



ภาคผนวก



ภาคผนวก ก ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



ผลการติดตามตรวจสอบคุณภาพน้ำเสีย และน้ำทิ้ง
ระหว่างเดือนมกราคม-มิถุนายน พ.ศ. 2568



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 : 0 2625 1841 e-mail : Kiatisakp@asp.th.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF M-THAI BUILDING
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 26, 2025
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : APRIL 26, 2025
ANALYTICAL DATE : APRIL 26 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U039711
WORK NO. : 2025-000361
ANALYSIS NO. : T25AI972-0001 - T25AI972-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:20 HOUR 1/ T25AI972-0001	2 10:15 HOUR 1/ T25AI972-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (29.9°C)	7.6 (32.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	117	11.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	47.0	5.3	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	352	262	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.2	< 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)	52.6	25.3	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	12.8	6.21	-	0.03	0.15
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	1.9	< 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	70.7	28.1	≤ 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 10:20 HOUR 1/ T25AI972-0001	2 10:15 HOUR 1/ T25AI972-0002			
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			GREY/TURBID	YELLOW/CLEAR			
SEDIMENT			GREY	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.

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 EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

(MISS CHAWEEWAN BOONLA)
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 : APRIL 26, 2025
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : APRIL 26, 2025
ANALYTICAL DATE : APRIL 26 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U039713
WORK NO. : 2025-000361
ANALYSIS NO. : T25AI972-0003 - T25AI972-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:40 HOUR 1/ T25AI972-0003	2 10:35 HOUR 1/ T25AI972-0004			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	8.0 (38.1°C)	7.6 (33.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	25.1	8.6	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	34.0	11.4	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	569	298	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	0.2	-	0.1	-
AMMONIA-NITROGEN ^b	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	44.8	22.0	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	4.56	2.26	-	0.03	0.15
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	52.7	25.8	≤ 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 10:40 HOUR 1/ T25AI972-0003	2 10:35 HOUR 1/ T25AI972-0004			
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			BROWN/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 NOT IN SCOPE OF ACCREDITATION

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 EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

(MISS CHAWEEWAN BOONLA)
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 CRC TOWER
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 26, 2025
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 26, 2025
ANALYTICAL DATE : APRIL 26 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U039715
WORK NO. : 2025-000361
ANALYSIS NO. : T25AI972-0005 - T25AI972-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:55 HOUR 1/ T25AI972-0005	2 10:50 HOUR 1/ T25AI972-0006			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.1 (30.4°C)	7.6 (31.5°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	4,326	14.4	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	13,424	5.4	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	560	275	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	900	< 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)	116	31.9	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	16.2	7.89	-	0.03	0.15
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	9.8	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^c	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	982	34.6	≤ 35	1.5	5.0
OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRVIMETRIC METHOD (SM: PART 5520 B)	2,233	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:55 HOUR 1/ T25AI972-0005	2 10:50 HOUR 1/ T25AI972-0006			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	35,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			BLACK/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 NOT IN SCOPE OF ACCREDITATION

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 EFFLUENT ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046. FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

(MISS CHAWEEWAN BOONLA)
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 : APRIL 16, 2025
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR PHATSAWUT THOSAKOON
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 16, 2025
ANALYTICAL DATE : APRIL 16-23, 2025
ISSUE DATE : APRIL 25, 2025
REPORT NO. : 2025-U036228
WORK NO. : 2024-010793
ANALYSIS NO. : T25AI165-0001 - T25AI165-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 09:35 HOUR 1/ T25AI165-0001	2 09:20 HOUR 1/ T25AI165-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (30.4°C)	6.9 (31.6°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	33.6	7.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	11.1	11.5	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	268	557	≤ 1,000	-	25
AMMONIA-NITROGEN ^c	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500-NH ₃ B AND PART 4500-NH ₃ C)	25.7	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)	10.1	9.61	-	0.03	0.15
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	< 0.1	-	0.1	-
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ₂ ⁻ F)	3.3	< 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	29.4	< 5.0	≤ 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 09:35 HOUR 1/ T25AI165-0001	2 09:20 HOUR 1/ T25AI165-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E)	>160,000	1,700	-	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 NOT IN SCOPE OF ACCREDITATION

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

RESULT 1 : น้ำ EQ

RESULT 2 : น้ำ 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.

ND : NOT DETECTED.

