

ภาคผนวก ค  
รายงานผลการตรวจวัดคุณภาพน้ำทิ้ง

---

รายงานผลการตรวจวัดคุณภาพน้ำทิ้ง  
เดือนมกราคม พ.ศ. 2566

---

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : JANUARY 11, 2023

**SAMPLING TIME** : 15:25 HOUR

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JANUARY 11, 2023

**ANALYTICAL DATE** : JANUARY 11-19, 2023

**REPORT NO.** : 2023-U004731

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AA488-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			บ่อปรับสภาพน้ำ T23AA488-0001	
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.4 (28°C)	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	711	2.0
SUSPENDED SOLIDS <sup>c</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	13,184	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM 2540 C	434	25
SULPHIDE <sup>c</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	14.8	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	94.9	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	23	3
<b>MICROBIOLOGY</b>				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BLACK	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

JANUARY 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : JANUARY 11, 2023

**SAMPLING TIME** : 15:20 HOUR

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JANUARY 11, 2023

**ANALYTICAL DATE** : JANUARY 11-19, 2023

**REPORT NO.** : 2023-U004733

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AA488-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ข้อมูลน้ำทิ้ง T23AA488-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.4 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	99.3	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	49.9	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103- 105 °C); SM 2540 C	428	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	24.5	≤ 35	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ่อสูบน้ำทิ้ง T23AA488-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	>160,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID  BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

JANUARY 25, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : JANUARY 11, 2023

**SAMPLING TIME** : 15:10 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : JANUARY 11, 2023

**ANALYTICAL DATE** : JANUARY 11-15, 2023

**REPORT NO.** : 2023-U004734

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AA488-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL T23AA488-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
STANDARD PLATE COUNT <sup>b</sup>	CFU/mL	STANDARD PLATE COUNT (SM: 9215 B)	1.4x10 <sup>2</sup>	-	1
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

JANUARY 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WATER SUPPLY

**SAMPLING DATE** : JANUARY 11, 2023

**SAMPLING TIME** : 15:00 HOUR

**SAMPLING METHOD \*** : STERILE TECHNIQUE

**SAMPLING BY \*** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS SUJIRA PRASERTSUKHO

**RECEIVED DATE** : JANUARY 11, 2023

**ANALYTICAL DATE** : JANUARY 11-22, 2023

**REPORT NO.** : 2023-U005696

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AA488-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ROOF TANK T23AA488-0004
MICROBIOLOGY			
Legionella spp. #	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

JANUARY 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WATER SUPPLY **RECEIVED DATE** : JANUARY 11, 2023

**SAMPLING DATE** : JANUARY 11, 2023 **ANALYTICAL DATE** : JANUARY 11-22, 2023

**SAMPLING TIME** : 15:05 HOUR **REPORT NO.** : 2023-U005697

**SAMPLING METHOD \*** : STERILE TECHNIQUE **WORK NO.** : 2022-008317

**SAMPLING BY \*** : MR WEERAYUT MOKKAEW **ANALYSIS NO.** : T23AA488-0005

**ANALYZED BY** : MISS SUJIRA PRASERTSUKHO

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ห้องพักแขก NO.3208 T23AA488-0005
MICROBIOLOGY			
Legionella spp. #	CFU/L	ISO 11731:2017-05 (E)	100
SAMPLE CONDITION			COLOURLESS/CLEAR  -
WATER'S COLOUR/TURBID			
SEDIMENT			

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

[REDACTED]

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

JANUARY 25, 2023



รายงานผลการตรวจวัดคุณภาพน้ำทิ้ง  
เดือนกุมภาพันธ์ พ.ศ. 2566

---



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : FEBRUARY 1, 2023

**SAMPLING TIME** : 14:25 HOUR

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : FEBRUARY 1, 2023

**ANALYTICAL DATE** : FEBRUARY 1-7, 2023

**REPORT NO.** : 2023-U010475

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AB671-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			บ่อปรับสภาพน้ำ T23AB671-0001	
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.4 (28°C)	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	166	2.0
SUSPENDED SOLIDS <sup>c</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	184	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM 2540 C	352	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	1.3	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	50.7	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	7	3
<b>MICROBIOLOGY</b>				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

.....  
[REDACTED SIGNATURE]  
.....

LABORATORY SUPERVISOR

FEBRUARY 14, 2023





## ANALYSIS REPORT

PROJECT NAME	: การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566		
CUSTOMER NAME	: L&H HOTEL MANAGEMENT COMPANY LIMITED		
ADDRESS	: 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330		
CONTACT INFORMATION	: TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com		
SAMPLING SOURCE	: GRANDE CENTRE POINT HOTEL RATCHADAMRI		
SAMPLE TYPE	: EFFLUENT	RECEIVED DATE	: FEBRUARY 1, 2023
SAMPLING DATE	: FEBRUARY 1, 2023	ANALYTICAL DATE	: FEBRUARY 1-13, 2023
SAMPLING TIME	: 14:20 HOUR	REPORT NO.	: 2023-U010476
SAMPLING METHOD	: GRAB, GRAB AND STERILE TECHNIQUE	WORK NO.	: 2022-008317
SAMPLING BY	: MR WEERAYUT MOKKAEW	ANALYSIS NO.	: T23AB671-0002
ANALYZED BY	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บอสน้ำทิ้ง T23AB671-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.1 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	22.4	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	12.5	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103- 105 °C); SM 2540 C	364	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	6.4	≤ 35	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ่อสูบน้ำทิ้ง T23AB671-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	92,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

(MISS BENJAWAN VIRIYOTHAJ)  
LABORATORY SUPERVISOR

FEBRUARY 14, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : FEBRUARY 1, 2023

**SAMPLING TIME** : 14:15 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : FEBRUARY 1, 2023

**ANALYTICAL DATE** : FEBRUARY 1-5, 2023

**REPORT NO.** : 2023-U010477

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AB671-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL T23AB671-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
STANDARD PLATE COUNT <sup>b</sup>	CFU/mL	STANDARD PLATE COUNT (SM: 9215 B)	1.3x10 <sup>2</sup>	-	1
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

.....  
(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

FEBRUARY 14, 2023



รายงานผลการตรวจวัดคุณภาพน้ำทิ้ง  
เดือนมีนาคม พ.ศ. 2566

---



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : MARCH 2, 2023

**SAMPLING TIME** : 15:15 HOUR

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : MARCH 2, 2023

**ANALYTICAL DATE** : MARCH 2-13, 2023

**REPORT NO.** : 2023-U018009

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AD714-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			บ่อปรับสภาพน้ำ T23AD714-0001	
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.5 (28°C)	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O <sub>2</sub> G AND PART 5210 B)	276	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	458	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAC.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	354	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> -F)	2.6	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	56.5	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	9	3
<b>MICROBIOLOGY</b>				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

MARCH 16, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : MARCH 2, 2023

**SAMPLING TIME** : 15:10 HOUR

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : MARCH 2, 2023

**ANALYTICAL DATE** : MARCH 2-10, 2023

**REPORT NO.** : 2023-U018010

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AD714-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ่อสูบน้ำทิ้ง T23AD714-0002		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.1 (28°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O <sub>2</sub> G AND PART 5210 B)	67.8	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	53.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	351	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	7.0	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sub>2</sub> - F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-N <sub>org</sub> C	7.1	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ่อสูบน้ำทิ้ง T23AD714-000 2		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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  
(TOTAL DISSOLVED SOLIDS STANDARD VALUE OF TAP WATER QUALITY IS 1,000 mg/L).

ND : NON-DETECTABLE.

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

MARCH 16, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : MARCH 2, 2023

**SAMPLING TIME** : 15:00 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : MR WEERAYUT MOKKAEW

**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : MARCH 2, 2023

**ANALYTICAL DATE** : MARCH 2-6, 2023

**REPORT NO.** : 2023-U018011

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AD714-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL T23AD714-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
STANDARD PLATE COUNT <sup>b</sup>	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	2.8x10 <sup>2</sup>	-	1
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		
			-		


<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

.....  
  
