.4 ²⁾	47.4 ^{***}	4.0
	03:05-03:10 HOUR	50.9 ²⁾	50.2 ^{***}	46.1 ²⁾	47.4 ^{***}	<0.8 ²⁾
	03:10-03:15 HOUR	50.3 ²⁾	50.2 ^{***}	39.0 ²⁾	47.4 ^{***}	<0.8 ²⁾
	03:15-03:20 HOUR	52.3 ²⁾	48.9 ^{***}	52.6 ²⁾	46.0 ^{***}	6.6
	03:20-03:25 HOUR	50.8 ²⁾	48.9 ^{***}	49.3 ²⁾	46.0 ^{***}	3.3
	03:25-03:30 HOUR	49.3 ²⁾	48.9 ^{***}	42.2 ²⁾	46.0 ^{***}	<0.8 ²⁾
	03:30-03:35 HOUR	50.2 ²⁾	49.0 ^{***}	47.0 ²⁾	46.4 ^{***}	<0.8 ²⁾
	03:35-03:40 HOUR	50.8 ²⁾	49.0 ^{***}	49.1 ²⁾	46.4 ^{***}	2.7
	03:40-03:45 HOUR	50.6 ²⁾	49.0 ^{***}	48.4 ²⁾	46.4 ^{***}	2.0
	03:45-03:50 HOUR	49.5 ²⁾	48.8 ^{***}	44.2 ²⁾	46.2 ^{***}	<0.8 ²⁾
	03:50-03:55 HOUR	48.7 ²⁾	48.8 ^{***}	<0.8 ²⁾	46.2 ^{***}	<0.8 ²⁾
	03:55-04:00 HOUR	50.5 ²⁾	48.8 ^{***}	48.8 ²⁾	46.2 ^{***}	2.6
	04:00-04:05 HOUR	49.6 ²⁾	48.8 ^{***}	44.9 ²⁾	46.4 ^{***}	<0.8 ²⁾
	04:05-04:10 HOUR	51.1 ²⁾	48.8 ^{***}	50.3 ²⁾	46.4 ^{***}	3.9
	04:10-04:15 HOUR	50.6 ²⁾	48.8 ^{***}	49.0 ²⁾	46.4 ^{***}	2.6
	04:15-04:20 HOUR	51.3 ²⁾	49.7 ^{***}	49.3 ²⁾	47.1 ^{***}	2.2
	04:20-04:25 HOUR	51.2 ²⁾	49.7 ^{***}	48.7 ²⁾	47.1 ^{***}	1.6
	04:25-04:30 HOUR	50.4 ²⁾	49.7 ^{***}	45.1 ²⁾	47.1 ^{***}	<0.8 ²⁾
	04:30-04:35 HOUR	50.7 ²⁾	49.3 ^{***}	47.9 ²⁾	47.0 ^{***}	0.9
	04:35-04:40 HOUR	49.8 ²⁾	49.3 ^{***}	43.4 ²⁾	47.0 ^{***}	<0.8 ²⁾
	04:40-04:45 HOUR	50.7 ²⁾	49.3 ^{***}	48.1 ²⁾	47.0 ^{***}	1.1
	04:45-04:50 HOUR	50.3 ²⁾	48.8 ^{***}	48.0 ²⁾	46.5 ^{***}	1.5
	04:50-04:55 HOUR	50.0 ²⁾	48.8 ^{***}	46.6 ²⁾	46.5 ^{***}	<0.8 ²⁾
	04:55-05:00 HOUR	49.7 ²⁾	48.8 ^{***}	45.3 ²⁾	46.5 ^{***}	<0.8 ²⁾
	05:00-05:05 HOUR	51.2 ²⁾	49.4 ^{***}	49.4 ²⁾	46.9 ^{***}	2.5
	05:05-05:10 HOUR	50.0 ²⁾	49.4 ^{***}	44.1 ²⁾	46.9 ^{***}	<0.8 ²⁾
	05:10-05:15 HOUR	51.8 ²⁾	49.4 ^{***}	51.0 ²⁾	47.1 ^{***}	4.1
	05:15-05:20 HOUR	53.1 ²⁾	50.0 ^{***}	53.2 ²⁾	47.1 ^{***}	6.1
	05:20-05:25 HOUR	51.2 ²⁾	50.0 ^{***}	48.1 ²⁾	47.1 ^{***}	1.0
	05:25-05:30 HOUR	50.0 ²⁾	50.0 ^{***}	<0.8 ²⁾	47.1 ^{***}	<0.8 ²⁾
	05:30-05:35 HOUR	50.0 ²⁾	48.9 ^{***}	46.5 ²⁾	46.7 ^{***}	<0.8 ²⁾
	05:35-05:40 HOUR	49.4 ²⁾	48.9 ^{***}	43.1 ²⁾	46.7 ^{***}	<0.8 ²⁾
	05:40-05:45 HOUR	50.0 ²⁾	48.9 ^{***}	46.5 ²⁾	46.7 ^{***}	<0.8 ²⁾
	05:45-05:50 HOUR	51.3 ²⁾	50.0 ^{***}	48.4 ²⁾	47.3 ^{***}	1.1
	05:50-05:55 HOUR	49.3 ²⁾	50.0 ^{***}	<0.8 ²⁾	47.3 ^{***}	<0.8 ²⁾
	05:55-06:00 HOUR	52.4 ²⁾	50.0 ^{***}	51.7 ²⁾	47.3 ^{***}	4.4
	DAY TIME ²⁾					
	06:00-07:00 HOUR	51.3 ²⁾	50.0 ^{***}	45.5 ²⁾	47.7 ^{***}	<0.8 ²⁾

ANALYSIS REPORT

PROJECT NAME	: โครงการขุดลอก โขง ขยายขนาดการขุดลอกบริเวณท้ายเขื่อนทดน้ำคลองระบองเพ็ด
CUSTOMER NAME	: CLUBHOUSE และ ส่วนปฏิบัติการควบคุมการขุดลอกแม่น้ำท่าหลวงจังหวัดพระนครศรีอยุธยา
ADDRESS	: 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION	: TEL : 063 997 9715 e-mail : gste.encony@encony.com
MEASURING SOURCE	: ส่วนปฏิบัติการควบคุมการขุดลอกแม่น้ำท่าหลวง
MEASURING TYPE	: AMBIENT (NOISE)
MEASURING DATE	: MARCH 18-19, 2025
MEASURING TIME	: *
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER**
MEASURED BY	: MR PIRAT KUMNERAKSA

TIME	RESULT dB(A)			
	การบันทึกผลการวัดระดับความดังเสียงจากตัวเครื่อง C			
	MARCH 18 - 19, 2025			
	T25AG107-0003			
	1 meter 1 hour	1 meter 1 hour	1 meter 1 hour	1 meter 1 hour
07:00-08:00 HOUR	52.5	71.7		47.6
08:00-09:00 HOUR	50.0	65.4		46.7
09:00-10:00 HOUR	53.9	73.0		48.6
10:00-11:00 HOUR	51.4	67.2		49.4
11:00-12:00 HOUR	55.4	74.5		50.1
12:00-13:00 HOUR	53.0	73.0		49.0
13:00-14:00 HOUR	56.2	74.7		50.8
14:00-15:00 HOUR	52.4	71.1		49.2
15:00-16:00 HOUR	52.4	70.0		49.6
16:00-17:00 HOUR	51.2	67.5		48.8
17:00-18:00 HOUR	56.0	74.2		52.5
18:00-19:00 HOUR	53.2	72.4		48.1
19:00-20:00 HOUR	54.0	73.3		48.1
20:00-21:00 HOUR	51.7	72.8		47.1
21:00-22:00 HOUR	48.9	64.2		46.3
22:00-23:00 HOUR	49.7	65.0		47.0
23:00-00:00 HOUR	48.8	64.2		46.0
00:00-01:00 HOUR	50.4	65.5		48.2
01:00-02:00 HOUR	51.3	67.1		48.6
02:00-03:00 HOUR	50.9	66.6		48.4
03:00-04:00 HOUR	50.6	66.6		48.2
04:00-05:00 HOUR	50.5	65.1		48.0
05:00-06:00 HOUR	51.0	67.4		48.1
06:00-07:00 HOUR	51.3	66.5		49.0
Leave 24 hours		52.4		

*** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)
NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

*** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2548) REGARDING THE CALCULATION METHOD FOR CONTROLLING NOISE AND
DETERMINATION OF STANDARDS FOR CONTROLLING NOISE AND
NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL,
AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL
AND COMMERCIAL ACTIVITIES, DATED NOVEMBER 3, B.E. 2548

MR SILA BANJONGJAI(UK)
LABORATORY SUPERVISOR

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End of Analysis Report -



REMARK :

1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS L_{Aeq} 1 hour.

2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS L_{Aeq} 5 minutes.

3/ THERE IS NO IMPACT CAUSE ANNOYANCE SOUND LEVEL

** PERCENTILE LEVEL 90 (L₉₀) IS THE MIDDLE VALUE OF 11 TIMES MEASURING.
(55 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR)
AND RESIDUAL SOUND LEVEL (L_{Aeq} 5 minutes) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

*** PERCENTILE LEVEL 90 (L₉₀) IS THE MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)
AND RESIDUAL SOUND LEVEL (L_{Aeq} 5 minutes) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

**** ISO 1996-1 : 2016

***** THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 29 (B.E. 2550) REGARDING NOISE LEVEL STANDARDS, DATED JUNE 29, B.E. 2550 (2007)

***** THE ANNOUNCEMENT FROM THE POLLUTION CONTROL COMMITTEE TITLED "METHODS FOR MEASURING BASELINE NOISE LEVELS; NOISE LEVELS DURING NON-INTERFERENCE, MEASUREMENT AND CALCULATION OF NOISE LEVELS DURING INTERFERENCE, CALCULATION OF NOISE INTERFERENCE LEVELS, AND NOISE MEASUREMENT RECORD FORMS, DATED SEPTEMBER 21, B.E. 2565 (2022).

***** THE MINISTRY OF INDUSTRY ANNOUNCEMENT (B.E. 2548) REGARDING "DETERMINATION OF NOISE LEVELS FOR INDUSTRIAL OPERATIONS AND NOISE LEVELS GENERATED BY FACTORY ACTIVITIES," DATED DECEMBER 27, B.E. 2548 (2005).

***** THE DEPARTMENT OF INDUSTRIAL WORKS ANNOUNCEMENT REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVELS, AND MAXIMUM NOISE LEVELS GENERATED BY INDUSTRIAL OPERATIONS, DATED DECEMBER 20, B.E. 2553 (2010).

(MR. SULA BANJONGJAIKUK)
LABORATORY SUPERVISOR

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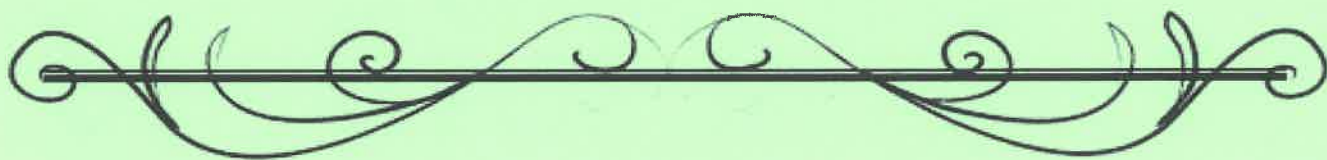
ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างโรงงานผลิตและแปรรูปยางพารา (ยางแผ่นรมควัน) ระหว่างดำเนินการสร้าง
CUSTOMER NAME : CLUBHOUSE และ งานปรับปรุงภูมิทัศน์โดยรอบพื้นที่โครงการ (บริษัทสวน)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
MEASURING PLACE : ภายในพื้นที่ก่อสร้างโรงงานแปรรูปยางพารา C
MEASURING TYPE : AMBIENT (VIBRATION)
MEASURING DATE : MARCH 18-19, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : VIBRATION METER
MEASURED BY : MR PAIRAT KUMNERDRAKSA
RECEIVED DATE : MARCH 18-19, 2025
ANALYTICAL DATE : MARCH 18-19, 2025
ISSUE DATE : APRIL 1, 2025
REPORT NO. : 2025-U027815
WORK NO. : 2025-000588
ANALYSIS NO. : T25AGI07-0004

DATE	TIME *	RESULT					
		TRANSVERSE			VERTICAL		
		X-AXIS (LONGITUDINAL)	Y-AXIS (TRANSVERSE)	Z-AXIS (VERTICAL)	VELOCITY (mm/s)	FREQUENCY (Hz)	FREQUENCY (Hz)
MARCH 18, 2025 T25AGI07-0004	08:48:29 HOUR	0.307	0.741	3.0	1.481	2.6	2.6
	14:20:25 HOUR	0.583	0.071	3.4	1.757	2.7	2.7
	16:49:59 HOUR	0.347	0.441	3.1	0.183	2.5	2.5
	19:35:47 HOUR	0.426	0.457	4.8	0.276	3.6	3.6
	22:06:32 HOUR	0.638	0.654	4.8	0.638	3.8	3.8
MARCH 19, 2025 T25AGI07-0004	03:02:54 HOUR	0.599	1.140	5.5	1.734	2.6	2.6
	04:47:40 HOUR	0.465	0.024	7.7	1.411	5.6	5.6

REMARK : REFERENCE MEASUREMENT METHOD
- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS. FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
** DIN 45669-1:2010
** DIN 4150-3:1999

รายงานผลการติดตามตรวจสอบ คุณภาพอากาศ เสียง
และความสั่นสะเทือน ในบรรยากาศโดยทั่วไป
เดือนเมษายน พ.ศ. 2568





NSC-TIS-17025
TESTING 0207

United Analyst and Engineering Consultant Co., Ltd.
101/101 Sukkhumvit Road, Sukhumvit Road, Bangkok 10110
Tel: 02-262 2828 Fax: 02-262 2829 Email: info@uae.co.th

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาศูนย์ควบคุมการจราจรทางบก (BRT) ในพื้นที่ถนนสุขุมวิท กรุงเทพมหานคร
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qsthe.encony@encony.com
SAMPLING SOURCE : AMBIENT
SAMPLE TYPE : *
SAMPLING DATE : APRIL 10, 2025
SAMPLING TIME : *
SAMPLING BY : MR. DANUPORN KONGSRI
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : APRIL 10, 2025
ANALYTICAL DATE : APRIL 10-17, 2025
ISSUE DATE : APRIL 25, 2025
REPORT NO. : 2025-U035293
WORK NO. : 2025-000588
ANALYSIS NO. : T25AH878-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.038
PARTICULATE MATTER as PM ₁₀ (≤ 10 μm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.018
SAMPLE CONDITION			COMPLETE

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 1100 HOUR ON APRIL 8, 2025 TO 1100 HOUR ON APRIL 9, 2025.