(MISS WILAILAK SRISUK)
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. 1292/68

WASTE WATER ANALYSIS REPORT

Date : 08/05/68

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

Address : 87/3 ถนนวิทยุ แขวงลุมพินี เขตปทุมวัน กรุงเทพฯ 10330

Tel : -

Analysis Date : 30/04/68-07/05/68

Sampling Date : 30/04/68

Sampling Time : 13.32

Received Date : 30/04/68

Reference Number	WP/WS 2375/68			
Parameter	Unit	บ่อรวมน้ำเสีย ก่อนเข้าระบบ (EQ Tank)		Method of Analysis
Appearance		ดำขุ่นมีตะกอน		
pH		@ 23.2 °C = 6.8		Electrometric (SM 2023:4500-H ⁺ B.)
Biochemical Oxygen Demand	(mg/l)	286		5-Day BOD Test, Azide Modification (SM 2023:5210 B.)
Total Suspended Solids	(mg/l)	227		Dried at 103-105 °C (SM 2023:2540 D.)
Oil & Grease	(mg/l)	151.63		Soxhlet Extraction (SM 2023:5520 D.)
Fecal Coliform	(MPN/100 ml)	> 16000		Multiple Tube Technique
Ammonia	(mg/l)	28.42		Distillation and Titrimetric
Phosphate	(mg/l)	10.31		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

✓ (✓ ธีญญารัตน์ พลอยกระจำจ)



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. 1293/68

WASTE WATER ANALYSIS REPORT

Date : 08/05/68

Analysis Date : 30/04/68-07/05/68

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

Sampling Date : 30/04/68

Address : 87/3 ถนนวิทยุ แขวงลุมพินี เขตปทุมวัน กรุงเทพฯ 10330

Sampling Time : 13.32

Received Date : 30/04/68

Tel : -

Reference Number	WP/WS 2376/68			
Parameter	Unit	น้ำออกจากระบบ	Standard	Method of Analysis
Appearance		เหลืองค่อนข้างใสมีตะกอน		
pH		@ 23.3 °C = 7.3	5.5-9.0	Electrometric (SM 2023:4500-H ⁺ B.)
Biochemical Oxygen Demand	(mg/l)	7	≤ 20	5-Day BOD Test, Azide Modification (SM 2023:5210 B.)
Total Suspended Solids	(mg/l)	22	≤ 30	Dried at 103-105°C (SM 2023:2540 D.)
Total Dissolved Solids	(mg/l)	326	≤ 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)	7.80	≤ 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)	4300	≤ 1000	Multiple Tube Technique
Ammonia	(mg/l)	7.11	-	Distillation and Titrimetric
Phosphate	(mg/l)	7.28	-	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

(๗ ธัญญรัตน์ พลอยกระจำจ)

คุณภาพน้ำทิ้ง
ที่ระบายออกนอกพื้นที่โครงการ (Manhole)



ANALYSIS REPORT

CUSTOMER NAME	: ALL SEASON PROPERTY COMPANY LIMITED	RECEIVED DATE	: APRIL 26, 2025
ADDRESS	: 19TH FLOOR, M THAI TOWER ALL SEASON PLACE, 87 LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: APRIL 26 - MAY 6, 2025
CONTACT INFORMATION	: TEL : 08 1709 9056 e-mail : Kittigornk@asp.th.com	ISSUE DATE	: MAY 9, 2025
SAMPLING SOURCE	: EXIT GATE	REPORT NO.	: 2025-U039717
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2025-000361
SAMPLING DATE	: APRIL 26, 2025	ANALYSIS NO.	: T25AI972-0007
SAMPLING TIME	: 11:10 HOUR		
SAMPLING METHOD	: GRAB, GRAB AND STERILE TECHNIQUE		
SAMPLING BY	: MR WEERAYUT MOKKAEW		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EXIT GATE T25AI972-0007			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.6 (32.7°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	105	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	36.9	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	360	≤ 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)	42.8	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	11.1	-	0.03	0.15
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ²⁻ F)	1.6	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	53.8	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	5	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EXIT GATE T25A1972-0007			
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			BROWN/TURBID 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 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 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 ARE COMPLIED WITH REGULATORY STANDARD EXCEPT BIOCHEMICAL OXYGEN DEMAND,
SULPHIDE AND TOTAL KJELDAHL NITROGEN BY REPORTING ACCORDING TO UAE.WI.046. FOR FAECAL COLIFORM BACTERIA,
IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY ALTHOUGH REGULATORY STANDARD
IS NOT NOTIFIED.

(MRS PIYAPAT SUTTAMANUTWONG)
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 : APRIL 26, 2025
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 26, 2025
ANALYTICAL DATE : APRIL 26 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U039718
WORK NO. : 2025-000361
ANALYSIS NO. : T25AI972-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ENTRANCE GATE T25AI972-0008			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	8.5 (33.8°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)	< 5.0	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	710	≤ 1,000	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
AMMONIA-NITROGEN ^d	mg/L NH ₃ -N	KJELDAHL METHOD (SM: PART 4500 -NH ₃ B AND PART 4500-NH ₃ C)	< 5.0	-	1.0	5.0
PHOSPHATE ^c	mg/L PO ₄ ³⁻	ASCORBIC ACID METHOD (SM: PART 4500-P E)	0.73	-	0.03	0.15
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	< 5.0	≤ 35	1.5	5.0
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 T25AI972-0008			
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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PART 233 D, DATED AUGUST 27, 2024.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046.
FOR FAECAL COLIFORM BACTERIA, IT SHOULD BE DISINFECTED BEFORE DISCHARGING INTO THE PUBLIC WATERWAY
ALTHOUGH REGULATORY STANDARD IS NOT NOTIFIED.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR