

ภาคผนวก ก ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



ผลการติดตามตรวจสอบคุณภาพน้ำเสีย และน้ำทิ้ง
ระหว่างเดือนกรกฎาคม-ธันวาคม พ.ศ. 2567



กลุ่มอาคาร ออลซีซั่น พรีเมียมเพอร์ตี

(M-Thai, CRC, Capital)



ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF M-THAI BUILDING
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : AUGUST 24, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : AUGUST 24, 2024
ANALYTICAL DATE : AUGUST 24-30, 2024
ISSUE DATE : SEPTEMBER 4, 2024
REPORT NO. : 2024-U081248
WORK NO. : 2024-000478
ANALYSIS NO. : T24AT387-0001 - T24AT387-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:15 HOUR 1/ T24AT387-0001	2 10:00 HOUR 1/ T24AT387-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.8 (30°C)	6.9 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	78.9	2.6	≤ 30	2.0
SUSPENDED SOLIDS ^c	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	64.0	ND	≤ 40	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	283	200	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.2	< 0.1	≤ 0.5	0.1
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	47.0	14.4	-	1.5
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	11.0	3.40	-	0.03
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	2.9	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	56.2	17.7	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	8	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:15 HOUR 1/ T24AT387-0001	2 10:00 HOUR 1/ T24AT387-0002		
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	160,000	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR		
SEDIMENT			BROWN	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

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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

RESULT 1 : EQUALIZATION TANK

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

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LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CAPITAL TOWER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : AUGUST 24, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : AUGUST 24, 2024
ANALYTICAL DATE : AUGUST 24-30, 2024
ISSUE DATE : SEPTEMBER 4, 2024
REPORT NO. : 2024-U081250
WORK NO. : 2024-000478
ANALYSIS NO. : T24AT387-0003 - T24AT387-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:35 HOUR 1/ T24AT387-0003	2 10:25 HOUR 1/ T24AT387-0004		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.1 (32°C)	7.2 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	108	2.3	≤ 30	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	136	5.5	≤ 40	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	293	208	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	2.0	< 0.1	≤ 0.5	0.1
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	44.1	11.3	-	1.5
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	11.8	1.10	-	0.03
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	2.8	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	76.4	14.8	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	10	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:35 HOUR 1/ T24AT387-0003	2 10:25 HOUR 1/ T24AT387-0004		
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	54,000	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID BLACK	YELLOW/CLEAR BROWN		

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

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

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

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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

RESULT 1 : EQUALIZATION TANK

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

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[Signature]
LABORATORY SUPERVISOR

ANALYSIS REPORT

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CONTACT INFORMATION : TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CRC TOWER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : AUGUST 24, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : AUGUST 24, 2024
ANALYTICAL DATE : AUGUST 24-30, 2024
ISSUE DATE : SEPTEMBER 4, 2024
REPORT NO. : 2024-U081251
WORK NO. : 2024-000478
ANALYSIS NO. : T24AT387-0005 - T24AT387-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:55 HOUR 1/ T24AT387-0005	2 10:45 HOUR 1/ T24AT387-0006		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.2 (31°C)	7.2 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	195	15.2	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	83.8	5.3	≤ 30	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	402	216	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.2	< 0.1	≤ 0.5	0.1
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	50.0	20.1	-	1.5
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	14.6	5.05	-	0.03
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	3.1	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	61.4	24.6	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	15	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 10:55 HOUR 1/ T24AT387-0005	2 10:45 HOUR 1/ T24AT387-0006		
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	160,000	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID BLACK	YELLOW/CLEAR BROWN		

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

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

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

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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