NO SIGNATURE
NO SIGNATURE
BY THE GROUP (THAI) CLUD.

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NSC-TIS-17025
TESTING 0207

United Analyst and Engineering Consultant Co., Ltd.
101/101 Sukkhumvit Road, Sukhumvit Road, Bangkok 10110
Tel: 02-262 2828 Fax: 02-262 2829 Email: info@uae.co.th

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาศูนย์ควบคุมการจราจรทางบก (BRT) ในพื้นที่ถนนสุขุมวิท กรุงเทพมหานคร
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qsthe.encony@encony.com
SAMPLING SOURCE : AMBIENT
SAMPLE TYPE : *
SAMPLING DATE : APRIL 10, 2025
SAMPLING TIME : *
SAMPLING BY : MR. DANUPORN KONGSRI
ANALYZED BY : MISS JETJARN TUMSA-AT
RECEIVED DATE : APRIL 10, 2025
ANALYTICAL DATE : APRIL 10-17, 2025
ISSUE DATE : APRIL 25, 2025
REPORT NO. : 2025-U035294
WORK NO. : 2025-000588
ANALYSIS NO. : T25AH878-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.030
PARTICULATE MATTER as PM ₁₀ (≤ 10 μm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.018
SAMPLE CONDITION			COMPLETE

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 1130 HOUR ON APRIL 8, 2025 TO 1130 HOUR ON APRIL 9, 2025.

NO SIGNATURE
NO SIGNATURE
BY THE GROUP (THAI) CLUD.

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ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาระบบการป้องกันและลดผลกระทบสิ่งแวดล้อม ระหว่างดำเนินการก่อสร้าง CLUBHOUSE และ อาคารจอดรถยนต์บริเวณพื้นที่โครงการ (ส่วนที่ 1)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 E-mail : qshae.encomy@encomy.com
MEASURING PLACE : ภายในพื้นที่โครงการส่วนที่ 1 บริเวณทางเข้า C
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 8-9, 2025
MEASURING TIME : *
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR DANUPORN KONGSRI
RECEIVED DATE : APRIL 8-9, 2025
ANALYTICAL DATE : APRIL 8-9, 2025
ISSUE DATE : APRIL 17, 2025
REPORT NO. : 2025-U031626
WORK NO. : 2025-000588
ANALYSIS NO. : T25A-H78-0001

TIME *	RESULT (ppm)	
	CARBON MONOXIDE	
	ภายในพื้นที่โครงการส่วนที่ 1 บริเวณทางเข้า C	
	APRIL 8 - 9, 2025	
	T25A-H78-0001	
11:00-12:00 HOUR	0.99	
12:00-13:00 HOUR	1.24	
13:00-14:00 HOUR	1.01	
14:00-15:00 HOUR	0.82	
15:00-16:00 HOUR	0.81	
16:00-17:00 HOUR	1.10	
17:00-18:00 HOUR	1.23	
18:00-19:00 HOUR	0.95	
19:00-20:00 HOUR	0.95	
20:00-21:00 HOUR	0.83	
21:00-22:00 HOUR	1.00	
22:00-23:00 HOUR	1.18	
23:00-00:00 HOUR	1.19	
00:00-01:00 HOUR	1.00	
01:00-02:00 HOUR	0.82	
02:00-03:00 HOUR	0.80	
03:00-04:00 HOUR	1.20	
04:00-05:00 HOUR	1.19	
05:00-06:00 HOUR	1.29	
06:00-07:00 HOUR	0.99	
07:00-08:00 HOUR	0.99	
08:00-09:00 HOUR	0.82	
09:00-10:00 HOUR	1.20	
10:00-11:00 HOUR	1.15	

NO SOLIDUS CENTERED
NO SOLIDUS CENTERED
BY RS GROUP (THAILAND) CO., LTD.



- End of Analysis Report -

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาระบบการป้องกันและลดผลกระทบสิ่งแวดล้อม ระหว่างดำเนินการก่อสร้าง CLUBHOUSE และ อาคารจอดรถยนต์บริเวณพื้นที่โครงการ (ส่วนที่ 1)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 E-mail : qshae.encomy@encomy.com
MEASURING PLACE : ภายในพื้นที่โครงการส่วนที่ 1 บริเวณทางเข้า C
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 8-9, 2025
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR DANUPORN KONGSRI
RECEIVED DATE : APRIL 8-9, 2025
ANALYTICAL DATE : APRIL 8-9, 2025
ISSUE DATE : APRIL 17, 2025
REPORT NO. : 2025-U031627
WORK NO. : 2025-000588
ANALYSIS NO. : T25A-H78-0001

TIME *	RESULT (ppm)	
	NITROGEN DIOXIDE	
	ภายในพื้นที่โครงการส่วนที่ 1 บริเวณทางเข้า C	
	APRIL 8 - 9, 2025	
	T25A-H78-0001	
11:00-12:00 HOUR	0.0041	
12:00-13:00 HOUR	0.0050	
13:00-14:00 HOUR	0.0048	
14:00-15:00 HOUR	0.0027	
15:00-16:00 HOUR	0.0019	
16:00-17:00 HOUR	0.0024	
17:00-18:00 HOUR	0.0029	
18:00-19:00 HOUR	0.0030	
19:00-20:00 HOUR	0.0031	
20:00-21:00 HOUR	0.0027	
21:00-22:00 HOUR	0.0019	
22:00-23:00 HOUR	0.0013	
23:00-00:00 HOUR	0.0017	
00:00-01:00 HOUR	0.0014	
01:00-02:00 HOUR	0.0013	
02:00-03:00 HOUR	0.0018	
03:00-04:00 HOUR	0.0033	
04:00-05:00 HOUR	0.0036	
05:00-06:00 HOUR	0.0039	
06:00-07:00 HOUR	0.0024	
07:00-08:00 HOUR	0.0018	
08:00-09:00 HOUR	0.0020	
09:00-10:00 HOUR	0.0031	
10:00-11:00 HOUR	0.0038	

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NO SOLIDUS CENTERED
BY RS GROUP (THAILAND) CO., LTD.



- End of Analysis Report -

ANALYSIS REPORT

PROJECT NAME : โครงการคอนโด บ้านนาเกลือ 10000 CLUBHOUSE และ งานปรับปรุงภูมิทัศน์สวนสาธารณะบ้านนาเกลือ (ส่วนต่อเติม)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gsha.encomy@encomy.com
MEASURING PLACE : งานปรับปรุงภูมิทัศน์สวนสาธารณะบ้านนาเกลือ (ส่วนต่อเติม)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 8-9, 2025
MEASURING TIME : *
MEASURING METHOD : UV FLUORESCENCE
MEASURED BY : MR DANUPORN KONGSRI

RECEIVED DATE : APRIL 8-9, 2025
ANALYTICAL DATE : APRIL 8-9, 2025
ISSUE DATE : APRIL 17, 2025
REPORT NO. : 2025-U031628
WORK NO. : 2025-000588
ANALYSIS NO. : T25AH78-0001

TIME *	RESULT (ppm)	
	SULPHUR DIOXIDE	
	งานปรับปรุงภูมิทัศน์สวนสาธารณะบ้านนาเกลือ (ส่วนต่อเติม) C	
	APRIL 8 - 9, 2025	
	T25AH78-0001	
11:00-12:00 HOUR	0.0037	
12:00-13:00 HOUR	0.0035	
13:00-14:00 HOUR	0.0047	
14:00-15:00 HOUR	0.0043	
15:00-16:00 HOUR	0.0042	
16:00-17:00 HOUR	0.0041	
17:00-18:00 HOUR	0.0040	
18:00-19:00 HOUR	0.0040	
19:00-20:00 HOUR	0.0040	
20:00-21:00 HOUR	0.0040	
21:00-22:00 HOUR	0.0043	
22:00-23:00 HOUR	0.0039	
23:00-00:00 HOUR	0.0038	
00:00-01:00 HOUR	0.0039	
01:00-02:00 HOUR	0.0038	
02:00-03:00 HOUR	0.0038	
03:00-04:00 HOUR	0.0037	
04:00-05:00 HOUR	0.0038	
05:00-06:00 HOUR	0.0040	
06:00-07:00 HOUR	0.0038	
07:00-08:00 HOUR	0.0037	
08:00-09:00 HOUR	0.0038	
09:00-10:00 HOUR	0.0039	
10:00-11:00 HOUR	0.0037	
AVERAGE 24 HOUR	0.0039	

NO NOISES CAPTURED
NO NOISES CAPTURED
BY MR. DANUPORN KONGSRI

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- End of Analysis Report -

ANALYSIS REPORT

PROJECT NAME : โครงการคอนโด บ้านนาเกลือ 10000 CLUBHOUSE และ งานปรับปรุงภูมิทัศน์สวนสาธารณะบ้านนาเกลือ (ส่วนต่อเติม)
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gsha.encomy@encomy.com
MEASURING PLACE : งานปรับปรุงภูมิทัศน์สวนสาธารณะบ้านนาเกลือ (ส่วนต่อเติม) C
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : APRIL 8-9, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION***
MEASURED BY : MR DANUPORN KONGSRI

RECEIVED DATE : APRIL 8-9, 2025
ANALYTICAL DATE : APRIL 8-9, 2025
ISSUE DATE : APRIL 17, 2025
REPORT NO. : 2025-U031629
WORK NO. : 2025-000588
ANALYSIS NO. : T25AH78-0003

DATE	TIME*	RESULT (dB(A))			
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL
APRIL 8, 2025	DAY TIME				
T25AH78-0003	11:00-12:00 HOUR	50.4 v	46.5 **	48.1 v	45.3 **
	12:00-13:00 HOUR	50.2 v	45.9 **	48.2 v	44.6 **
	13:00-14:00 HOUR	49.5 v	45.5 **	47.3 v	44.1 **
	14:00-15:00 HOUR	49.2 v	44.9 **	47.2 v	43.5 **
	15:00-16:00 HOUR	49.1 v	44.6 **	47.2 v	43.4 **
	16:00-17:00 HOUR	50.0 v	45.3 **	48.2 v	43.9 **
	17:00-18:00 HOUR	49.2 v	45.2 **	47.0 v	43.7 **
	18:00-19:00 HOUR	49.4 v	45.1 **	47.4 v	43.9 **
	19:00-20:00 HOUR	50.2 v	45.8 **	48.2 v	44.2 **
	20:00-21:00 HOUR	45.6 v	44.4 **	39.5 v	42.6 **
	21:00-22:00 HOUR	45.5 v	43.9 **	40.3 v	42.8 **
	NIGHT TIME				
	22:00-22:05 HOUR	45.3 v	43.7 **	43.2 v	42.3 **
	22:05-22:10 HOUR	45.2 v	43.7 **	42.9 v	42.3 **
	22:10-22:15 HOUR	45.0 v	43.7 **	42.2 v	42.3 **
	22:15-22:20 HOUR	45.3 v	44.2 **	41.4 v	42.9 **
	22:20-22:25 HOUR	45.2 v	44.2 **	41.4 v	42.9 **
	22:25-22:30 HOUR	45.9 v	44.2 **	44.0 v	42.9 **
	22:30-22:35 HOUR	45.7 v	44.3 **	43.1 v	42.7 **
	22:35-22:40 HOUR	44.5 v	44.3 **	34.2 v	42.7 **
	22:40-22:45 HOUR	45.9 v	44.3 **	43.8 v	42.7 **
	22:45-22:50 HOUR	45.8 v	44.3 **	43.5 v	43.2 **
	22:50-22:55 HOUR	45.7 v	44.3 **	43.1 v	43.2 **
	22:55-23:00 HOUR	45.9 v	44.3 **	43.8 v	43.2 **
	23:00-23:05 HOUR	45.6 v	44.0 **	43.5 v	42.5 **
	23:05-23:10 HOUR	45.5 v	44.0 **	43.2 v	42.5 **
	23:10-23:15 HOUR	45.5 v	44.0 **	43.2 v	42.5 **
	23:15-23:20 HOUR	44.8 v	44.0 **	40.4 v	42.8 **
	23:20-23:25 HOUR	45.5 v	44.0 **	43.1 v	42.8 **
	23:25-23:30 HOUR	45.9 v	44.0 **	44.4 v	42.8 **