 (MISS CHAWEEVAN BOONLA)  
 LABORATORY SUPERVISOR

MARCH 16, 2023



รายงานผลการตรวจวัดคุณภาพน้ำทิ้ง  
เดือนเมษายน พ.ศ. 2566

---

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : APRIL 5, 2023

**SAMPLING TIME** : 16:00 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : APRIL 5, 2023

**ANALYTICAL DATE** : APRIL 5-20, 2023

**REPORT NO.** : 2023-U028911

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AG156-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			บ่อปรับสภาพน้ำ T23AG156-0001	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.5 (29°C)	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	165	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	385	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	278	25
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	2.5	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	73.7	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	11	3
<b>MICROBIOLOGY</b>				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

APRIL 24, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : EFFLUENT **RECEIVED DATE** : APRIL 5, 2023

**SAMPLING DATE** : APRIL 5, 2023 **ANALYTICAL DATE** : APRIL 5-20, 2023

**SAMPLING TIME** : 15:55 HOUR **REPORT NO.** : 2023-U028912

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE **WORK NO.** : 2022-008317

**SAMPLING BY °** : MR SUKSAN BOONLEANG **ANALYSIS NO.** : T23AG156-0002

**ANALYZED BY** : MISS ARIYA THARAROM

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บอสน้ำทิ้ง T23AG156-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H° B)	7.2 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	144	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	158	≤ 30	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	282	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	40.0	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S° F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	26.5	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ่อสูบน้ำหัง T23AG156-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID  BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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 : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

APRIL 24, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330  
**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : APRIL 5, 2023  
**SAMPLING TIME** : 15:50 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : MR SUKSUN PANSING  
**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : APRIL 5, 2023  
**ANALYTICAL DATE** : APRIL 5-9, 2023  
**REPORT NO.** : 2023-U028913  
**WORK NO.** : 2022-008317  
**ANALYSIS NO.** : T23AG156-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL T23AG156-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
STANDARD PLATE COUNT <sup>b</sup>	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	3.3x10 <sup>3</sup>	-	1
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

APRIL 24, 2023



รายงานผลการตรวจวัดคุณภาพน้ำทิ้ง  
เดือนพฤษภาคม พ.ศ. 2566

---

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : MAY 3, 2023

**SAMPLING TIME** : 16:05 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : MAY 3, 2023

**ANALYTICAL DATE** : MAY 3-17, 2023

**REPORT NO.** : 2023-U036881

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AH901-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			พอปรับสภาพน้ำ T23AH901-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	6.8 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	419	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	897	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	297	25
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	3.2	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	202	1.5
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	22	3
<b>MICROBIOLOGY</b>				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BLACK	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.



(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 19, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330

**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : MAY 3, 2023

**SAMPLING TIME** : 16:00 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS ARIYA THARAROM

**RECEIVED DATE** : MAY 3, 2023

**ANALYTICAL DATE** : MAY 3-17, 2023

**REPORT NO.** : 2023-U036882

**WORK NO.** : 2022-008317

**ANALYSIS NO.** : T23AH901-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ข้อสรุปน้ำทิ้ง T23AH901-0002		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.1 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	68.0	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	25.2	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	332	500*	25
SETTLABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	4.5	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	6.2	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปอสูบน้ำหัง T23AH901-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID  BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : 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, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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 : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 19, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330  
**CONTACT INFORMATION** : TEL : 08 1926 3779 e-mail : pornchai.k@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : MAY 3, 2023  
**SAMPLING TIME** : 15:55 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : MR SUKSUN PANSING  
**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : MAY 3, 2023  
**ANALYTICAL DATE** : MAY 3-9, 2023  
**REPORT NO.** : 2023-U036883  
**WORK NO.** : 2022-008317  
**ANALYSIS NO.** : T23AH901-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL T23AH901-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	6.9	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	DETECTED	NOT DETECTED	-
STANDARD PLATE COUNT <sup>b</sup>	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	7.2x10 <sup>2</sup>	-	1
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

MAY 19, 2023





รายงานผลการตรวจวัดคุณภาพน้ำทิ้ง  
เดือนมิถุนายน พ.ศ. 2566

---

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL RATCHADAMRI ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 153/2 SOI MAHATLEK LUANG 1 RATCHADAMRI ROAD LUMPHINI PATHUM WAN BANGKOK 10330  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL RATCHADAMRI  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JUNE 2, 2023  
**SAMPLING TIME** : 14:00 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : MR SUKSUN PANSING  
**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : JUNE 2, 2023  
**ANALYTICAL DATE** : JUNE 2-7, 2023  
**REPORT NO.** : 2023-U045694  
**WORK NO.** : 2022-008317  
**ANALYSIS NO.** : T23AK247-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL T23AK247-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
STANDARD PLATE COUNT <sup>b</sup>	CFU/mL	STANDARD PLATE COUNT (SM: PART 9215 B)	< 1	-	1
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR  -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

JUNE 9, 2023

