

บทที่ 3

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

นิติบุคคลอาคารชุดแอสปายอุดรธานี

ที่อยู่เจ้าของโครงการ นิติบุคคลอาคารชุดแอสปายอุดรธานี

669 หมู่ 2 ซ.บ้านโพธิ์สว่าง ถ.โพศรี ต.หมากแข้ง อ.เมือง จ.อุดรธานี 41000

วันที่เก็บตัวอย่าง กรกฎาคม 2566 ถึง ธันวาคม 2566 (ความถี่ 1 ครั้ง / เดือน)

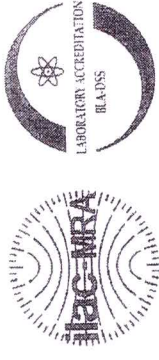
สถานที่เก็บตัวอย่าง

1. จุดระบายน้ำออกจากระบบ
2. บ่อพักน้ำสุดท้ายก่อนระบายออกท่อสาธารณะ

นิติบุคคลแอสปายอุดรธานี

ตำแหน่งที่วัด	พารามิเตอร์ที่วัด						Total dissolved solids
	pH	BOD (mg/L)	Settleable Solids (mg/L)	Oil & Grease (mg/L)	TKN (mg/L)	Sulfide (mg/L)	
1. น้ำเสียหลังจากบำบัด ก.ค 66	7.7	35	0.1	7	40.7	0.5	440
2. น้ำเสียหลังจากบำบัด ส.ค 66	7.6	58	0.1	8	33.9	0.6	468
3. น้ำเสียหลังจากบำบัด ก.ย 66	7.3	28	0.1	3	34	0.5	424
4. น้ำเสียหลังจากบำบัด ต.ค 66	7.7	20	0.1	4	45.3	0.5	328
5. น้ำเสียหลังจากบำบัด พ.ย 66	7.8	62	0.1	4	42.5	0.5	336
6. น้ำเสียหลังจากบำบัด ธ.ค 66	7.6	4	0.1	4	48.1	0.6	344
ค่ามาตรฐาน ***	5-9	≤ 30	≤ 0.5	≤ 20	≤ 35	≤ 1.0	≤ 500

หมายเหตุ: *** ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม เรื่อง กำหนดมาตรฐานควบคุม การระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด ลงวันที่ 7 พฤศจิกายน 2548 ประกาศในราชกิจจานุเบกษา เล่มที่ 122 ตอนที่ 12 ลง วันที่ 29 ธันวาคม 2548



TESTING
No.0009

Analysis Report NN2300029

Report Number : NN2300029-AA

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

ไม่ชัดเจน

Sampling Date

Jul 07, 2023 01:30 PM

Guideline

NN2300029-001

Result

MNRE 2548
Type B

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline	Result
Chemical Parameters							
EN0045	Bangkok	BOD (5 days at 20°C)		2.0	mg/L	≤30	35 *
EN0048	Bangkok	Oil & Grease		3	mg/L	≤20	7
EN0021	Bangkok	pH at 25°C		1.0	pH Unit	5-9	7.7
EN0032	Bangkok	Sulfides		0.5	mg/L	≤1	<0.5 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	40.7
Physical and Aggregate Properties							
EN0093	Bangkok	Settleable Solids		0.1	mL/L/hr	≤0.5	<0.1 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C		5	mg/L	≤500	440

TDS are in addition to the TDS of the water used not more than 500 mg/L

Guideline: MNRE 2548 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)

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

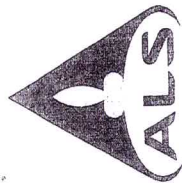
Sampling is not included in scope of accreditation ISO/IEC 17025

Key: ° LOD : Limit of Detection

° "L" : 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 NN2300051

Report Number : NN2300051-AA

Sub-Matrix: WASTEWATER

(Matrix: WATER)

Client Sample ID

trial:naan

Sampling Date

Aug 07, 2023 02:00 PM

Guideline

NN2300051-001

MNRE 2548

Type B

Result

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TESTING
No.0009



(Matrix: WATER)

103-106 5

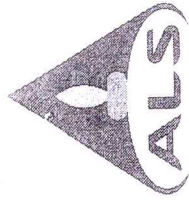
Guideline: MNRE 2548 Type B: Building: Notification of The Ministry of Natural Resources and Environment

Comment: The laboratory has been accepted as an accredited laboratory conforming to the requirements of the International Standard for Accreditation of Testing Laboratories (ISO/IEC 17025). Sampling is not included in scope of accreditation ISO/IEC 17025

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

Key:

END OF REPORT



Analysis Report NN2300109

Report Number : NN2300109-AA

Sub-Matrix: WASTEWATER

(Matrix: WATER)

TESTING
No.0009

Client Sample ID

Unit: mg/L

Sampling Date

Nov 02, 2023 10:00 AM

Method	Testing Lab	Analytes	LOD	LOQ	Unit	Guideline	Result
Chemical Parameters							
EN0045	Bangkok	BOD (5 days at 20°C)	---	2.0	mg/L	≤30	62 *
EN0048	Bangkok	Oil & Grease	---	3	mg/L	≤20	4
EN0021	Bangkok	pH at 25°C	---	1.0	pH Unit	5-9	7.8
EN0032	Bangkok	Sulfides	---	0.5	mg/L	≤1	<0.5 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	42.5 *
Physical and Aggregate Properties							
EN0093	Bangkok	Settleable Solids	---	0.1	mL/L/hr	≤0.5	<0.1 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	---	5	mg/L	≤500	336

Guideline: MNRE 2548 Type B: Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)

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

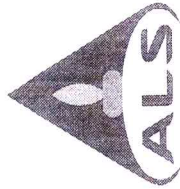
Sampling is not included in scope of accreditation ISO/IEC 17025

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 -----

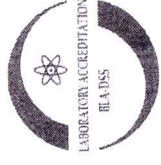


Analysis Report NN2300135

Report Number : NN2300135-AB

Sub-Matrix: WASTEWATER

(Matrix: WATER)



TESTING
No.0009

Client Sample ID		Sampling Date		Guideline		Result	
Client Sample ID		Dec 01, 2023 01:10 PM		NN2300135-002		Result	
Method	Testing Lab	Analytes	LOD	LOQ	Unit	MNRE 2548 Type B	MOPH 1/2550
Chemical Parameters							
EN0045	Bangkok	BOD (5 days at 20°C)	---	2.0	mg/L	≤30	4 *
EN0048	Bangkok	Oil & Grease	---	3	mg/L	≤20	4
EN0021	Bangkok	pH at 25°C	---	1.0	pH Unit	5-9	7.6
EN0032	Bangkok	Sulfides	---	0.5	mg/L	≤1	0.6 *
EN0035	Bangkok	Total Kjeldahl Nitrogen as N	0.15	1.0	mg/L	≤35	46.1 *
Physical and Aggregate Properties							
EN0093	Bangkok	Settleable Solids	---	0.1	mL/L/hr	≤0.5	<0.1 *
EN0099	Bangkok	Total Dissolved Solids at 103-105°C	---	5	mg/L	≤500	344



Accreditation No.1031/47

Sub-Matrix: PROCESS WATER

Client Sample ID

Sampling Date Dec 01, 2023 01:15 PM

Guideline: PWA 2565: Provincial Waterworks Authority on water quality standards

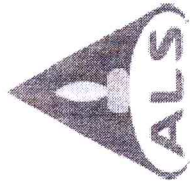
Comment: The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

Key: ° LOD : Limit of Detection

- "L": 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



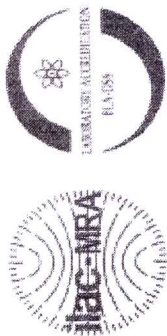
Analysis Report NN2300135

Report Number : NN2300135-AB

Sub-Matrix: PROCESS WATER

(Metric WATER)

TESTING
No.0009



Method		Testing Lab	Analysis	LOD	LOQ	Unit	Guideline		Sampling Date	Client Sample ID	Result
							MINRE 2548 Type B	MOPH 1/2550			
Chemical Parameters											
EN0017	Bangkok	Ammonia Nitrogen	0.02	0.05	mg/L		---	≤20	Dec 01, 2023 01:20 PM	NN2300135-003	Not Detected *
EN0002	Bangkok	Chloride as Cl	0.06	0.2	mg/L		---	≤800			96.9 *
EN0002	Bangkok	Nitrate as N	0.06	0.2	mg/L		---	---			0.5 *
EN0021	Bangkok	pH at 25°C	---	1.0	pH Unit		---	7.2-8.4			7.2 *
EN0041	Bangkok	Total Hardness as CaCO3	---	1	mg/L		---	---			54 *
Microbiological Parameters											
MC6009	Bangkok	Total Coliforms	---	---	MPN/100mL		---	≤10			≤1.1
MC6012	Bangkok	Escherichia coli	---	---	in 100mL		---	Not Detected			Not Detected
MC6021	Bangkok	Fecal Coliforms	---	---	MPN/100mL		---	---			≤1.1
Physical and Appearance Properties											
EN0077	Bangkok	Total Alkalinity as CaCO3	---	1	mg/L		---	80-100			51 *

Guideline: MINRE 2548 Type B; Building: Notification of The Ministry of Natural Resources and Environment on Effluent from building Type B (Guideline for TDS are in addition to the TDS of the water used not more than 500 mg/L)

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)

* Result(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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