NO NOISES CAPTURED
NO NOISES CAPTURED
BY MR. DANUPORN KONGSRI

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 8, 2025 T25A-H78-0003	NIGHT TIME 3/					
	23:30-23:35 HOUR	46.1 ^{1/2}	44.6 ^{***}	43.8 ^{1/2}	43.2 ^{***}	<0.8 ^{1/2}
	23:35-23:40 HOUR	46.4 ^{1/2}	44.6 ^{***}	44.7 ^{1/2}	43.2 ^{***}	1.5
	23:40-23:45 HOUR	46.1 ^{1/2}	44.6 ^{***}	43.7 ^{1/2}	43.2 ^{***}	<0.8 ^{1/2}
	23:45-23:50 HOUR	45.1 ^{1/2}	43.6 ^{***}	42.7 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}
	23:50-23:55 HOUR	44.8 ^{1/2}	43.6 ^{***}	41.6 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}
	23:55-00:00 HOUR	45.8 ^{1/2}	43.6 ^{***}	44.8 ^{1/2}	42.4 ^{***}	2.4
	NIGHT TIME 3/					
	00:00-00:05 HOUR	46.1 ^{1/2}	45.0 ^{***}	42.6 ^{1/2}	43.2 ^{***}	<0.8 ^{1/2}
	00:05-00:10 HOUR	46.2 ^{1/2}	45.0 ^{***}	43.0 ^{1/2}	43.2 ^{***}	<0.8 ^{1/2}
APRIL 9, 2025 T25A-H78-0003	00:10-00:15 HOUR	45.6 ^{1/2}	45.0 ^{***}	39.7 ^{1/2}	43.2 ^{***}	<0.8 ^{1/2}
	00:15-00:20 HOUR	45.0 ^{1/2}	43.8 ^{***}	41.6 ^{1/2}	42.0 ^{***}	<0.8 ^{1/2}
	00:20-00:25 HOUR	45.8 ^{1/2}	43.8 ^{***}	44.6 ^{1/2}	42.0 ^{***}	2.6
	00:25-00:30 HOUR	45.0 ^{1/2}	43.8 ^{***}	41.8 ^{1/2}	42.0 ^{***}	<0.8 ^{1/2}
	00:30-00:35 HOUR	45.2 ^{1/2}	44.2 ^{***}	41.4 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}
	00:35-00:40 HOUR	45.2 ^{1/2}	44.2 ^{***}	41.3 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}
	00:40-00:45 HOUR	46.1 ^{1/2}	44.2 ^{***}	44.5 ^{1/2}	42.4 ^{***}	2.1
	00:45-00:50 HOUR	44.5 ^{1/2}	43.7 ^{***}	39.5 ^{1/2}	42.2 ^{***}	<0.8 ^{1/2}
	00:50-00:55 HOUR	45.3 ^{1/2}	43.7 ^{***}	43.2 ^{1/2}	42.2 ^{***}	1.0
	00:55-01:00 HOUR	46.0 ^{1/2}	43.7 ^{***}	45.1 ^{1/2}	42.2 ^{***}	2.9
	01:00-01:05 HOUR	44.1 ^{1/2}	43.6 ^{***}	37.4 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}
	01:05-01:10 HOUR	44.4 ^{1/2}	43.6 ^{***}	39.6 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}
	01:10-01:15 HOUR	44.7 ^{1/2}	43.6 ^{***}	41.2 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}
	01:15-01:20 HOUR	44.5 ^{1/2}	44.6 ^{***}	<0.8 ^{1/2}	43.0 ^{***}	<0.8 ^{1/2}
	01:20-01:25 HOUR	45.5 ^{1/2}	44.6 ^{***}	41.2 ^{1/2}	43.0 ^{***}	<0.8 ^{1/2}
	01:25-01:30 HOUR	45.9 ^{1/2}	44.6 ^{***}	43.0 ^{1/2}	43.0 ^{***}	<0.8 ^{1/2}
	01:30-01:35 HOUR	44.5 ^{1/2}	43.5 ^{***}	40.6 ^{1/2}	41.9 ^{***}	<0.8 ^{1/2}
	01:35-01:40 HOUR	45.1 ^{1/2}	43.5 ^{***}	43.0 ^{1/2}	41.9 ^{***}	1.1
	01:40-01:45 HOUR	45.6 ^{1/2}	43.5 ^{***}	44.4 ^{1/2}	41.9 ^{***}	2.5
	01:45-01:50 HOUR	45.2 ^{1/2}	44.0 ^{***}	42.0 ^{1/2}	42.8 ^{***}	<0.8 ^{1/2}
	01:50-01:55 HOUR	45.3 ^{1/2}	44.0 ^{***}	42.4 ^{1/2}	42.8 ^{***}	<0.8 ^{1/2}
	01:55-02:00 HOUR	44.9 ^{1/2}	44.0 ^{***}	40.6 ^{1/2}	42.8 ^{***}	<0.8 ^{1/2}
	02:00-02:05 HOUR	44.1 ^{1/2}	43.3 ^{***}	39.3 ^{1/2}	41.8 ^{***}	<0.8 ^{1/2}
	02:05-02:10 HOUR	44.6 ^{1/2}	43.3 ^{***}	41.7 ^{1/2}	41.8 ^{***}	<0.8 ^{1/2}
	02:10-02:15 HOUR	44.5 ^{1/2}	43.3 ^{***}	41.3 ^{1/2}	41.8 ^{***}	<0.8 ^{1/2}
	02:15-02:20 HOUR	43.9 ^{1/2}	42.7 ^{***}	40.7 ^{1/2}	41.2 ^{***}	<0.8 ^{1/2}
	02:20-02:25 HOUR	43.5 ^{1/2}	42.7 ^{***}	38.7 ^{1/2}	41.2 ^{***}	<0.8 ^{1/2}
	02:25-02:30 HOUR	44.7 ^{1/2}	42.7 ^{***}	43.3 ^{1/2}	41.2 ^{***}	2.1
	02:30-02:35 HOUR	43.9 ^{1/2}	42.4 ^{***}	41.5 ^{1/2}	40.8 ^{***}	<0.8 ^{1/2}
	02:35-02:40 HOUR	43.6 ^{1/2}	42.4 ^{***}	40.4 ^{1/2}	40.8 ^{***}	<0.8 ^{1/2}
	02:40-02:45 HOUR	43.1 ^{1/2}	42.4 ^{***}	37.8 ^{1/2}	40.8 ^{***}	<0.8 ^{1/2}
	02:45-02:50 HOUR	44.1 ^{1/2}	43.6 ^{***}	37.1 ^{1/2}	41.8 ^{***}	<0.8 ^{1/2}
	02:50-02:55 HOUR	44.1 ^{1/2}	43.6 ^{***}	37.5 ^{1/2}	41.8 ^{***}	<0.8 ^{1/2}
	02:55-03:00 HOUR	44.5 ^{1/2}	43.6 ^{***}	40.2 ^{1/2}	41.8 ^{***}	<0.8 ^{1/2}
	03:00-03:05 HOUR	43.4 ^{1/2}	43.0 ^{***}	35.9 ^{1/2}	41.6 ^{***}	<0.8 ^{1/2}

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NO NOISES CAPTURED
 NO NOISES CAPTURED
 BY BS GROUP (THAILAND) CO., LTD.

DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
APRIL 9, 2025 T25A-H78-0003	NIGHT TIME 3/					
	03:05-03:10 HOUR	44.0 ^{1/2}	43.0 ^{***}	40.1 ^{1/2}	41.6 ^{***}	<0.8 ^{1/2}
	03:10-03:15 HOUR	44.6 ^{1/2}	43.0 ^{***}	42.4 ^{1/2}	41.6 ^{***}	0.8
	03:15-03:20 HOUR	43.3 ^{1/2}	43.0 ^{***}	34.5 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	03:20-03:25 HOUR	44.2 ^{1/2}	43.0 ^{***}	41.0 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	03:25-03:30 HOUR	44.2 ^{1/2}	43.0 ^{***}	41.8 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	03:30-03:35 HOUR	44.7 ^{1/2}	42.3 ^{***}	43.9 ^{1/2}	41.0 ^{***}	2.9
	03:35-03:40 HOUR	43.8 ^{1/2}	42.3 ^{***}	41.4 ^{1/2}	41.0 ^{***}	<0.8 ^{1/2}
	03:40-03:45 HOUR	43.0 ^{1/2}	42.3 ^{***}	37.7 ^{1/2}	41.0 ^{***}	<0.8 ^{1/2}
	03:45-03:50 HOUR	44.4 ^{1/2}	43.1 ^{***}	41.5 ^{1/2}	41.7 ^{***}	<0.8 ^{1/2}
	03:50-03:55 HOUR	44.4 ^{1/2}	43.1 ^{***}	41.5 ^{1/2}	41.7 ^{***}	<0.8 ^{1/2}
	03:55-04:00 HOUR	44.3 ^{1/2}	43.1 ^{***}	41.1 ^{1/2}	41.7 ^{***}	<0.8 ^{1/2}
	04:00-04:05 HOUR	44.2 ^{1/2}	43.6 ^{***}	38.2 ^{1/2}	42.1 ^{***}	<0.8 ^{1/2}
	04:05-04:10 HOUR	45.0 ^{1/2}	43.6 ^{***}	42.4 ^{1/2}	42.1 ^{***}	<0.8 ^{1/2}
	04:10-04:15 HOUR	44.3 ^{1/2}	43.6 ^{***}	40.1 ^{1/2}	42.1 ^{***}	<0.8 ^{1/2}
	04:15-04:20 HOUR	43.8 ^{1/2}	42.6 ^{***}	40.6 ^{1/2}	40.8 ^{***}	<0.8 ^{1/2}
	04:20-04:25 HOUR	43.4 ^{1/2}	42.6 ^{***}	38.6 ^{1/2}	40.8 ^{***}	<0.8 ^{1/2}
	04:25-04:30 HOUR	43.7 ^{1/2}	42.6 ^{***}	40.1 ^{1/2}	40.8 ^{***}	<0.8 ^{1/2}
	04:30-04:35 HOUR	44.6 ^{1/2}	43.2 ^{***}	41.9 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	04:35-04:40 HOUR	44.3 ^{1/2}	43.2 ^{***}	41.5 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	04:40-04:45 HOUR	44.1 ^{1/2}	43.2 ^{***}	39.8 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	04:45-04:50 HOUR	44.4 ^{1/2}	43.2 ^{***}	41.2 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	04:50-04:55 HOUR	44.8 ^{1/2}	43.2 ^{***}	42.6 ^{1/2}	41.5 ^{***}	1.1
	04:55-05:00 HOUR	44.0 ^{1/2}	43.2 ^{***}	39.2 ^{1/2}	41.5 ^{***}	<0.8 ^{1/2}
	05:00-05:05 HOUR	44.0 ^{1/2}	42.9 ^{***}	40.5 ^{1/2}	41.3 ^{***}	<0.8 ^{1/2}
	05:05-05:10 HOUR	43.4 ^{1/2}	42.9 ^{***}	36.3 ^{1/2}	41.3 ^{***}	<0.8 ^{1/2}
	05:10-05:15 HOUR	44.3 ^{1/2}	42.9 ^{***}	43.4 ^{1/2}	41.3 ^{***}	2.1
	05:15-05:20 HOUR	44.6 ^{1/2}	41.8 ^{***}	44.3 ^{1/2}	40.5 ^{***}	3.8
	05:20-05:25 HOUR	43.4 ^{1/2}	41.8 ^{***}	41.3 ^{1/2}	40.5 ^{***}	0.8
	05:25-05:30 HOUR	43.6 ^{1/2}	41.8 ^{***}	41.9 ^{1/2}	40.5 ^{***}	1.4
	05:30-05:35 HOUR	44.4 ^{1/2}	43.0 ^{***}	41.8 ^{1/2}	41.4 ^{***}	<0.8 ^{1/2}
	05:35-05:40 HOUR	44.6 ^{1/2}	43.0 ^{***}	42.5 ^{1/2}	41.4 ^{***}	1.1
	05:40-05:45 HOUR	43.4 ^{1/2}	43.0 ^{***}	35.7 ^{1/2}	41.4 ^{***}	<0.8 ^{1/2}
	05:45-05:50 HOUR	43.5 ^{1/2}	42.6 ^{***}	39.2 ^{1/2}	41.3 ^{***}	<0.8 ^{1/2}
	05:50-05:55 HOUR	44.2 ^{1/2}	42.6 ^{***}	42.1 ^{1/2}	41.3 ^{***}	0.8
	05:55-06:00 HOUR	44.2 ^{1/2}	42.6 ^{***}	42.1 ^{1/2}	41.3 ^{***}	0.8
	DAY TIME 3/					
	06:00-07:00 HOUR	43.9 ^{1/2}	42.5 ^{***}	38.4 ^{1/2}	41.2 ^{***}	<0.8 ^{1/2}
	07:00-08:00 HOUR	46.4 ^{1/2}	43.5 ^{***}	43.3 ^{1/2}	42.3 ^{***}	1.0
	08:00-09:00 HOUR	46.9 ^{1/2}	43.9 ^{***}	43.9 ^{1/2}	42.6 ^{***}	1.3
	09:00-10:00 HOUR	47.7 ^{1/2}	43.8 ^{***}	45.4 ^{1/2}	42.3 ^{***}	3.1
	10:00-11:00 HOUR	48.0 ^{1/2}	43.2 ^{***}	46.3 ^{1/2}	41.6 ^{***}	4.7

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NO NOISES CAPTURED
 NO NOISES CAPTURED
 BY BS GROUP (THAILAND) CO., LTD.



- REMARK:
- 1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS L_{Aeq} 1 hour.
 - 2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS L_{Aeq} 5 minutes.
 - 3/ THERE IS NO IMPACT CAUSE ANNOYANCE SOUND LEVEL.
- ** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 11 TIMES MEASURING.
(55 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR)
AND RESIDUAL SOUND LEVEL (L_{Aeq} 5 minutes) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
- *** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 3 TIMES MEASURING.
(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)
AND RESIDUAL SOUND LEVEL (L_{Aeq} 5 minutes) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
- **** ISO 1996-1 : 2016
***** THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 29 (B.E. 2550) REGARDING NOISE LEVEL STANDARDS, DATED JUNE 29, B.E. 2550 (2007)
***** THE ANNOUNCEMENT FROM THE POLLUTION CONTROL COMMITTEE TITLED "METHODS FOR MEASURING BASELINE NOISE LEVELS, NOISE LEVELS DURING NON-INTERFERENCE, MEASUREMENT AND CALCULATION OF NOISE LEVELS DURING INTERFERENCE, CALCULATION OF NOISE INTERFERENCE LEVELS, AND NOISE MEASUREMENT RECORD FORMS, DATED SEPTEMBER 21, B.E. 2565 (2022).
***** THE MINISTRY OF INDUSTRY ANNOUNCEMENT (B.E. 2548) REGARDING "DETERMINATION OF NOISE LEVELS FOR INDUSTRIAL OPERATIONS AND NOISE LEVELS GENERATED BY FACTORY ACTIVITIES," DATED DECEMBER 27, B.E. 2548 (2005).
***** THE DEPARTMENT OF INDUSTRIAL WORKS ANNOUNCEMENT REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVELS, AND MAXIMUM NOISE LEVELS GENERATED BY INDUSTRIAL OPERATIONS, DATED DECEMBER 20, B.E. 2553 (2010).