RESULT 1 : EQUALIZATION TANK

RESULT 2 : EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

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[Signature Box]
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LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 0 2625 1841 e-mail : Kiatisakp@asp.th.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF M-THAI BUILDING
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : DECEMBER 21, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : DECEMBER 21, 2024
ANALYTICAL DATE : DECEMBER 21-29, 2024
ISSUE DATE : JANUARY 6, 2025
REPORT NO. : 2025-U000645
WORK NO. : 2024-000478
ANALYSIS NO. : T24BE029-0001 - T24BE029-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 09:55 HOUR 1/ T24BE029-0001	2 09:50 HOUR 1/ T24BE029-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (27.9°C)	7.4 (28.3°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	71.7	2.4	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	25.4	< 5.0	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	428	281	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	< 0.1	-	0.1	-
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	53.9	14.2	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	13.4	3.03	-	0.03	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	1.6	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	62.1	15.2	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 09:55 HOUR 1/ T24BE029-0001	2 09:50 HOUR 1/ T24BE029-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E)	>160,000	54,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/CLEAR BROWN			

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

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

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

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

RESULT 1 : EQUALIZATION TANK

RESULT 2 : EFFLUENT

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

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 0 2625 1841 e-mail : Kiatisakp@asp.th.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CAPITAL TOWER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : DECEMBER 21, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : DECEMBER 21, 2024
ANALYTICAL DATE : DECEMBER 21-29, 2024
ISSUE DATE : JANUARY 6, 2025
REPORT NO. : 2025-U000646
WORK NO. : 2024-000478
ANALYSIS NO. : T24BE029-0003 - T24BE029-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:10 HOUR 1/ T24BE029-0003	2 10:05 HOUR 1/ T24BE029-0004			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.8 (29.2°C)	7.7 (28.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	41.2	2.8	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	60.0	< 5.0	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	559	283	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.5	< 0.1	-	0.1	-
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	42.7	14.4	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	5.88	2.60	-	0.03	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	53.7	15.2	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:10 HOUR 1/ T24BE029-0003	2 10:05 HOUR 1/ T24BE029-0004			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E)	>160,000	35,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/CLEAR BROWN			

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

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

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

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

RESULT 1 : EQUALIZATION TANK

RESULT 2 : EFFLUENT

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COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

LABORATORY SUPERVISOR

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SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : DECEMBER 21, 2024
ANALYTICAL DATE : DECEMBER 21, 2024 - JANUARY 2, 2025
ISSUE DATE : JANUARY 6, 2025
REPORT NO. : 2025-U000649
WORK NO. : 2024-000478
ANALYSIS NO. : T24BE029-0005 - T24BE029-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:25 HOUR 1/ T24BE029-0005	2 10:20 HOUR 1/ T24BE029-0006			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.8 (28.2°C)	7.8 (27.7°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	370	2.8	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	249	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	495	248	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	4.0	< 0.1	-	0.1	-
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	57.5	15.3	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	14.8	3.61	-	0.03	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	3.0	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	79.6	18.6	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	73	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:25 HOUR 1/ T24BE029-0005	2 10:20 HOUR 1/ T24BE029-0006			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	160,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY	YELLOW/CLEAR BROWN			

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

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

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

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

RESULT 1 : EQUALIZATION TANK

RESULT 2 : EFFLUENT

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

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

.....
[Signature]
.....
LABORATORY SUPERVISOR



อาคาร ออลซีซั่น แมนชั่น



ANALYSIS REPORT

CUSTOMER NAME : ALL SEASONS MANSION CONDOMINIUM JURISTIC PERSON
ADDRESS : 87/210 WIRELESS ROAD LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 0-2654-1012-8 (17) e-mail : asm.dept@ap.jll.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF ALL SEASONS MANSION CONDOMINIUM JURISTIC PERSON
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : AUGUST 1, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : AUGUST 1, 2024
ANALYTICAL DATE : AUGUST 1-8, 2024
ISSUE DATE : AUGUST 13, 2024
REPORT NO. : 2024-U073607
WORK NO. : 2023-009323
ANALYSIS NO. : T24AR224-0001 - T24AR224-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:50 HOUR 1/ T24AR224-0001	2 12:00 HOUR 1/ T24AR224-0002		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (31°C)	7.2 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	36.1	2.8	≤ 30	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	17.4	9.1	≤ 40	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	304	372	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	< 0.1	≤ 0.5	0.1
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	23.8	< LOQ	-	1.5
TOTAL PHOSPHATE ^c	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	8.63	6.52	-	0.03
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	2.0	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	27.1	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT
			1 11:50 HOUR 1/ T24AR224-0001	2 12:00 HOUR 1/ T24AR224-0002		
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	1,700	-	1.8
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID 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

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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

RESULT 1 : 11a EQ

RESULT 2 : 11a EFFLUENT

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

BIOCHEMICAL OXYGEN DEMAND (T24AR224-0002) : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B,5(e).

ND : NOT DETECTED.

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

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LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : ALL SEASONS MANSION CONDOMINIUM JURISTIC PERSON
ADDRESS : 87/210 WIRELESS ROAD LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 0 2654 1017,08 4439 9337 e-mail : Monton.Phattano@ap.jll.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF ALL SEASONS MANSION CONDOMINIUM JURISTIC PERSON
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : DECEMBER 6, 2024
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : DECEMBER 6, 2024
ANALYTICAL DATE : DECEMBER 6-18, 2024
ISSUE DATE : DECEMBER 19, 2024
REPORT NO. : 2024-U119693
WORK NO. : 2023-009323
ANALYSIS NO. : T24BC765-0001 - T24BC765-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 13:30 HOUR 1/ T24BC765-0001	2 13:15 HOUR 1/ T24BC765-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (29.1°C)	7.5 (31.6°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	50.6	7.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	23.4	< 5.0	≤ 40	-	5.0
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	< 0.1	-	0.1	-
AMMONIA-NITROGEN ^c	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	27.1	ND	-	1.0	5.0
TOTAL PHOSPHATE ^c	mg/L PO ₄ ³⁻	PERSULPHATE DIGESTION AND ASCORBIC ACID METHOD (SM: PART 4500-P B AND PART 4500-P E)	9.91	8.81	-	0.03	-
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	286	336	≤ 1,000	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ₂ ⁻ F)	2.9	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	38.7	< LOQ	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	5	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 13:30 HOUR 1/ T24BC765-0001	2 13:15 HOUR 1/ T24BC765-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E)	>160,000	4,900	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID BLACK	YELLOW/TURBID 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

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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

RESULT 1 : 110 EQ

RESULT 2 : 110 EFFLUENT

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

BIOCHEMICAL OXYGEN DEMAND (T24BC765-0002) : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B,5(e).

ND : NOT DETECTED.

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

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LABORATORY SUPERVISOR



โรงแรมคอนราด





บริษัท วิศวกรรมเคมี จำกัด

THAI CHEMICAL & ENGINEERING CO., LTD.

1048/2 ซ.สุขุมวิท 66/1 อ.สุขุมวิท แขวงพระโขนงใต้ เขตพระโขนง กรุงเทพฯ 10260 โทร. 0-2744-9911 แฟกซ์ 0-2393-0165

1048/2 Soi Sukhumvit 66/1, Sukhumvit Rd., Prakanong Tai, Prakanong, Bangkok 10260 TEL. 0-2744-9911 FAX 0-2393-0165

No. 2016/67

WASTE WATER ANALYSIS REPORT

Date : 08/08/67

Analysis Date : 02/08/67-07/08/67

Customer : บริษัท ออล ซีซั่นส์ พร็อพเพอร์ตี้ส์ จำกัด (โรงแรมคอนราด (สาขาที่ 00001)

Sampling Date : 01/08/67

Address : 87/3 ถนนวิทยุ แขวงลุมพินี เขตปทุมวัน กรุงเทพฯ 10330

Sampling Time : 11.30

Received Date : 02/08/67

Tel : -

Reference Number	WP/WS 3661/67			Method of Analysis
Parameter	Unit	บ่อรวมน้ำเสีย ก่อนเข้าระบบ (EQ Tank)		
Appearance		ค่าขุ่นมีตะกอน		
pH		@ 23.9 °C = 6.8		Electrometric (SM 2023:4500-H ⁺ B.)
Biochemical Oxygen Demand	(mg/l)	1369		5-Day BOD Test, Azide Modification (SM 2023:5210 B.)
Total Suspended Solids	(mg/l)	1820		Dried at 103-105°C (SM 2023:2540 D.)
Oil & Grease	(mg/l)	952.00		Soxhlet Extraction (SM 2023:5520 D.)
Fecal Coliform	(MPN/100 ml)	> 16000		Multiple Tube Technique
Ammonia	(mg/l)	33.00		Distillation and Titrimetric
Phosphate	(mg/l)	9.53		Colorimetric Method

SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

❖ The results relate only to the samples tested and apply to customer's self-drawn samples only.

❖ This analysis report may not be reproduced other than in full, except with the prior written approval of the technical manager.

Approved by





บริษัท วิศวกรรมเคมี จำกัด

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1048/2 Soi Sukhumvit 66/1, Sukhumvit Rd., Prakanong Tai, Prakanong, Bangkok 10260 TEL. 0-2744-9911 FAX 0-2393-0165

No. 2017/67

WASTE WATER ANALYSIS REPORT

Date : 08/08/67

Analysis Date : 02/08/67-07/08/67

Customer : บริษัท ออล ซีซั่นส์ พร็อพเพอร์ตี้ส์ จำกัด (โรงแรมคอนราด (สาขาที่ 00001)

Sampling Date : 01/08/67

Address : 87/3 ถนนวิทยุ แขวงลุมพินี เขตปทุมวัน กรุงเทพฯ 10330

Sampling Time : 11.10

Received Date : 02/08/67

Tel : -

Reference Number	WP/WS 3662/67			
Parameter	Unit	น้ำออกจากระบบ	Standard	Method of Analysis
Appearance		เหลืองใสมีตะกอน		
pH		@ 24.5 °C = 7.2	5-9	Electrometric (SM 2023:4500-H ⁺ B.)
Biochemical Oxygen Demand	(mg/l)	3	< 20	5-Day BOD Test, Azide Modification (SM 2023:5210 B.)
Total Suspended Solids	(mg/l)	25	< 30	Dried at 103-105°C (SM 2023:2540 D.)
Total Dissolved Solids	(mg/l)	297	< 500	Dried at 180°C (SM 2023:2540 C.)
Oil & Grease	(mg/l)	< 5.00	< 20	Soxhlet Extraction (SM 2023:5520 D.)
Total Kjeldahl Nitrogen		7.45	< 35	Macro-Kjeldahl, Titrimetric (SM 2023:4500-N(org) B.)
Sulfide		Not detected	< 1.0	ZnS Precipitation, Iodometric (SM 2023:4500-S ²⁻ F.)
Settleable Solids		< 0.5	< 0.5	Imhoff Cone, Volumetric (SM 2023:2540 F.)
Fecal Coliform	(MPN/100 ml)	> 16000	-	Multiple Tube Technique
Ammonia	(mg/l)	6.18	-	Distillation and Titrimetric
Phosphate	(mg/l)	0.14	-	Colorimetric Method

SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

❖ The results relate only to the samples tested and apply to customer's self-drawn samples only.

❖ This analysis report may not be reproduced other than in full, except with the prior written approval of the technical manager.

Approved by





บริษัท วิศวกรรมเคมี จำกัด

THAI CHEMICAL & ENGINEERING CO., LTD.

1048/2 ซ.สุขุมวิท 66/1 ถ.สุขุมวิท แขวงพระโขนงใต้ เขตพระโขนง กรุงเทพฯ 10260 โทร. 0-2744-9911 แฟกซ์ 0-2393-0165

1048/2 Soi Sukhumvit 66/1, Sukhumvit Rd., Prakanong Tai, Prakanong, Bangkok 10260 TEL. 0-2744-9911 FAX 0-2393-0165

No. 3281/67

WASTE WATER ANALYSIS REPORT

Date : 10/12/67

Analysis Date : 02/12/67-09/12/67

Customer : บริษัท ออล ซีซั่นส์ พร็อพเพอร์ตี้ส์ จำกัด (โรงแรมคอนราด (สาขาที่ 00001)

