

ภาคผนวก ง

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



คุณภาพน้ำทิ้งของโครงการ





Analysis Report CH2500005

Report Number : CH2500005-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

จุดปล่อยน้ำก่อนออกสู่
สาธารณะ

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result		
						Guideline				
						MNRE 2567		Result		
						Type B				
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		<2.0		
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3		
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		6.9		
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		<0.5 *		
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		30.5		
Microbiological Parameters										
MC6022	Bangkok	Fecal Coliforms			MPN/100mL			49000		
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			1 *		
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		728		
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		21		

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

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

----- END OF REPORT -----



Analysis Report CH2500006

Report Number : CH2500006-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

จุดปล่อยน้ำก่อนออกสู่
สาธารณะ

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Aug 05, 2025 11:10 AM		
						Guideline				
						MNRE 2567				
						Type B				
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		23.9		
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3		
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		8.0		
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		<0.5 *		
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		36.5		
Microbiological Parameters										
MC6022	Bangkok	Fecal Coliforms			MPN/100mL			330000		
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			<0.1 *		
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		280		
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		20		

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

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

----- END OF REPORT -----



Analysis Report CH2500010

Report Number : CH2500010-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

จุดปล่อยน้ำก่อนออกสู่
สาธารณะ

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						Guideline			
						MNRE 2567 Type B			
Chemical Parameters									
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		17.9	
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3	
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		7.5	
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		<0.5 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		17.6	
Microbiological Parameters									
MC6022	Bangkok	Fecal Coliforms			MPN/100mL			1100000	
Physical and Aggregate Properties									
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			<0.1 *	
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		236	
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		17	

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

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

----- END OF REPORT -----



Analysis Report CH2500007

Report Number : CH2500007-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

จุดปล่อยน้ำก่อนออกสู่
สาธารณะ

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date			
						Guideline			
						MNRE 2567 Type B	MOPH 1/2550	Result	
Chemical Parameters									
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		5.8	
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3	
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		7.6	
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		<0.5 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		15.3	
Microbiological Parameters									
MC6022	Bangkok	Fecal Coliforms			MPN/100mL			490000	
Physical and Aggregate Properties									
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			<0.1 *	
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		272	
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		13	



Analysis Report CH2500008

Report Number : CH2500008-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

จุดปล่อยน้ำก่อนออกสู่
สาธารณะ

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Result	
						Guideline			
						MNRE 2567 Type B			
Chemical Parameters									
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		6.2	
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3	
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		7.2	
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		<0.5 *	
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		12.8	
Microbiological Parameters									
MC6022	Bangkok	Fecal Coliforms			MPN/100mL			130000	
Physical and Aggregate Properties									
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			<0.1 *	
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		300	
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		11	

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key:

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

----- END OF REPORT -----



Analysis Report CH2500011

Report Number : CH2500011-AA



TESTING
No.0009

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

จุดปล่อยน้ำก่อนออกสู่
สาธารณะ

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		Dec 11, 2025 02:45 PM		
						Guideline		CH2500011-001		
						MNRE 2567 Type B	MOPH 1/2550	Result		
Chemical Parameters										
EN0044	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30		5.4		
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20		<3		
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5.5-9		7.4		
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1		<0.5 *		
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35		18.4		
Microbiological Parameters										
MC6022	Bangkok	Fecal Coliforms			MPN/100mL			130000		
Physical and Aggregate Properties										
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr			<0.1 *		
EN0100	Bangkok	Total Dissolved Solids at 180°C		5	mg/L	≤1000		288		
EN0102	Bangkok	Total Suspended Solids		5	mg/L	≤40		16		

คุณภาพน้ำใช้ของโครงการ





Analysis Report CH2500010



ISO/IEC 17025
Accreditation No. 1031/47

Client : Dvieng Santitham Juristic Person Condominium
66, Hassadhisawee Rd., Tambon Chang Phueak, Amphoe Mueang Chiang Mai,
Chiang Mai, Thailand, 50300
P/O : ---
Project : ---
Project Location: Dvieng Santitham Juristic Person Condominium

Work Order : CH2500010
Report Number : CH2500010-AC
Date Received : Sep 10, 2025
Date Reported : Sep 19, 2025
Date Analysis Commenced : Sep 10, 2025
No. of samples received : 2
Temperature : 3.2 °C
Sampled by : Phanudeth Petchaut

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Signatories

Tuanjai T.

Tuanjai Thangklang
Lab Manager - Microbiology

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report CH25000010

Report Number : CH25000010-AC



ISO/IEC 17025

Accreditation No. 1031/47

Sample Receipt and Conditions				
Sample ID	Sample Name	Sample Description	GPS	Conditions
CH25000010-004	อาคาร A : น้ำดี	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate
CH25000010-005	อาคาร B : น้ำดี	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate
Brief Method Summaries				
The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.				
Method	Testing Lab	Method Descriptions		
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, Part 9221 F		



Analysis Report CH2500010

Report Number : CH2500010-AC



ISO/IEC 17025
Accreditation No. 1031/47

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Sub-Matrix: PROCESS WATER									
(Matrix: WATER)									
Client Sample ID									
Sampling Date									
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result	Result
Microbiological Parameters									
MC6012	Bangkok	Escherichia coli			in 100mL			Not Detected	Not Detected

Guideline: ----

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key: ° LOD : Limit of Detection

 ° "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

----- END OF REPORT -----



Analysis Report CH2500011



ISO/IEC 17025
Accreditation No. 1031/47

Client : Dvieng Santitham Juristic Person Condominium
66, Hassadhisawee Rd., Tambon Chang Phueak, Amphoe Mueang Chiang Mai,
Chiang Mai, Thailand, 50300
P/O : ---
Project : ---
Project Location: Dvieng Santitham Juristic Person Condominium

Work Order : CH2500011
Report Number : CH2500011-AB
Date Received : Dec 12, 2025
Date Reported : Dec 22, 2025
Date Analysis Commenced : Dec 12, 2025
No. of samples received : 2
Temperature : 2.6 °C
Sampled by : Sithichok Taseeda

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Signatories

Tuanjai T.