ANALYSIS REPORT

โครงการติดตั้ง งานตามงานการวัดผลกระทบจากเสียงรบกวนจากโรงงานอุตสาหกรรม บริษัท อีเนอร์จี คอมเพล็กซ์ จำกัด (มหาชน)
CLUBHOUSE เลขที่ 555/1 ถนนวิภาวดีรังสิต แขวงจตุจักร กรุงเทพมหานคร 10900
ENERGY COMPLEX COMPANY LIMITED
555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
TEL : 063 997 9715 e-mail : qsthe.encomy@encomy.com
สถานที่ตั้งโรงงานอุตสาหกรรม : กรุงเทพมหานคร เขตจตุจักร (ตามแผนที่แนบมา)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : APRIL 8-9, 2025
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MR DANUPORN KONGSRI

RECEIVED DATE : APRIL 8-9, 2025
ANALYTICAL DATE : APRIL 8-9, 2025
ISSUE DATE : APRIL 17, 2025
REPORT NO. : 2025-U031630
WORK NO. : 2025-000588
ANALYSIS NO. : T25A-H878-0003

TIME*	RESULT dB(A)	
	Layer 1 hour	Layer 1 hour
11:00-12:00 HOUR	50.4	56.4
12:00-13:00 HOUR	50.2	65.1
13:00-14:00 HOUR	49.5	65.5
14:00-15:00 HOUR	49.2	65.2
15:00-16:00 HOUR	49.1	64.8
16:00-17:00 HOUR	50.0	65.5
17:00-18:00 HOUR	49.2	64.3
18:00-19:00 HOUR	49.4	66.0
19:00-20:00 HOUR	50.2	65.6
20:00-21:00 HOUR	45.6	60.8
21:00-22:00 HOUR	45.5	61.8
22:00-23:00 HOUR	45.5	61.5
23:00-00:00 HOUR	45.6	62.0
00:00-01:00 HOUR	45.5	60.9
01:00-02:00 HOUR	45.0	61.4
02:00-03:00 HOUR	44.0	59.6
03:00-04:00 HOUR	44.0	59.6
04:00-05:00 HOUR	44.2	59.4
05:00-06:00 HOUR	44.0	59.8
06:00-07:00 HOUR	43.9	59.4
07:00-08:00 HOUR	46.4	63.8
08:00-09:00 HOUR	46.9	62.9
09:00-10:00 HOUR	47.7	64.8
10:00-11:00 HOUR	48.0	63.0
Layer 24 hours	47.6	

REMARK: ** ISO 1996-1:2016

*** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15, B.E. 2540 (1997) (MARCH 12, 1997)

**** NOTIFICATION OF THE POLLUTION CONTROL COMMITTEE TITLED "METHODS FOR MEASURING BASELINE NOISE LEVELS, NOISE LEVELS DURING NON-INTERFERENCE, MEASUREMENT AND CALCULATION OF NOISE LEVELS DURING INTERFERENCE, CALCULATION OF NOISE INTERFERENCE LEVELS, AND NOISE MEASUREMENT RECORD FORMS, DATED SEPTEMBER 21, B.E. 2565 (2022).

***** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ANNOUNCEMENT REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVELS, AND MAXIMUM NOISE LEVELS GENERATED BY INDUSTRIAL OPERATIONS, DATED DECEMBER 20, B.E. 2553 (2010).

***** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548

***** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ANNOUNCEMENT REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, DATED DECEMBER 20, B.E. 2553 (2010).

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***** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ANNOUNCEMENT REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, DATED DECEMBER 20, B.E. 2553 (2010).

ISO 1996-1:2016
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2025-U031629

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(MR. SILA BANTONG/ARUK)
LABORATORY SUPERVISOR

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ASR-TSI-TIS 17025
TESTING 0247

United Analyst and Engineering Consultant Co., Ltd.

55/1 Vibhavadi-Rangsit Road, Bangkok, Thailand 10900
Tel: 0 2432 2118 Fax: 0 2432 2119 Email: info@unitedanalyst.com

ANALYSIS REPORT

PROJECT NAME : โครงการปรับปรุง งานระบบอาคาร (ปรับปรุงอาคารเดิมเป็นอาคารพาณิชย์) อาคารพาณิชย์ 10900
CUSTOMER NAME : CLUBHOUSE และ งานบริการที่พักและร้านอาหาร (ร้านอาหาร)
ADDRESS : 55/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qstle.enr@unitedanalyst.com
MEASURING PLACE : งานปรับปรุงอาคารพาณิชย์ 10900 อาคาร C
MEASURING TYPE : AMBIENT (VIBRATION)
MEASURING DATE : APRIL 8-9, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : VIBRATION METER
MEASURED BY : MR DANUPORN KONGSRI
RECEIVED DATE : APRIL 8-9, 2025
ANALYTICAL DATE : APRIL 8-9, 2025
ISSUE DATE : APRIL 17, 2025
REPORT NO. : 2025-U031624
WORK NO. : 2025-000588
ANALYSIS NO. : T25AH878-0004

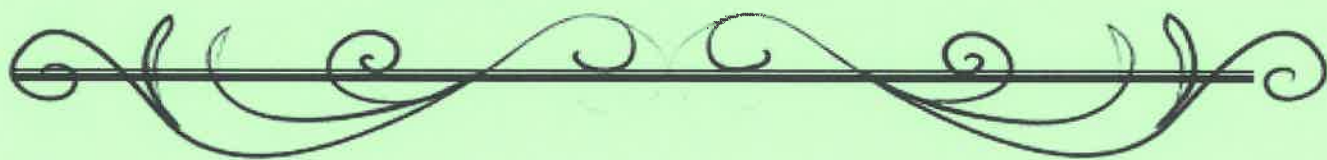
DATE	TIME *	RESULT					
		TRANSVERSE			VERTICAL		
		X-AXIS (LONGITUDINAL)	Y-AXIS (TRANSVERSE)	Z-AXIS (VERTICAL)	VELOCITY (mm/s)	FREQUENCY (Hz)	FREQUENCY (Hz)
APRIL 8, 2025 T25AH878-0004	11:52:27 HOUR	0.784	2.1	5.173	4.2	0.229	9.4
	14:44:05 HOUR	0.213	6.6	0.229	5.1	0.079	12.7
	15:44:49 HOUR	0.068	4.3	0.165	3.8	0.260	6.0
	16:41:45 HOUR	0.165	3.8	0.221	3.8	0.362	13.4
	17:44:38 HOUR	0.221	4.9	0.236	3.6	0.386	7.7
APRIL 9, 2025 T25AH878-0004		<0.200 //	NOT APPLICABLE //	<0.200 //	NOT APPLICABLE //	<0.200 //	NOT APPLICABLE //

REMARK : REFERENCE MEASUREMENT METHOD
- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45669-1:2010
- DIN 4150-3:1999
1/ NONEXISTENT 2C FREQUENCY
2/ THE VELOCITY ARE LESS THAN TRIGGER LEVEL.

DO NOT SIGNATURE
NO ADDRESS
BY 1ST HOUR (THANKS) COULD

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รายงานผลการติดตามตรวจสอบ คุณภาพอากาศ เสียง
และความสั่นสะเทือน ในบรรยากาศโดยทั่วไป
เดือนพฤษภาคม พ.ศ. 2568





NSC-TSI-115 17023
TESTING 0207

LAE United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrahanong, Bangkok 10250
Tel: 02-2763 2828 Fax: 02-2763 2890 www.laeconsultant.com E-mail: lae@laeconsultant.com

ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างอาคารพาณิชย์และโรงแรมในเขตกรุงเทพมหานคร บริเวณย่านนวัตกรรม
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL: 063 997 9715 E-mail: gche.encomy@encomy.com
SAMPLING SOURCE : ภายในพื้นที่โครงการย่านนวัตกรรม C
SAMPLE TYPE : AMBIENT
SAMPLING TIME : *
SAMPLING DATE : *
SAMPLING BY : MR DANUPORN KONGSRI
ANALYZED BY : MISS JETJARIN TUNSA-AT

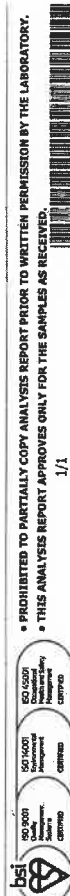
RECEIVED DATE : MAY 16, 2025
ANALYTICAL DATE : MAY 16-21, 2025
ISSUE DATE : MAY 26, 2025
REPORT NO. : 2025-U045801
WORK NO. : 2025-000588
ANALYSIS NO. : T25AK559-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	ภายในพื้นที่โครงการย่านนวัตกรรม C T25AK559-0001 0.039
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.028
SAMPLE CONDITION		COMPLETE	

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 1100 HOUR ON MAY 13, 2025 TO 1100 HOUR ON MAY 14, 2025.



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- End of Analysis Report -



NSC-TSI-115 17023
TESTING 0207

LAE United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangkok, Phrahanong, Bangkok 10250
Tel: 02-2763 2828 Fax: 02-2763 2890 www.laeconsultant.com E-mail: lae@laeconsultant.com

ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างอาคารพาณิชย์และโรงแรมในเขตกรุงเทพมหานคร บริเวณย่านนวัตกรรม
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL: 063 997 9715 E-mail: gche.encomy@encomy.com
SAMPLING SOURCE : ภายในพื้นที่โครงการ
SAMPLE TYPE : AMBIENT
SAMPLING TIME : *
SAMPLING DATE : *
SAMPLING BY : MR DANUPORN KONGSRI
ANALYZED BY : MISS JETJARIN TUNSA-AT

RECEIVED DATE : MAY 16, 2025
ANALYTICAL DATE : MAY 16-21, 2025
ISSUE DATE : MAY 26, 2025
REPORT NO. : 2025-U045802
WORK NO. : 2025-000588
ANALYSIS NO. : T25AK559-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	ภายในพื้นที่โครงการ T25AK559-0002 0.028
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.014
SAMPLE CONDITION		COMPLETE	

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
: SAMPLING FROM 1100 HOUR ON MAY 13, 2025 TO 1100 HOUR ON MAY 14, 2025.



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* THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

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- End of Analysis Report -

ANALYSIS REPORT

PROJECT NAME : โครงการจัดตั้ง งานระบบอาคารใช้ตามอาคารขี้นกับระบบไซเบอร์ของมหาวิทยาลัยขอนแก่น ขนว่านทำเป็นภาพที่เสร็จ

CUSTOMER NAME : CLUBHOUSE และ งานระบบป้องกันโจรกรรมกล้องบันทึกเหตุการณ์ (ระบบดาวต้า)

ADDRESS : ENERGY COMPLEX COMPANY LIMITED

CONTACT INFORMATION : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK CHATUCHAK BANGKOK 10900

MEASURING PLACE : TEL : 063 997 9715 e-mail : qstee.encony@encony.com

MEASURING TYPE : AMBIENT (AIR) : ภาชนะที่เก็บกลั่นที่วางบนที่วางอาหาร C

MEASURING DATE : MAY 13-14, 2025

MEASURING TIME : * :

MEASURING METHOD : UV FLUORESCENCE

MEASURED BY : MR DANUPORN KONGSRI

RECEIVED DATE : MAY 13-14, 2025

ANALYTICAL DATE : MAY 13-14, 2025

ISSUE DATE : MAY 22, 2025

REPORT NO. : 2025-U045097

WORK NO. : 2025-000588

ANALYSIS NO. : T25NC559-0001

TIME *	RESULT (ppm)
	NITROGEN DIOXIDE
	สถานีอุตสาหกรรมไฟฟ้าแม่เมาะ
	MAY 13 - 14, 2025
	T25M559-0001
11:00-12:00 HOUR	0.0077
12:00-13:00 HOUR	0.0062
13:00-14:00 HOUR	0.0035
14:00-15:00 HOUR	0.0023
15:00-16:00 HOUR	0.0021
16:00-17:00 HOUR	0.0027
17:00-18:00 HOUR	0.0036
18:00-19:00 HOUR	0.0049
19:00-20:00 HOUR	0.0065
20:00-21:00 HOUR	0.0071
21:00-22:00 HOUR	0.0076
22:00-23:00 HOUR	0.0074
23:00-00:00 HOUR	0.0071
00:00-01:00 HOUR	0.0061
01:00-02:00 HOUR	0.0057
02:00-03:00 HOUR	0.0049
03:00-04:00 HOUR	0.0052
04:00-05:00 HOUR	0.0058
05:00-06:00 HOUR	0.0066
06:00-07:00 HOUR	0.0068
07:00-08:00 HOUR	0.0061
08:00-09:00 HOUR	0.0064
09:00-10:00 HOUR	0.0064
10:00-11:00 HOUR	0.0066

MR. SULA BANJONGJAI (RUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินเพื่อการพาณิชย์และที่อยู่อาศัยบริเวณถนนสุขุมวิท แขวงคลองเตย เขตวัฒนา กรุงเทพมหานคร
CUSTOMER NAME : CLUBHOUSE และ งานบริหารโครงการคอนโดมิเนียม (สุขุมวิท)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
MEASURING PLACE : TEL : 063 997 9715 e-mail : gshe.encomy@encomy.com
MEASURING TYPE : AMBIENT (AIR) RECEIVED DATE : MAY 13-14, 2025
MEASURING DATE : MAY 13-14, 2025 ANALYTICAL DATE : MAY 13-14, 2025
MEASURING TIME : * ISSUE DATE : MAY 22, 2025
MEASURING METHOD : UV FLUORESCENCE REPORT NO. : 2025-U045099
MEASURED BY : MR DANUPORN KONGSRI WORK NO. : 2025-000588
ANALYSIS NO. : T25AK559-0001

TIME *	RESULT (ppm)	
	SULPHUR DIOXIDE	
MAY 13 - 14, 2025		
T25AK559-0001		
11:00-12:00 HOUR	0.0034	
12:00-13:00 HOUR	0.0026	
13:00-14:00 HOUR	0.0028	
14:00-15:00 HOUR	0.0027	
15:00-16:00 HOUR	0.0022	
16:00-17:00 HOUR	0.0029	
17:00-18:00 HOUR	0.0028	
18:00-19:00 HOUR	0.0041	
19:00-20:00 HOUR	0.0043	
20:00-21:00 HOUR	0.0055	
21:00-22:00 HOUR	0.0042	
22:00-23:00 HOUR	0.0041	
23:00-00:00 HOUR	0.0043	
00:00-01:00 HOUR	0.0043	
01:00-02:00 HOUR	0.0046	
02:00-03:00 HOUR	0.0043	
03:00-04:00 HOUR	0.0032	
04:00-05:00 HOUR	0.0036	
05:00-06:00 HOUR	0.0027	
06:00-07:00 HOUR	0.0029	
07:00-08:00 HOUR	0.0038	
08:00-09:00 HOUR	0.0041	
09:00-10:00 HOUR	0.0048	
10:00-11:00 HOUR	0.0041	
AVERAGE 24 HOUR	0.0037	



ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินเพื่อการพาณิชย์และที่อยู่อาศัยบริเวณถนนสุขุมวิท แขวงคลองเตย เขตวัฒนา กรุงเทพมหานคร
CUSTOMER NAME : CLUBHOUSE และ งานบริหารโครงการคอนโดมิเนียม (สุขุมวิท)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
MEASURING PLACE : TEL : 063 997 9715 e-mail : gshe.encomy@encomy.com
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE) RECEIVED DATE : MAY 13-14, 2025
MEASURING DATE : MAY 13-14, 2025 ANALYTICAL DATE : MAY 13-14, 2025
MEASURING TIME : * ISSUE DATE : MAY 22, 2025
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION*** REPORT NO. : 2025-U045100
MEASURED BY : MR DANUPORN KONGSRI WORK NO. : 2025-000588
ANALYSIS NO. : T25AK559-0003

DATE	TIME*	RESULT (dB(A))				
		การวัดเสียงตามพื้นที่วัดทางยาว C				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
MAY 13, 2025 T25AK559-0003	DAY TIME ¹⁾					
	11:00-12:00 HOUR	55.7 ¹⁾	52.2 ^{**}	53.1 ¹⁾	50.9 ^{**}	2.2
	12:00-13:00 HOUR	56.0 ¹⁾	54.2 ^{**}	51.3 ¹⁾	52.4 ^{**}	<0.8 ¹⁾
	13:00-14:00 HOUR	59.9 ¹⁾	57.8 ^{**}	55.8 ¹⁾	56.2 ^{**}	<0.8 ¹⁾
	14:00-15:00 HOUR	59.2 ¹⁾	56.6 ^{**}	55.7 ¹⁾	55.1 ^{**}	<0.8 ¹⁾
	15:00-16:00 HOUR	53.5 ¹⁾	51.8 ^{**}	48.6 ¹⁾	50.0 ^{**}	<0.8 ¹⁾
	16:00-17:00 HOUR	51.5 ¹⁾	49.7 ^{**}	46.9 ¹⁾	48.2 ^{**}	<0.8 ¹⁾
	17:00-18:00 HOUR	49.7 ¹⁾	48.7 ^{**}	42.9 ¹⁾	47.1 ^{**}	<0.8 ¹⁾
	18:00-19:00 HOUR	55.6 ¹⁾	52.0 ^{**}	53.1 ¹⁾	50.3 ^{**}	2.8
	19:00-20:00 HOUR	57.8 ¹⁾	53.1 ^{**}	56.0 ¹⁾	51.9 ^{**}	4.1
	20:00-21:00 HOUR	53.1 ¹⁾	52.2 ^{**}	46.0 ¹⁾	50.6 ^{**}	<0.8 ¹⁾
	21:00-22:00 HOUR	50.2 ¹⁾	48.9 ^{**}	44.3 ¹⁾	47.6 ^{**}	<0.8 ¹⁾
	NIGHT TIME ²⁾					
	22:00-22:05 HOUR	49.1 ²⁾	48.1 ^{***}	45.0 ²⁾	46.8 ^{***}	<0.8 ¹⁾
	22:05-22:10 HOUR	51.9 ²⁾	48.1 ^{***}	52.3 ²⁾	46.8 ^{***}	5.7
	22:10-22:15 HOUR	49.4 ²⁾	48.1 ^{***}	46.5 ²⁾	46.8 ^{***}	<0.8 ¹⁾
	22:15-22:20 HOUR	50.1 ²⁾	48.5 ^{***}	47.9 ²⁾	46.8 ^{***}	1.1
	22:20-22:25 HOUR	49.4 ²⁾	48.5 ^{***}	45.1 ²⁾	46.8 ^{***}	<0.8 ¹⁾
	22:25-22:30 HOUR	48.9 ²⁾	48.5 ^{***}	41.0 ²⁾	46.8 ^{***}	<0.8 ¹⁾
	22:30-22:35 HOUR	48.0 ²⁾	48.8 ^{***}	<0.8 ²⁾	47.0 ^{***}	<0.8 ¹⁾
	22:35-22:40 HOUR	49.8 ²⁾	48.8 ^{***}	46.0 ²⁾	47.0 ^{***}	<0.8 ¹⁾
	22:40-22:45 HOUR	50.7 ²⁾	48.8 ^{***}	49.1 ²⁾	47.0 ^{***}	2.1
	22:45-22:50 HOUR	49.7 ²⁾	48.3 ^{***}	47.1 ²⁾	46.6 ^{***}	<0.8 ¹⁾
	22:50-22:55 HOUR	48.7 ²⁾	48.3 ^{***}	41.5 ²⁾	46.6 ^{***}	<0.8 ¹⁾
22:55-23:00 HOUR	51.0 ²⁾	48.3 ^{***}	50.7 ²⁾	46.6 ^{***}	4.1	
23:00-23:05 HOUR	51.2 ²⁾	49.8 ^{***}	48.8 ²⁾	48.5 ^{***}	<0.8 ¹⁾	
23:05-23:10 HOUR	51.2 ²⁾	49.8 ^{***}	48.6 ²⁾	48.5 ^{***}	<0.8 ¹⁾	
23:10-23:15 HOUR	48.5 ²⁾	49.8 ^{***}	<0.8 ²⁾	48.5 ^{***}	<0.8 ¹⁾	
23:15-23:20 HOUR	49.4 ²⁾	46.7 ^{***}	49.1 ²⁾	44.9 ^{***}	4.2	
23:20-23:25 HOUR	47.5 ²⁾	46.7 ^{***}	42.6 ²⁾	44.9 ^{***}	<0.8 ¹⁾	
23:25-23:30 HOUR	48.0 ²⁾	46.7 ^{***}	45.1 ²⁾	44.9 ^{***}	<0.8 ¹⁾	

DATE	TIME*	RESULT (dB(A))				
		การวัดในห้องนอนพื้นที่รวมทั้งหมด 10 C				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
MAY 14, 2025 T25A0559-0003	NIGHT TIME ^{1/}					
	03:05-03:10 HOUR	45.2 ^{1/}	43.8 ^{***}	42.6 ^{1/2}	42.5 ^{***}	<0.8 ^{1/2}
	03:10-03:15 HOUR	45.3 ^{1/}	43.8 ^{***}	42.8 ^{1/2}	42.5 ^{***}	<0.8 ^{1/2}
	03:15-03:20 HOUR	45.3 ^{1/}	43.7 ^{***}	43.2 ^{1/2}	42.0 ^{***}	1.2
	03:20-03:25 HOUR	45.0 ^{1/}	43.7 ^{***}	41.9 ^{1/2}	42.0 ^{***}	<0.8 ^{1/2}
	03:25-03:30 HOUR	44.7 ^{1/}	43.7 ^{***}	40.8 ^{1/2}	42.0 ^{***}	<0.8 ^{1/2}
	03:30-03:35 HOUR	45.5 ^{1/}	43.7 ^{***}	44.0 ^{1/2}	42.6 ^{***}	1.4
	03:35-03:40 HOUR	44.9 ^{1/}	43.7 ^{***}	41.9 ^{1/2}	42.6 ^{***}	<0.8 ^{1/2}
	03:40-03:45 HOUR	45.2 ^{1/}	43.7 ^{***}	42.8 ^{1/2}	42.6 ^{***}	<0.8 ^{1/2}
	03:45-03:50 HOUR	44.1 ^{1/}	43.8 ^{***}	35.1 ^{1/2}	42.0 ^{***}	<0.8 ^{1/2}
	03:50-03:55 HOUR	44.9 ^{1/}	43.8 ^{***}	41.4 ^{1/2}	42.0 ^{***}	<0.8 ^{1/2}
	03:55-04:00 HOUR	45.7 ^{1/}	43.8 ^{***}	44.0 ^{1/2}	42.0 ^{***}	2.0
	04:00-04:05 HOUR	45.9 ^{1/}	43.9 ^{***}	44.5 ^{1/2}	42.4 ^{***}	2.1
	04:05-04:10 HOUR	45.5 ^{1/}	43.9 ^{***}	43.4 ^{1/2}	42.4 ^{***}	1.0
	04:10-04:15 HOUR	44.6 ^{1/}	43.9 ^{***}	39.4 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}
	04:15-04:20 HOUR	44.8 ^{1/}	43.5 ^{***}	41.9 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}
	04:20-04:25 HOUR	44.2 ^{1/}	43.5 ^{***}	38.5 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}
	04:25-04:30 HOUR	45.7 ^{1/}	43.5 ^{***}	44.7 ^{1/2}	42.4 ^{***}	2.3
	04:30-04:35 HOUR	44.0 ^{1/}	43.2 ^{***}	38.7 ^{1/2}	41.7 ^{***}	<0.8 ^{1/2}
	04:35-04:40 HOUR	45.4 ^{1/}	43.2 ^{***}	44.4 ^{1/2}	41.7 ^{***}	2.7
04:40-04:45 HOUR	44.7 ^{1/}	43.2 ^{***}	42.3 ^{1/2}	41.7 ^{***}	<0.8 ^{1/2}	
04:45-04:50 HOUR	44.8 ^{1/}	43.6 ^{***}	41.6 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}	
04:50-04:55 HOUR	44.5 ^{1/}	43.6 ^{***}	40.3 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}	
05:00-05:05 HOUR	44.6 ^{1/}	43.6 ^{***}	40.7 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}	
05:05-05:10 HOUR	44.8 ^{1/}	44.0 ^{***}	40.3 ^{1/2}	42.3 ^{***}	0.8	
05:10-05:15 HOUR	45.5 ^{1/}	44.0 ^{***}	43.1 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}	
05:15-05:20 HOUR	45.1 ^{1/}	44.0 ^{***}	41.6 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}	
05:20-05:25 HOUR	44.7 ^{1/}	43.7 ^{***}	40.8 ^{1/2}	42.1 ^{***}	<0.8 ^{1/2}	
05:25-05:30 HOUR	44.7 ^{1/}	43.7 ^{***}	40.8 ^{1/2}	42.1 ^{***}	<0.8 ^{1/2}	
05:30-05:35 HOUR	45.3 ^{1/}	43.8 ^{***}	42.8 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}	
05:35-05:40 HOUR	44.3 ^{1/}	43.8 ^{***}	37.1 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}	
05:40-05:45 HOUR	45.3 ^{1/}	43.8 ^{***}	43.0 ^{1/2}	42.4 ^{***}	<0.8 ^{1/2}	
05:45-05:50 HOUR	44.4 ^{1/}	43.5 ^{***}	40.1 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}	
05:50-05:55 HOUR	44.8 ^{1/}	43.5 ^{***}	41.9 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}	
05:55-06:00 HOUR	45.4 ^{1/}	43.5 ^{***}	43.9 ^{1/2}	42.3 ^{***}	1.6	
DAY TIME ^{1/}						
	06:00-07:00 HOUR	44.8 ^{1/}	43.4 ^{***}	39.1 ^{1/2}	42.3 ^{***}	<0.8 ^{1/2}
	07:00-08:00 HOUR	48.6 ^{1/}	43.6 ^{***}	47.0 ^{1/2}	42.2 ^{***}	4.8
	08:00-09:00 HOUR	62.3 ^{1/}	56.6 ^{***}	60.9 ^{1/2}	55.5 ^{***}	5.4
	09:00-10:00 HOUR	63.1 ^{1/}	57.0 ^{***}	61.9 ^{1/2}	55.3 ^{***}	5.6
10:00-11:00 HOUR	57.1 ^{1/}	51.5 ^{***}	55.7 ^{1/2}	50.3 ^{***}	6.4	

REMARK :

- 1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS $L_{Aeq,1\text{ hour}}$
- 2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS $L_{Aeq,5\text{ minutes}}$
- 3/ THERE IS NO IMPACT CAUSE ANNOYANCE SOUND LEVEL
- ** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 11 TIMES MEASURING, (55 MINUTES MEASURING DURING 06:00 TO 22:00 HOUR) AND RESIDUAL SOUND LEVEL ($L_{Aeq,5\text{ minutes}}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
- *** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 3 TIMES MEASURING, (15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR) AND RESIDUAL SOUND LEVEL ($L_{Aeq,5\text{ minutes}}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.
- **** ISO 1996-1 : 2016
- ***** THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 29 (B.E. 2550) REGARDING NOISE LEVEL STANDARDS, DATED JUNE 29, B.E. 2550 (2007).
- ***** THE ANNOUNCEMENT FROM THE POLLUTION CONTROL COMMITTEE TITLED "METHODS FOR MEASURING BASELINE NOISE LEVELS, NOISE LEVELS DURING NON-INTERFERENCE, MEASUREMENT AND CALCULATION OF NOISE LEVELS DURING INTERFERENCE, CALCULATION OF NOISE INTERFERENCE LEVELS, AND NOISE MEASUREMENT RECORD FORMS, DATED SEPTEMBER 21, B.E. 2555 (2012).
- ***** THE MINISTRY OF INDUSTRY ANNOUNCEMENT (B.E. 2548) REGARDING "DETERMINATION OF NOISE LEVELS FOR INDUSTRIAL OPERATIONS AND NOISE LEVELS GENERATED BY FACTORY ACTIVITIES," DATED DECEMBER 27, B.E. 2548 (2005).
- ***** THE DEPARTMENT OF INDUSTRIAL WORKS ANNOUNCEMENT REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVELS, AND MAXIMUM NOISE LEVELS GENERATED BY INDUSTRIAL OPERATIONS," DATED DECEMBER 20, B.E. 2553 (2010).



ANALYSIS REPORT

โครงการติดตั้ง : โรงงานอาหารแปรรูปอาหารทะเลและอาหารทะเลแช่แข็ง โรงงานอาหารทะเลแช่แข็ง
CLUBHOUSE และ โรงงานผลิตน้ำตาลแอลกอฮอล์และเครื่องดื่มแอลกอฮอล์ (ระยอง)

CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED

ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900

CONTACT INFORMATION : TEL: 063 997 9715 e-mail : jae@unitedanalyst.com

MEASURING SOURCE : AMBIENT (NOISE)

MEASURING TYPE : AMBIENT (NOISE)

MEASURING DATE : MAY 13-14, 2025

MEASURING TIME : *

MEASURING METHOD : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MR DANUPORN KONGSRI

RECEIVED DATE : MAY 13-14, 2025

ANALYTICAL DATE : MAY 13-14, 2025

ISSUE DATE : MAY 22, 2025

REPORT NO. : 2025-U045101

WORK NO. : 2025-00588

ANALYSIS NO. : T25AK559-0003

TIME*	RESULT dB(A)			
	ตามข้อกำหนดมาตรฐานที่กระทรวงฯ กำหนด			
	MAY 13 - 14, 2025			
	T25AK559-0003			
	$L_{Aeq,1\text{ hour}}$	$L_{Amax,1\text{ hour}}$	$L_{Aeq,1\text{ hour}}$	$L_{Amax,1\text{ hour}}$
11:00-12:00 HOUR	55.7	73.8	51.4	51.4
12:00-13:00 HOUR	56.0	71.7	53.3	53.3
13:00-14:00 HOUR	59.9	77.5	56.6	56.6
14:00-15:00 HOUR	59.2	75.8	56.1	56.1
15:00-16:00 HOUR	53.5	71.2	50.6	50.6
16:00-17:00 HOUR	51.5	68.7	48.6	48.6
17:00-18:00 HOUR	49.7	65.1	47.3	47.3
18:00-19:00 HOUR	55.6	76.8	50.7	50.7
19:00-20:00 HOUR	57.8	76.8	50.8	50.8
20:00-21:00 HOUR	53.1	69.2	50.5	50.5
21:00-22:00 HOUR	50.2	66.2	47.6	47.6
22:00-23:00 HOUR	49.8	65.6	47.3	47.3
23:00-00:00 HOUR	49.6	66.4	46.8	46.8
00:00-01:00 HOUR	48.5	63.7	45.8	45.8
01:00-02:00 HOUR	48.6	65.5	46.2	46.2
02:00-03:00 HOUR	45.1	61.8	42.4	42.4
03:00-04:00 HOUR	45.1	60.1	42.5	42.5
04:00-05:00 HOUR	44.9	59.6	42.3	42.3
05:00-06:00 HOUR	44.9	60.3	42.6	42.6
06:00-07:00 HOUR	44.8	60.5	42.4	42.4
07:00-08:00 HOUR	48.6	62.4	45.9	45.9
08:00-09:00 HOUR	62.3	81.5	59.6	59.6
09:00-10:00 HOUR	63.1	79.9	59.5	59.5
10:00-11:00 HOUR	57.1	75.0	54.0	54.0
$L_{Aeq,24\text{ hours}}$	55.8			

REMARK: ** ISO 1996-1:2016

** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2548 (1997) (MARCH 12, 1977)

** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED JANUARY 12, B.E. 2548 (2005)

** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาพื้นที่อยู่อาศัยบริเวณถนนสุขุมวิท กรุงเทพมหานคร เขตวัฒนา
CUSTOMER NAME : CLUBHOUSE และ งานปรับปรุงโครงสร้างอาคาร (ระบบราง)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
MEASURING PLACE : ภายในพื้นที่อาคารตัวกลางทางหน้าอาคาร C
MEASURING TYPE : AMBIENT (VIBRATION)
MEASURING DATE : MAY 13-14, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : VIBRATION METER
MEASURED BY : MR DANUPORN KONGSRI
RECEIVED DATE : MAY 13-14, 2025
ANALYTICAL DATE : MAY 13-14, 2025
ISSUE DATE : MAY 22, 2025
REPORT NO. : 2025-U045102
WORK NO. : 2025-000588
ANALYSIS NO. : TZ5AK539-0004

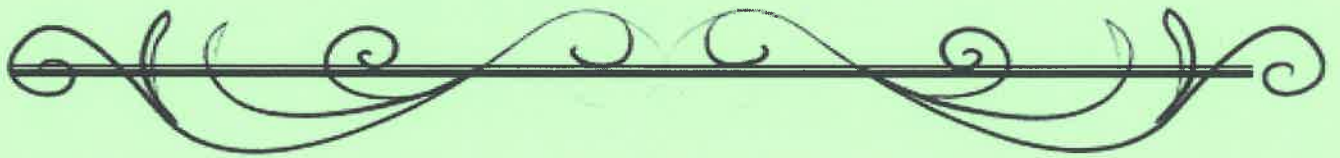
DATE	TIME *	ผลการทดสอบการสั่นไหวทางอาคาร C					
		TRANSVERSE			VERTICAL		
		X-AXIS (LONGITUDINAL)	Y-AXIS (TRANSVERSE)	Z-AXIS (VERTICAL)	VELOCITY (mm/s)	FREQUENCY (Hz)	FREQUENCY (Hz)
MAY 13, 2025 TZ5AK539-0004	12:54-20 HOUR	0.163	6.0	0.158	3.5	0.323	12.7
	13:18-42 HOUR	0.260	4.0	0.087	7.0	0.370	9.2
	15:39-22 HOUR	0.134	8.3	0.055	4.8	0.394	7.8
	15:41-53 HOUR	0.134	4.0	0.016	3.1	0.402	6.2
	19:45-56 HOUR	0.252	5.2	0.016	6.2	0.349	8.3
MAY 14, 2025 TZ5AK539-0004		<0.200 2/	NOT APPLICABLE 1/	<0.200 2/	NOT APPLICABLE 1/	<0.200 2/	NOT APPLICABLE 1/

REMARK :
REFERENCE MEASUREMENT METHOD
- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45669-1:2010
- DIN 4150-3:1999
1/ NONEXISTENT ZC FREQUENCY
2/ THE VELOCITY ARE LESS THAN TRIGGER LEVEL.



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รายงานผลการติดตามตรวจสอบ คุณภาพอากาศ เสี่ยง
และความสั่นสะเทือน ในบรรยากาศโดยทั่วไป
เดือนมิถุนายน พ.ศ. 2568



ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาพื้นที่อุตสาหกรรมและที่อยู่อาศัยในเขตกรุงเทพมหานคร เขตวังจันทน์อุตสาหกรรม
CUSTOMER NAME : CLUBHOUSE และ งานพัฒนาที่ดินในเขตกรุงเทพมหานคร (บริษัทเอกชน)
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : ghe.encony@encony.com
SAMPLING SOURCE : สถานีสิ่งแวดล้อมในเขตกรุงเทพมหานคร C
SAMPLE TYPE : AMBIENT
SAMPLING DATE : JUNE 17, 2025
SAMPLING TIME : JUNE 17-20, 2025
SAMPLING BY : MR. DANUPORN KONGSRI
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : JUNE 17, 2025
ANALYTICAL DATE : JUNE 17-20, 2025
ISSUE DATE : JUNE 26, 2025
REPORT NO. : 2025-U05745
WORK NO. : 2025-000588
ANALYSIS NO. : T25AN246-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.026 T25AN246-0001
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.012
SAMPLE CONDITION			COMPLETE

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

• : SAMPLING FROM 11:30 HOUR ON JUNE 12, 2025 TO 11:30 HOUR ON JUNE 13, 2025.

- End of Analysis Report -

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาพื้นที่อุตสาหกรรมและที่อยู่อาศัยในเขตกรุงเทพมหานคร เขตวังจันทน์อุตสาหกรรม
CUSTOMER NAME : CLUBHOUSE และ งานพัฒนาที่ดินในเขตกรุงเทพมหานคร (บริษัทเอกชน)
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : ghe.encony@encony.com
SAMPLING SOURCE : สถานีสิ่งแวดล้อมในเขตกรุงเทพมหานคร
SAMPLE TYPE : AMBIENT
SAMPLING DATE : JUNE 17, 2025
SAMPLING TIME : JUNE 17-20, 2025
SAMPLING BY : MR. DANUPORN KONGSRI
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : JUNE 17, 2025
ANALYTICAL DATE : JUNE 17-20, 2025
ISSUE DATE : JUNE 26, 2025
REPORT NO. : 2025-U05748
WORK NO. : 2025-000588
ANALYSIS NO. : T25AN246-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.030 T25AN246-0002
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.	0.018
SAMPLE CONDITION			COMPLETE

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

REMARK

TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

• : SAMPLING FROM 11:00 HOUR ON JUNE 12, 2025 TO 11:00 HOUR ON JUNE 13, 2025.

LABORATORY SUPERVISOR

- End of Analysis Report -

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินบริเวณถนนสุขุมวิทและถนนสุขุมวิทซอย 10 แขวงคลองเตย เขตวัฒนา กรุงเทพมหานคร
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gshe.encomy@encomy.com
MEASURING PLACE : ภายในพื้นที่ก่อสร้างบริเวณทางเข้าอาคาร C
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JUNE 12-13, 2025
MEASURING TIME : *
MEASURING METHOD : NON-DISPERSIVE INFRARED DETECTION
MEASURED BY : MR DANUPORN KONGSRI

RECEIVED DATE : JUNE 12-13, 2025
ANALYTICAL DATE : JUNE 12-13, 2025
ISSUE DATE : JUNE 23, 2025
REPORT NO. : 2025-U056400
WORK NO. : 2025-000588
ANALYSIS NO. : T25AN246-0001

TIME *	RESULT (ppm)	
	CARBON MONOXIDE	
	ภายในพื้นที่ก่อสร้างบริเวณทางเข้าอาคาร C	
	JUNE 12 - 13, 2025	
	T25AN246-0001	
12:00-13:00 HOUR	0.72	0.72
13:00-14:00 HOUR	0.64	0.64
14:00-15:00 HOUR	0.57	0.57
15:00-16:00 HOUR	0.52	0.52
16:00-17:00 HOUR	0.48	0.48
17:00-18:00 HOUR	0.54	0.54
18:00-19:00 HOUR	0.57	0.57
19:00-20:00 HOUR	0.66	0.66
20:00-21:00 HOUR	0.70	0.70
21:00-22:00 HOUR	0.72	0.72
22:00-23:00 HOUR	0.71	0.71
23:00-00:00 HOUR	0.72	0.72
00:00-01:00 HOUR	0.70	0.70
01:00-02:00 HOUR	0.65	0.65
02:00-03:00 HOUR	0.60	0.60
03:00-04:00 HOUR	0.60	0.60
04:00-05:00 HOUR	0.62	0.62
05:00-06:00 HOUR	0.61	0.61
06:00-07:00 HOUR	0.63	0.63
07:00-08:00 HOUR	0.69	0.69
08:00-09:00 HOUR	0.73	0.73
09:00-10:00 HOUR	0.80	0.80
10:00-11:00 HOUR	0.80	0.80
11:00-12:00 HOUR	0.84	0.84

LABORATORY SUPERVISOR

ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาที่ดินบริเวณถนนสุขุมวิทและถนนสุขุมวิทซอย 10 แขวงคลองเตย เขตวัฒนา กรุงเทพมหานคร
CUSTOMER NAME : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gshe.encomy@encomy.com
MEASURING PLACE : ภายในพื้นที่ก่อสร้างบริเวณทางเข้าอาคาร C
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : JUNE 12-13, 2025
MEASURING TIME : *
MEASURING METHOD : CHEMILUMINESCENCE
MEASURED BY : MR DANUPORN KONGSRI

RECEIVED DATE : JUNE 12-13, 2025
ANALYTICAL DATE : JUNE 12-13, 2025
ISSUE DATE : JUNE 23, 2025
REPORT NO. : 2025-U056401
WORK NO. : 2025-000588
ANALYSIS NO. : T25AN246-0001

TIME *	RESULT (ppm)	
	NITROGEN DIOXIDE	
	ภายในพื้นที่ก่อสร้างบริเวณทางเข้าอาคาร C	
	JUNE 12 - 13, 2025	
	T25AN246-0001	
12:00-13:00 HOUR	0.0114	0.0114
13:00-14:00 HOUR	0.0106	0.0106
14:00-15:00 HOUR	0.0090	0.0090
15:00-16:00 HOUR	0.0085	0.0085
16:00-17:00 HOUR	0.0085	0.0085
17:00-18:00 HOUR	0.0079	0.0079
18:00-19:00 HOUR	0.0079	0.0079
19:00-20:00 HOUR	0.0069	0.0069
20:00-21:00 HOUR	0.0078	0.0078
21:00-22:00 HOUR	0.0085	0.0085
22:00-23:00 HOUR	0.0092	0.0092
23:00-00:00 HOUR	0.0099	0.0099
00:00-01:00 HOUR	0.0100	0.0100
01:00-02:00 HOUR	0.0102	0.0102
02:00-03:00 HOUR	0.0094	0.0094
03:00-04:00 HOUR	0.0085	0.0085
04:00-05:00 HOUR	0.0084	0.0084
05:00-06:00 HOUR	0.0076	0.0076
06:00-07:00 HOUR	0.0077	0.0077
07:00-08:00 HOUR	0.0076	0.0076
08:00-09:00 HOUR	0.0084	0.0084
09:00-10:00 HOUR	0.0094	0.0094
10:00-11:00 HOUR	0.0110	0.0110
11:00-12:00 HOUR	0.0110	0.0110

LABORATORY SUPERVISOR

ANALYSIS REPORT

PROJECT NAME	: โครงการคอนโด สถานะงานอาคารพาณิชย์ตามากมายทั้งแบบพาณิชย์และที่พักอาศัยพร้อมทั้งพื้นที่จอดรถ
CUSTOMER NAME	: CLUBHOUSE และ ร้านค้าปลีกในโครงการ
ADDRESS	: ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION	: 55/1 VIBHAVADI-RANGSI ROAD CHATUCHAK BANGKOK 10900
MEASURING PLACE	: TEL : 063 997 9715 e-mail : gae.encony@encony.com
MEASURING TYPE	: แร่น้ำหนักมวลรวมแห้งของน้ำยา C
MEASURING DATE	: AMBIENT (AIR)
MEASURING TIME	: JUNE 12-13, 2025
MEASURING METHOD	: *
MEASURED BY	: UV FLUORESCENCE
	: MR DANUPORN KONGSRI