Sampling Date : 02/12/67

Address : 87/3 ถนนวิทยุ แขวงลุมพินี เขตปทุมวัน กรุงเทพฯ 10330

Sampling Time : 10.00

Received Date : 02/12/67

Tel : -

Reference Number	WPWS 5887/67			
Parameter	Unit	บ่อรวมน้ำเสีย ก่อนเข้าระบบ (EQ Tank)		Method of Analysis
Appearance		ค่าขุ่นมีตะกอน		
pH		@ 23.1 °C = 6.6		Electrometric (SM 2023:4500-H ⁺ B.)
Biochemical Oxygen Demand	(mg/l)	756		5-Day BOD Test, Azide Modification (SM 2023:5210 B.)
Total Suspended Solids	(mg/l)	3360		Dried at 103-105°C (SM 2023:2540 D.)
Oil & Grease	(mg/l)	659.41		Soxhlet Extraction (SM 2023:5520 D.)
Fecal Coliform	(MPN/100 ml)	> 16000		Multiple Tube Technique
Ammonia	(mg/l)	35.96		Distillation and Titrimetric
Phosphate	(mg/l)	18.15		Colorimetric Method

SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

❖ The results relate only to the samples tested and apply to customer's self-drawn samples only.

❖ This analysis report may not be reproduced other than in full, except with the prior written approval of the technical manager.

Approved by





บริษัท วิศวกรรมเคมี จำกัด

THAI CHEMICAL & ENGINEERING CO., LTD.

1048/2 ซ.สุขุมวิท 66/1 ด.สุขุมวิท แขวงพระโขนงใต้ เขตพระโขนง กรุงเทพฯ 10260 โทร. 0-2744-9911 แฟกซ์ 0-2393-0165

1048/2 Soi Sukhumvit 66/1, Sukhumvit Rd., Prakanong Tai, Prakanong, Bangkok 10260 TEL. 0-2744-9911 FAX 0-2393-0165

No. 3393/67

WASTE WATER ANALYSIS REPORT

Date : 16/12/67

Analysis Date : 05/12/67-12/12/67

Customer : บริษัท ออล ซีซั่นส์ พร็อพเพอร์ตี้ส์ จำกัด (โรงแรมคอนราด (สาขาที่ 00001)

Sampling Date : 04/12/67

Address : 87/3 ถนนวิทยุ แขวงลุมพินี เขตปทุมวัน กรุงเทพฯ 10330

Sampling Time : -

Received Date : 05/12/67

Tel : -

Reference Number	WP/WS 6121/67			
Parameter	Unit	น้ำออกระบบ	Standard	Method of Analysis
Appearance		เหลืองใสมีตะกอนเล็กน้อย		
pH		@ 23.0 °C = 7.4	5.5-9.0	Electrometric (SM 2023:4500-H ⁺ B.)
Biochemical Oxygen Demand	(mg/l)	2	≤ 20	5-Day BOD Test, Azide Modification (SM 2023:5210 B.)
Total Suspended Solids	(mg/l)	12	≤ 30	Dried at 103-105°C (SM 2023:2540 D.)
Total Dissolved Solids	(mg/l)	339	≤ 1000	Dried at 180°C (SM 2023:2540 C.)
Oil & Grease	(mg/l)	< 5.00	≤ 20	Soxhlet Extraction (SM 2023:5520 D.)
Total Kjeldahl Nitrogen	(mg/l)	6.76	≤ 35	Macro-Kjeldahl, Titrimetric (SM 2023:4500-N(org) B.)
Sulfide	(mg/l)	Not detected	≤ 1.0	ZnS Precipitation, Iodometric (SM 2023:4500-S ²⁻ F.)
Settleable Solids	(ml/l)	< 0.5	-	Imhoff Cone, Volumetric (SM 2023:2540 F.)
Fecal Coliform	(MPN/100 ml)	1100	-	Multiple Tube Technique
Ammonia	(mg/l)	4.46	-	Distillation and Titrimetric
Phosphate	(mg/l)	0.55	-	Colorimetric Method

SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

❖ The results relate only to the samples tested and apply to customer's self-drawn samples only.

❖ This analysis report may not be reproduced other than in full, except with the prior written approval of the technical manager.

Approved by



คุณภาพน้ำทิ้ง
ที่ระบายออกนอกพื้นที่โครงการ (Manhole)



ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com
SAMPLING SOURCE : EXIT GATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 24, 2024
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : AUGUST 24, 2024
ANALYTICAL DATE : AUGUST 24-30, 2024
ISSUE DATE : SEPTEMBER 4, 2024
REPORT NO. : 2024-U081252
WORK NO. : 2024-000478
ANALYSIS NO. : T24AT387-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EXIT GATE T24AT387-0007		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.8 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	17.3	≤ 30	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	22.5	≤ 40	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	267	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	48.4	-	1.5
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	15.2	-	0.03
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	53.5	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EXIT GATE T24AT387-0007		
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID 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

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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 B, NOTIFICATION OF THE
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,
PART 125 D, DATED DECEMBER 29, 2005.

500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD EXCEPT TOTAL KJELDAHL
NITROGEN. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC
WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

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LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com
SAMPLING SOURCE : ENTRANCE GATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : AUGUST 24, 2024
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : AUGUST 24, 2024
ANALYTICAL DATE : AUGUST 24-30, 2024
ISSUE DATE : SEPTEMBER 4, 2024
REPORT NO. : 2024-U081256
WORK NO. : 2024-000478
ANALYSIS NO. : T24AT387-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ENTRANCE GATE T24AT387-0008		
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.4 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 30	2.0
SUSPENDED SOLIDS ^c	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	≤ 40	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	198	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
AMMONIA-NITROGEN ^c	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	ND	-	1.5
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	0.76	-	0.03
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ENTRANCE GATE T24AT387-0008		
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	490	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			YELLOW		

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

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

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

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

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 B, NOTIFICATION OF THE
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,
PART 125 D, DATED DECEMBER 29, 2005.

500* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

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

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD. FOR FAECAL COLIFORM BACTERIA,
IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY
STANDARD IS NOT NOTIFIED.

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[Signature]
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LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com
SAMPLING SOURCE : EXIT GATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 21, 2024
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : DECEMBER 21, 2024
ANALYTICAL DATE : DECEMBER 21-29, 2024
ISSUE DATE : JANUARY 6, 2025
REPORT NO. : 2025-U000650
WORK NO. : 2024-000478
ANALYSIS NO. : T24BE029-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EXIT GATE T24BE029-0007			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.4 (27.4°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	138	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	76.5	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	408	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	-	0.1	-
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500 -NH ₃ B AND PART 4500-NH ₃ C)	52.3	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	13.7	-	0.03	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ²⁻ F)	1.9	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	68.2	≤ 35	1.5	5.0
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	17	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EXIT GATE T24BE029-0007			
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			GREY/TURBID			
SEDIMENT			GREY			

^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 B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD EXCEPT BIOCHEMICAL OXYGEN DEMAND, TOTAL SUSPENDED SOLIDS, SULPHIDE AND TOTAL KJELDAHL NITROGEN. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : ALL SEASON PROPERTY COMPANY LIMITED
ADDRESS : 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com
SAMPLING SOURCE : ENTRANCE GATE
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : DECEMBER 21, 2024
SAMPLING TIME : 11:40 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY :
ANALYZED BY :
RECEIVED DATE : DECEMBER 21, 2024
ANALYTICAL DATE : DECEMBER 21-29, 2024
ISSUE DATE : JANUARY 6, 2025
REPORT NO. : 2025-U000651
WORK NO. : 2024-000478
ANALYSIS NO. : T24BE029-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ENTRANCE GATE T24BE029-0008			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.9 (26.8°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	91.7	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	357	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.6	-	0.1	-
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500 -NH ₃ B AND PART 4500-NH ₃ C)	< LOQ	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	0.18	-	0.03	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ²⁻ F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< LOQ	≤ 35	1.5	5.0
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ENTRANCE GATE T24BE029-0008			
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	3,300	-	1.8	-
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 B, NOTIFICATION OF THE
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141,
PART 233 D, DATED AUGUST 27, 2024.

< LOQ : < LIMIT OF QUANTITATION (AMMONIA-NITROGEN ≥ 1.0 AND < 5.0 mg/L, TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

COMMENT : ALL TESTED PARAMETERS OF THE EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD EXCEPT
TOTAL SUSPENDED SOLIDS. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE
PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

LABORATORY SUPERVISOR