Tuanjai Thangklang
Lab Manager - Microbiology

ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Life Sciences

104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T +662 760 3000



Analysis Report CH2500011

Report Number : CH2500011-AB



ISO/IEC 17025

Accreditation No. 1031/47

Sample Receipt and Conditions				
Sample ID	Sample Name	Sample Description	GPS	Conditions
CH2500011-004	อาคาร A : น้ำดี	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
CH2500011-005	อาคาร B : น้ำดี	----	----	1x Sterile Bottle - Preserved with Sodium Thiosulfate, refrigerated
Brief Method Summaries				
The methods in the analysis report are short format, refer to full test methods in accordance with the ISO/IEC 17025 certificate no. specified in the analysis report.				
Method	Testing Lab	Method Descriptions		
MC6012	Bangkok	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, Part 9221 F		



Analysis Report CH2500011

Report Number : CH2500011-AB



ISO/IEC 17025
Accreditation No. 1031/47

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Sub-Matrix: PROCESS WATER									
(Matrix: WATER)									
Client Sample ID									
		Sampling Date				อาคาร A : น้ำดื่ม		อาคาร B : น้ำดื่ม	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline	Dec 11, 2025 03:05 PM	Dec 11, 2025 03:00 PM	
							CH2500011-004	CH2500011-005	
Result									
Result									
Microbiological Parameters									
MC6012	Bangkok	Escherichia coli			in 100mL		Not Detected	Not Detected	

Guideline: ----

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key: ° LOD : Limit of Detection

 ° "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

----- END OF REPORT -----

คุณภาพน้ำสระว่ายน้ำของโครงการ





Analysis Report CH2500005

Report Number : CH2500005-AB



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID									
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		สรุบน้ำ : ส่วนต้น	สรุบน้ำ : ส่วนเล็ก
						Guideline			
MC6009	Bangkok	Total Coliforms			MPN/100mL	MOPH 1/2550		Jul 08, 2025 02:00 PM	Jul 08, 2025 02:05 PM
MC6012	Bangkok	Escherichia coli			in 100mL			CH2500005-002	CH2500005-003
								Result	Result
								<1.1	<1.1
								Not Detected	Not Detected

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Sampling is not included in scope of accreditation ISO/IEC 17025

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

----- END OF REPORT -----



(Matrix: WATER)

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key: ° LOD : Limit of Detection

◦ " $<$ " : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

END OF REPORT



Analysis Report CH2500007

Report Number : CH2500007-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Sub-Matrix: PROCESS WATER									
(Matrix: WATER)									
Client Sample ID			สรุควางนำ : ส่วนต้น		สรุควางนำ : ส่วนเล็ก				
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		CH2500007-002	CH2500007-003
						Guideline			
						MNRE 2567 Type B	MOPH 1/2550	Result	Result
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL		<10	<1.1	<1.1
MC6012	Bangkok	Escherichia coli			in 100mL		Not Detected	Not Detected	Not Detected

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

Sampling is not included in scope of accreditation ISO/IEC 17025

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

----- END OF REPORT -----



Analysis Report CH25000008

Report Number : CH25000008-AB



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Client Sample ID									
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Sampling Date		สรุคว่ายน้ำ : ส่วนต้น	สรุคว่ายน้ำ : ส่วนเล็ก
						Guideline			
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		Nov 24, 2025 11:40 AM	Nov 24, 2025 11:45 AM
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		CH25000008-002 Result	CH25000008-003 Result
Microbiological Parameters									
MC6009	Bangkok	Total Coliforms			MPN/100mL	<10		<1.1	<1.1
MC6012	Bangkok	Escherichia coli			in 100mL	Not Detected		Not Detected	Not Detected

Guideline: MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

Sampling is not included in scope of accreditation ISO/IEC 17025

Key: ° LOD : Limit of Detection

 ° "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

----- END OF REPORT -----



Analysis Report CH2500011

Report Number : CH2500011-AA



TESTING
No.0009

Sub-Matrix: PROCESS WATER

(Matrix: WATER)

Sub-Matrix: PROCESS WATER												
(Matrix: WATER)												
Client Sample ID			Sampling Date			สรุควางนำ : ส่วนต้น			สรุควางนำ : ส่วนเล็ก			
Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline		Result	CH2500011-002	Dec 11, 2025 02:55 PM	CH2500011-003	Dec 11, 2025 02:50 PM
						MNRE 2567 Type B	MOPH 1/2550					
Microbiological Parameters												
MC6009	Bangkok	Total Coliforms			MPN/100mL		<10		<1.1		<1.1	
MC6012	Bangkok	Escherichia coli			in 100mL		Not Detected		Not Detected		Not Detected	

Guideline: MNRE 2567 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B

MOPH 1/2550: Recommendations of The Public Health Committee on Swimming Pool Operations

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

Sampling is not included in scope of accreditation ISO/IEC 17025

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

----- END OF REPORT -----