TIME *	RESULT (ppm)
	SULPHUR DIOXIDE
	การตรวจวัดค่าความเข้มข้นของก๊าซซัลเฟอร์ไดออกไซด์ C
	JUNE 12 - 13, 2025
	TZ5AN346-0001
12:00-13:00 HOUR	0.0028
13:00-14:00 HOUR	0.0020
14:00-15:00 HOUR	0.0024
15:00-16:00 HOUR	0.0021
16:00-17:00 HOUR	0.0018
17:00-18:00 HOUR	0.0018
18:00-19:00 HOUR	0.0021
19:00-20:00 HOUR	0.0020
20:00-21:00 HOUR	0.0027
21:00-22:00 HOUR	0.0025
22:00-23:00 HOUR	0.0032
23:00-00:00 HOUR	0.0028
00:00-01:00 HOUR	0.0033
01:00-02:00 HOUR	0.0034
02:00-03:00 HOUR	0.0028
03:00-04:00 HOUR	0.0025
04:00-05:00 HOUR	0.0033
05:00-06:00 HOUR	0.0039
06:00-07:00 HOUR	0.0031
07:00-08:00 HOUR	0.0041
08:00-09:00 HOUR	0.0042
09:00-10:00 HOUR	0.0039
10:00-11:00 HOUR	0.0034
11:00-12:00 HOUR	0.0036
AVERAGE 24 HOUR	0.0029


ISI
 ISO 9001
 Quality Management
 ISO 14001
 Environmental Management
 ISO 45001
 Health and Safety
 Management

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- End of Analysis Report -



ANALYSIS REPORT

PROJECT NAME : โครงการพัฒนาโครงการพัฒนาระบบการขนส่งสินค้าทางบก (ระบบขนส่งสินค้าทางบก)
CUSTOMER NAME : CLUBHOUSE และ บริษัทพัฒนาอสังหาริมทรัพย์ (ระบบขนส่งสินค้าทางบก)
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : qti@encomy.com
MEASURING PLACE : อาคารที่พักอาศัยบริเวณพื้นที่จอดรถ C
MEASURING TYPE : AMBIENT (ANNOYANCE NOISE)
MEASURING DATE : JUNE 12-13, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER AND CALCULATION****
MEASURED BY : MR DANUPORN KONGSRI
RECEIVED DATE : JUNE 12-13, 2025
ANALYTICAL DATE : JUNE 12-13, 2025
ISSUE DATE : JUNE 23, 2025
REPORT NO. : 2025-U056403
WORK NO. : 2025-000588
ANALYSIS NO. : T25ANZ46-0003

DATE	TIME#	RESULT (dB(A))					ANNOUNCEMENT
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL	
JUNE 12, 2025 T75AND46-0003	DAY TIME 1/						
	12:00-13:00 HOUR	53.6 1/	50.5 1/	50.7 1/	49.0 1/	1.7	
	13:00-14:00 HOUR	51.0 1/	48.4 1/	47.5 1/	47.1 1/	<0.8 1/	
	14:00-15:00 HOUR	52.4 1/	49.0 1/	49.7 1/	47.5 1/	2.2	
	15:00-16:00 HOUR	50.7 1/	47.8 1/	47.6 1/	46.5 1/	1.1	
	16:00-17:00 HOUR	51.5 1/	48.4 1/	49.3 1/	46.9 1/	2.4	
	17:00-18:00 HOUR	50.2 1/	47.4 1/	47.0 1/	46.1 1/	0.9	
	18:00-19:00 HOUR	53.4 1/	49.3 1/	51.3 1/	48.0 1/	3.3	
	19:00-20:00 HOUR	53.8 1/	50.1 1/	51.4 1/	48.5 1/	2.9	
	20:00-21:00 HOUR	49.8 1/	47.2 1/	46.3 1/	46.1 1/	<0.8 1/	
	21:00-22:00 HOUR	48.6 1/	46.7 1/	44.1 1/	45.3 1/	<0.8 1/	
	NIGHT TIME 2/						
	22:00-22:05 HOUR	48.6 1/	47.1 1/	46.3 1/	45.5 1/	0.8	
	22:05-22:10 HOUR	48.2 1/	47.1 1/	44.8 1/	45.5 1/	<0.8 1/	
	22:10-22:15 HOUR	48.0 1/	47.1 1/	43.7 1/	45.5 1/	<0.8 1/	
	22:15-22:20 HOUR	49.1 1/	48.4 1/	43.5 1/	46.6 1/	<0.8 1/	
	22:20-22:25 HOUR	49.2 1/	48.4 1/	46.9 1/	46.6 1/	<0.8 1/	
	22:25-22:30 HOUR	49.5 1/	48.4 1/	46.0 1/	46.6 1/	<0.8 1/	
	22:30-22:35 HOUR	49.8 1/	48.5 1/	46.9 1/	46.8 1/	<0.8 1/	
	22:35-22:40 HOUR	49.5 1/	48.5 1/	45.7 1/	46.8 1/	<0.8 1/	
	22:40-22:45 HOUR	49.4 1/	48.5 1/	45.3 1/	46.8 1/	<0.8 1/	
22:45-22:50 HOUR	50.5 1/	48.3 1/	49.6 1/	47.1 1/	2.5		
22:50-22:55 HOUR	49.6 1/	48.3 1/	46.7 1/	47.1 1/	<0.8 1/		
22:55-23:00 HOUR	48.8 1/	48.3 1/	42.1 1/	47.1 1/	<0.8 1/		
23:00-23:05 HOUR	48.2 1/	46.8 1/	45.6 1/	45.7 1/	<0.8 1/		
23:05-23:10 HOUR	48.2 1/	46.8 1/	45.6 1/	45.7 1/	<0.8 1/		
23:10-23:15 HOUR	50.0 1/	46.8 1/	50.2 1/	45.7 1/	4.5		
23:15-23:20 HOUR	48.6 1/	47.7 1/	44.0 1/	46.1 1/	<0.8 1/		
23:20-23:25 HOUR	49.1 1/	47.7 1/	46.5 1/	46.1 1/	<0.8 1/		
23:25-23:30 HOUR	49.3 1/	47.7 1/	46.4 1/	46.1 1/	<0.8 1/		
23:30-23:35 HOUR	49.3 1/	48.2 1/	45.9 1/	46.6 1/	<0.8 1/		

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
JUNE 12, 2025 T25AN246-0003	NIGHT TIME 2/					
	23:35-23:40 HOUR	48.3 ^{2/}	48.2 ^{2/}	45.8 ^{2/}	46.6 ^{2/}	<0.8 ^{2/}
	23:40-23:45 HOUR	48.5 ^{2/}	48.2 ^{2/}	46.5 ^{2/}	46.6 ^{2/}	<0.8 ^{2/}
	23:45-23:50 HOUR	50.5 ^{2/}	49.5 ^{2/}	46.6 ^{2/}	48.0 ^{2/}	<0.8 ^{2/}
	23:50-23:55 HOUR	50.3 ^{2/}	49.5 ^{2/}	45.6 ^{2/}	48.0 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	00:00-00:05 HOUR	49.5 ^{2/}	47.9 ^{2/}	47.4 ^{2/}	46.4 ^{2/}	1.0
	00:05-00:10 HOUR	50.2 ^{2/}	47.9 ^{2/}	48.2 ^{2/}	46.4 ^{2/}	2.8
	00:10-00:15 HOUR	48.3 ^{2/}	47.9 ^{2/}	46.5 ^{2/}	46.4 ^{2/}	<0.8 ^{2/}
	00:15-00:20 HOUR	49.7 ^{2/}	49.2 ^{2/}	43.0 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	00:20-00:25 HOUR	50.7 ^{2/}	49.2 ^{2/}	48.1 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
	00:25-00:30 HOUR	50.3 ^{2/}	49.2 ^{2/}	46.8 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
	00:30-00:35 HOUR	49.3 ^{2/}	47.7 ^{2/}	47.1 ^{2/}	46.1 ^{2/}	1.0
	00:35-00:40 HOUR	48.8 ^{2/}	47.7 ^{2/}	45.3 ^{2/}	46.1 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	00:40-00:45 HOUR	47.7 ^{2/}	47.7 ^{2/}	<0.8 ^{2/}	46.1 ^{2/}	<0.8 ^{2/}
	00:45-00:50 HOUR	48.1 ^{2/}	47.9 ^{2/}	36.4 ^{2/}	46.7 ^{2/}	<0.8 ^{2/}
	00:50-00:55 HOUR	50.8 ^{2/}	47.9 ^{2/}	50.7 ^{2/}	46.7 ^{2/}	4.0
	00:55-01:00 HOUR	49.3 ^{2/}	47.9 ^{2/}	46.8 ^{2/}	46.7 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	01:00-01:05 HOUR	51.1 ^{2/}	49.0 ^{2/}	50.1 ^{2/}	47.3 ^{2/}	2.8
	01:05-01:10 HOUR	49.0 ^{2/}	49.0 ^{2/}	47.8 ^{2/}	47.3 ^{2/}	<0.8 ^{2/}
	01:10-01:15 HOUR	49.9 ^{2/}	49.0 ^{2/}	45.9 ^{2/}	47.3 ^{2/}	<0.8 ^{2/}
	01:15-01:20 HOUR	50.6 ^{2/}	49.4 ^{2/}	47.5 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	01:20-01:25 HOUR	50.8 ^{2/}	49.4 ^{2/}	48.2 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
	01:25-01:30 HOUR	48.1 ^{2/}	49.4 ^{2/}	<0.8 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
	01:30-01:35 HOUR	48.1 ^{2/}	46.8 ^{2/}	45.1 ^{2/}	45.5 ^{2/}	<0.8 ^{2/}
	01:35-01:40 HOUR	51.0 ^{2/}	46.8 ^{2/}	51.9 ^{2/}	45.5 ^{2/}	6.4
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	01:40-01:45 HOUR	48.1 ^{2/}	46.8 ^{2/}	45.2 ^{2/}	45.5 ^{2/}	<0.8 ^{2/}
	01:45-01:50 HOUR	50.7 ^{2/}	49.0 ^{2/}	48.6 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
	01:50-01:55 HOUR	50.0 ^{2/}	49.0 ^{2/}	46.1 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
	01:55-02:00 HOUR	50.7 ^{2/}	49.0 ^{2/}	48.8 ^{2/}	47.9 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	02:00-02:05 HOUR	50.7 ^{2/}	49.9 ^{2/}	45.7 ^{2/}	48.7 ^{2/}	0.9
	02:05-02:10 HOUR	51.2 ^{2/}	49.9 ^{2/}	48.3 ^{2/}	48.7 ^{2/}	<0.8 ^{2/}
	02:10-02:15 HOUR	51.2 ^{2/}	49.9 ^{2/}	48.4 ^{2/}	48.7 ^{2/}	<0.8 ^{2/}
	02:15-02:20 HOUR	48.9 ^{2/}	48.7 ^{2/}	46.6 ^{2/}	47.6 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	02:20-02:25 HOUR	50.9 ^{2/}	48.7 ^{2/}	49.8 ^{2/}	47.6 ^{2/}	2.2
	02:25-02:30 HOUR	50.3 ^{2/}	48.7 ^{2/}	48.2 ^{2/}	47.6 ^{2/}	<0.8 ^{2/}
	02:30-02:35 HOUR	50.1 ^{2/}	48.8 ^{2/}	47.4 ^{2/}	47.7 ^{2/}	<0.8 ^{2/}
	02:35-02:40 HOUR	50.4 ^{2/}	48.8 ^{2/}	48.3 ^{2/}	47.7 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	02:40-02:45 HOUR	50.3 ^{2/}	48.8 ^{2/}	48.1 ^{2/}	47.7 ^{2/}	<0.8 ^{2/}
	02:45-02:50 HOUR	50.9 ^{2/}	49.1 ^{2/}	49.0 ^{2/}	47.4 ^{2/}	1.6
	02:50-02:55 HOUR	50.4 ^{2/}	49.1 ^{2/}	47.6 ^{2/}	47.4 ^{2/}	<0.8 ^{2/}
	02:55-03:00 HOUR	49.5 ^{2/}	49.1 ^{2/}	41.1 ^{2/}	47.4 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	03:00-03:05 HOUR	46.6 ^{2/}	44.4 ^{2/}	45.6 ^{2/}	43.2 ^{2/}	2.4
	03:05-03:10 HOUR	45.5 ^{2/}	44.4 ^{2/}	41.8 ^{2/}	43.2 ^{2/}	<0.8 ^{2/}

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DATE	TIME*	RESULT (dB(A))				
		SPECIFIC SOUND LEVEL	RESIDUAL SOUND LEVEL	RATING LEVEL	BACKGROUND SOUND LEVEL	ANNOYANCE SOUND LEVEL
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	03:10-03:15 HOUR	45.6 ^{2/}	44.4 ^{2/}	42.5 ^{2/}	43.2 ^{2/}	<0.8 ^{2/}
	03:15-03:20 HOUR	46.3 ^{2/}	45.5 ^{2/}	41.6 ^{2/}	43.7 ^{2/}	<0.8 ^{2/}
	03:20-03:25 HOUR	46.4 ^{2/}	45.5 ^{2/}	42.1 ^{2/}	43.7 ^{2/}	<0.8 ^{2/}
	03:25-03:30 HOUR	44.9 ^{2/}	45.5 ^{2/}	<0.8 ^{2/}	43.7 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	03:30-03:35 HOUR	44.9 ^{2/}	41.8 ^{2/}	45.0 ^{2/}	40.6 ^{2/}	4.4
	03:35-03:40 HOUR	43.1 ^{2/}	41.8 ^{2/}	40.2 ^{2/}	40.6 ^{2/}	<0.8 ^{2/}
	03:40-03:45 HOUR	42.7 ^{2/}	41.8 ^{2/}	38.5 ^{2/}	40.6 ^{2/}	<0.8 ^{2/}
	03:45-03:50 HOUR	44.9 ^{2/}	43.5 ^{2/}	42.3 ^{2/}	42.1 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	03:50-03:55 HOUR	44.6 ^{2/}	43.5 ^{2/}	41.1 ^{2/}	42.1 ^{2/}	<0.8 ^{2/}
	03:55-04:00 HOUR	46.5 ^{2/}	43.5 ^{2/}	46.4 ^{2/}	42.1 ^{2/}	4.3
	04:00-04:05 HOUR	45.9 ^{2/}	44.5 ^{2/}	43.4 ^{2/}	43.2 ^{2/}	<0.8 ^{2/}
	04:05-04:10 HOUR	46.1 ^{2/}	44.5 ^{2/}	44.0 ^{2/}	43.2 ^{2/}	0.8
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	04:10-04:15 HOUR	47.0 ^{2/}	44.5 ^{2/}	46.5 ^{2/}	43.2 ^{2/}	3.3
	04:15-04:20 HOUR	46.8 ^{2/}	45.2 ^{2/}	44.5 ^{2/}	44.0 ^{2/}	<0.8 ^{2/}
	04:20-04:25 HOUR	46.7 ^{2/}	45.2 ^{2/}	44.4 ^{2/}	44.0 ^{2/}	<0.8 ^{2/}
	04:25-04:30 HOUR	46.5 ^{2/}	45.2 ^{2/}	43.4 ^{2/}	44.0 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	04:30-04:35 HOUR	46.3 ^{2/}	45.1 ^{2/}	43.1 ^{2/}	43.9 ^{2/}	<0.8 ^{2/}
	04:35-04:40 HOUR	45.5 ^{2/}	45.1 ^{2/}	38.0 ^{2/}	43.9 ^{2/}	<0.8 ^{2/}
	04:40-04:45 HOUR	46.3 ^{2/}	45.1 ^{2/}	43.3 ^{2/}	43.9 ^{2/}	<0.8 ^{2/}
	04:45-04:50 HOUR	45.8 ^{2/}	44.7 ^{2/}	42.3 ^{2/}	43.5 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	04:50-04:55 HOUR	45.6 ^{2/}	44.7 ^{2/}	41.4 ^{2/}	43.5 ^{2/}	<0.8 ^{2/}
	04:55-05:00 HOUR	46.5 ^{2/}	44.7 ^{2/}	41.7 ^{2/}	43.5 ^{2/}	1.2
	05:00-05:05 HOUR	47.3 ^{2/}	45.8 ^{2/}	44.9 ^{2/}	44.3 ^{2/}	<0.8 ^{2/}
	05:05-05:10 HOUR	47.1 ^{2/}	45.8 ^{2/}	44.3 ^{2/}	44.3 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	05:10-05:15 HOUR	47.6 ^{2/}	45.8 ^{2/}	45.8 ^{2/}	44.3 ^{2/}	1.5
	05:15-05:20 HOUR	47.2 ^{2/}	46.1 ^{2/}	43.7 ^{2/}	44.5 ^{2/}	<0.8 ^{2/}
	05:20-05:25 HOUR	47.8 ^{2/}	46.1 ^{2/}	45.8 ^{2/}	44.5 ^{2/}	1.3
	05:25-05:30 HOUR	48.1 ^{2/}	46.1 ^{2/}	46.8 ^{2/}	44.5 ^{2/}	2.3
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	05:30-05:35 HOUR	47.8 ^{2/}	46.3 ^{2/}	45.4 ^{2/}	45.1 ^{2/}	<0.8 ^{2/}
	05:35-05:40 HOUR	47.5 ^{2/}	46.3 ^{2/}	44.4 ^{2/}	45.1 ^{2/}	<0.8 ^{2/}
	05:40-05:45 HOUR	47.5 ^{2/}	46.3 ^{2/}	44.5 ^{2/}	45.1 ^{2/}	<0.8 ^{2/}
	05:45-05:50 HOUR	46.4 ^{2/}	44.8 ^{2/}	44.2 ^{2/}	43.6 ^{2/}	<0.8 ^{2/}
JUNE 13, 2025 T25AN246-0003	NIGHT TIME 2/					
	05:50-05:55 HOUR	46.1 ^{2/}	44.8 ^{2/}	43.3 ^{2/}	43.6 ^{2/}	<0.8 ^{2/}
	05:55-06:00 HOUR	46.3 ^{2/}	44.8 ^{2/}	43.8 ^{2/}	43.6 ^{2/}	<0.8 ^{2/}
	DAY TIME 1/					
	06:00-07:00 HOUR	49.4 ^{1/}	47.2 ^{1/}	45.3 ^{1/}	45.4 ^{1/}	<0.8 ^{1/}
JUNE 13, 2025 T25AN246-0003	DAY TIME 1/					
	07:00-08:00 HOUR	54.4 ^{1/}	48.7 ^{1/}	53.1 ^{1/}	47.5 ^{1/}	5.6
	08:00-09:00 HOUR	47.6 ^{1/}	44.7 ^{1/}	44.5 ^{1/}	43.2 ^{1/}	1.3
	09:00-10:00 HOUR	48.9 ^{1/}	44.4 ^{1/}	47.0 ^{1/}	43.2 ^{1/}	3.8
	10:00-11:00 HOUR	47.9 ^{1/}	44.4 ^{1/}	45.3 ^{1/}	43.1 ^{1/}	2.2
JUNE 13, 2025 T25AN246-0003	DAY TIME 1/					
	11:00-12:00 HOUR	49.0 ^{1/}	48.0 ^{1/}	42.1 ^{1/}	45.7 ^{1/}	<0.8 ^{1/}

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NSC-TISI-TIS 17025
TESTING ISO9001

REMARK : 1/ CASE 1 CALCULATION (DURING 06:00 TO 22:00 HOUR) : SPECIFIC SOUND LEVEL CONTINUOUSLY OCCUR AT LEAST 1 HOUR, MEASURING AS $L_{Aeq,1\text{ hour}}$.

2/ CASE 4 CALCULATION (DURING 22:00 TO 06:00 HOUR) : SPECIFIC SOUND LEVEL OCCUR IN RESTFUL AREA OR NIGHT TIME, MEASURING AS $L_{Aeq,5\text{ minutes}}$.

3/ THERE IS NO IMPACT CAUSE ANNOYANCE SOUND LEVEL.

** PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 11 TIMES MEASURING.

AND RESIDUAL SOUND LEVEL ($L_{Aeq,5\text{ minutes}}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

PERCENTILE LEVEL 90 (L_{A90}) IS THE MIDDLE VALUE OF 3 TIMES MEASURING.

(15 MINUTES MEASURING DURING 22:00 TO 06:00 HOUR)

AND RESIDUAL SOUND LEVEL ($L_{Aeq,5\text{ minutes}}$) IS CHOSEN AT THE SAME TIME AS PERCENTILE LEVEL 90 ABOVE.

**** ISO 1996.1 : 2016

**** THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 29 (B.E. 2550) REGARDING NOISE LEVEL STANDARDS, DATED JUNE 29, B.E. 2550 (2007)

**** THE ANNOUNCEMENT FROM THE POLLUTION CONTROL COMMITTEE TITLED "METHODS FOR MEASURING BASELINE NOISE LEVELS, NOISE LEVELS DURING NON-INTERFERENCE, MEASUREMENT AND CALCULATION OF NOISE LEVELS DURING INTERFERENCE, CALCULATION OF NOISE INTERFERENCE LEVELS, AND NOISE MEASUREMENT RECORD FORMS, DATED SEPTEMBER 21, B.E. 2555 (2012).

**** THE MINISTRY OF INDUSTRY ANNOUNCEMENT (B.E. 2548) REGARDING "DETERMINATION OF NOISE LEVELS FOR INDUSTRIAL OPERATIONS AND NOISE LEVELS GENERATED BY FACTORY ACTIVITIES," DATED DECEMBER 27, B.E. 2548 (2005).

**** THE DEPARTMENT OF INDUSTRIAL WORKS ANNOUNCEMENT REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVELS, AND MAXIMUM NOISE LEVELS GENERATED BY INDUSTRIAL OPERATIONS, DATED DECEMBER 20, B.E. 2553 (2010).

PROJECT NAME : โครงการก่อสร้างอาคารพาณิชย์และที่พักอาศัยบริเวณถนนสุขุมวิท แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร
CUSTOMER NAME : CLUBHOUSE และ สวนเบญจกิติ กรุงเทพมหานคร (พระโอรส) : ENERGY COMPLEX COMPANY LIMITED
ADDRESS : 555/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
CONTACT INFORMATION : TEL : 063 997 9715 e-mail : gsh.encomy@encomy.com
MEASURING SOURCE : สถานบันเทิงและร้านอาหารแห่งใหม่ย่านสุขุมวิท C
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : JUNE 12-13, 2025
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MR. DANJORN KONGSRI

RECEIVED DATE : JUNE 12-13, 2025
ANALYTICAL DATE : JUNE 12-13, 2025
ISSUE DATE : JUNE 23, 2025
REPORT NO. : 2025-U056405
WORK NO. : 2025-000588
ANALYSIS NO. : T25AN246-0003

TIME*	RESULT dB(A)		
	ตามข้อกำหนดของกฎหมายมาตรา C		
	JUNE 12 - 13, 2025		
	T25AN246-0003		
	$L_{Aeq,1\text{ hour}}$	$L_{Amax,1\text{ hour}}$	$L_{Aeq,1\text{ hour}}$
12:00-13:00 HOUR	53.6	73.4	49.5
13:00-14:00 HOUR	51.0	68.1	48.1
14:00-15:00 HOUR	52.4	71.4	49.0
15:00-16:00 HOUR	50.7	66.4	48.4
16:00-17:00 HOUR	51.9	71.7	48.2
17:00-18:00 HOUR	50.2	65.8	47.7
18:00-19:00 HOUR	53.4	71.9	48.3
19:00-20:00 HOUR	53.8	71.5	49.0
20:00-21:00 HOUR	49.8	65.8	46.7
21:00-22:00 HOUR	48.6	63.9	45.6
22:00-23:00 HOUR	49.3	63.9	46.9
23:00-00:00 HOUR	49.4	65.0	46.9
00:00-01:00 HOUR	49.6	65.1	47.2
01:00-02:00 HOUR	50.1	66.7	47.7
02:00-03:00 HOUR	50.5	65.6	48.2
03:00-04:00 HOUR	45.3	61.7	42.9
04:00-05:00 HOUR	46.3	61.7	43.9
05:00-06:00 HOUR	47.3	63.2	44.9
06:00-07:00 HOUR	49.4	66.5	46.1
07:00-08:00 HOUR	54.4	74.4	46.5
08:00-09:00 HOUR	47.6	63.9	44.7
09:00-10:00 HOUR	48.9	66.8	44.9
10:00-11:00 HOUR	47.9	65.0	44.8
11:00-12:00 HOUR	49.0	65.9	45.3
$L_{Aeq,24\text{ hours}}$		50.6	

REMARK : ** ISO 1996-1:2016
** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT NO. 15 (B.E. 2540) (1997) (MARCH 12, 1977)
** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540
** NOTIFICATION OF THE MINISTRY OF INDUSTRIAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548
** NOTIFICATION OF THE MINISTRY OF INDUSTRY REGARDING "DETERMINATION OF NOISE LEVELS FOR INDUSTRIAL OPERATIONS AND NOISE LEVELS GENERATED BY FACTORY ACTIVITIES," DATED DECEMBER 27, B.E. 2548 (2005)
** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS REGARDING "METHODS FOR MEASURING NOISE LEVELS 24-HOUR AVERAGE NOISE LEVELS, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS," DATED DECEMBER 20, B.E. 2553 (2010)

(MR. SILA BANJONGAIRUK)
LABORATORY SUPERVISOR

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ANALYSIS REPORT

PROJECT NAME : โครงการก่อสร้างศูนย์การค้าและโรงแรมในเขตเมืองกรุงเทพมหานคร เขตราชเทวี
CUSTOMER NAME : CLUBHOUSE และ ร้านค้าปลีกในเขตเมืองกรุงเทพมหานคร (ระยอง)
ADDRESS : ENERGY COMPLEX COMPANY LIMITED
CONTACT INFORMATION : 553/1 VIBHAVADI-RANGSIT ROAD CHATUCHAK BANGKOK 10900
MEASURING PLACE : TEL : 063 997 9715 e-mail : gshe.encomy@encomy.com
MEASURING TYPE : AMBIENT (VIBRATION)
MEASURING DATE : JUNE 12-13, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : VIBRATION METER
MEASURED BY : MR DANUPORN KONGSRI
RECEIVED DATE : JUNE 12-13, 2025
ANALYTICAL DATE : JUNE 12-13, 2025
ISSUE DATE : JUNE 24, 2025
REPORT NO. : 2025-U056409
WORK NO. : 2025-000588
ANALYSIS NO. : T25AN246-0004

DATE	TIME *	ผลการทดสอบการสั่นไหวตามมาตรฐาน C					
		TRANSVERSE			VERTICAL		
		X-AXIS (LONGITUDINAL)		Y-AXIS (TRANSVERSE)		Z-AXIS (VERTICAL)	
		VELOCITY (mm/s)	FREQUENCY (Hz)	VELOCITY (mm/s)	FREQUENCY (Hz)	VELOCITY (mm/s)	FREQUENCY (Hz)
JUNE 12, 2025 T25AN246-0004	12:07:19 HOUR	0.252	3.6	0.047	6.5	0.236	14.7
	12:12:25 HOUR	0.288	3.8	0.126	7.9	0.260	14.4
	13:16:51 HOUR	0.150	3.4	0.197	3.0	0.394	11.3
	17:06:45 HOUR	0.276	3.0	0.052	4.8	0.071	7.7
	20:31:43 HOUR	0.197	3.5	0.126	3.3	0.307	14.6
JUNE 13, 2025 T25AN246-0004	08:20:27 HOUR	0.008	3.1	0.095	2.2	0.244	8.7
	09:53:16 HOUR	0.299	3.1	0.134	7.3	0.158	14.8
	10:08:16 HOUR	0.276	3.0	0.134	6.1	0.083	8.1
	10:46:40 HOUR	0.173	3.5	0.055	7.4	0.236	12.6

REMARK : REFERENCE MEASUREMENT METHOD
- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45669-1:2010
- DIN 4150-3:1999