

ภาคผนวก ง

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



คุณภาพน้ำทิ้งของโครงการ





บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด (สำนักงานใหญ่) เลขทะเบียนผู้ประกอบการวิเคราะห์เอกชน 318
ตั้งอยู่ 332/173 หมู่ 3 ตำบลขจรกิตติพัฒนา อำเภอเมือง จังหวัดนนทบุรี 11110
เบอร์ติดต่อ 02-156-8273 / 088-2968628 อีเมล tnp.envi@gmail.com
เว็บไซต์ www.tnpenvironment.co.th , Line @ : @tnpleb318 , Facebook.com/Tnp.environment

ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana,
Bangkok. 10110
Sampling Point : Wastewater collect.
GPS. Coordinate : 47 P 671850 E 1517044 N
Sampling Method : Grab Sampling
Sampling By : TNP ENVIRONMENT CO., LTD
Sampling Name : Mr. Wuth Rasmidatta
Customer Code : W67019
Sample No : W67019/1
Sample Type : Wastewater
Sampling Date : July 09, 2024
Received Date : July 10, 2024
Analytical Date : July 09 - 22, 2024
Report Date : July 25, 2024
Sampling Time : 11.34 a.m.

Parameter	Unit	Analytical Method ⁽¹⁾	Result
pH@25 °C	-	Electrometric Method (4500-H ⁺ B)	7.6
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	104
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	97.4
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	3.5
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
Sample Condition		Turbid Yellow, Sediment and Scentless.	

Remark ⁽¹⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.

Miss Amornrat Kanjiak

Analyst



TNP ENVIRONMENT CO., LTD.
บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด

Miss Wilairak Chaisa

Quality Assurance Manager



บริษัท ทีเอ็นพี เอ็นไวรอนเมนต์ จำกัด (สำนักงานใหญ่) เลขทะเบียนก่อตั้งบริษัทการวิเคราะห์เอกชน 2-318
ตั้งอยู่ที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110
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ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110
Sampling Point : Wastewater treatment system. (Effluent)
GPS. Coordinate : 47 P 671867 E 1517035 N
Sampling Method : Grab Sampling
Sampling By : TNP ENVIRONMENT CO., LTD
Sampling Name : Mr. Wuth Rasmidatta
Customer Code : W67019
Sample No : W67019/2
Sample Type : Wastewater
Sampling Date : July 09, 2024
Received Date : July 10, 2024
Analytical Date : July 09 - 22, 2024
Report Date : July 25, 2024
Sampling Time : 11.28 a.m.

Parameter	Unit	Analytical Method ⁽¹⁾	Result	Standard
pH@25 °C	-	Electrometric Method (4500-H ⁺ B)	7.7	5-9
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	37.0	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	59.0	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	3.2	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	54,000	-
Sample Condition		Turbid Yellow, Sediment and Scentless.		

Standard : The Ministry of Natural Resources and the Environment on the standard control standards matters from certain types of building, and some size B.E. 2548 (Building Type n)

Remark ⁽¹⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.

Miss Amornrat Kanjiak

Analyst



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Miss Wilairak Chaisa

Quality Assurance Manager



บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด (สำนักงานใหญ่) เลขทะเบียนห้องปฏิบัติการวิเคราะห์ห้องชนว-318
ตั้งอยู่ที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางพลี จังหวัดสมุทรปราการ 11110
เบอร์ติดต่อ 02-156-8273 / 086-2968628 อีเมล tnp.env@gmail.com
เว็บไซต์ www.tnpenvironment.co.th , Line @ : @tnplab318 , Facebook.com/Tnp.environment

ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana,
Bangkok. 10110
Sampling Point : Before discharging into public sewers.
GPS. Coordinate : 47 P 671818 E 1517000 N
Sampling Method : Grab Sampling
Sampling By : TNP ENVIRONMENT CO., LTD
Sampling Name : Mr. Wuth Rasmidatta
Customer Code : W67019
Sample No : W67019/3
Sample Type : Wastewater
Sampling Date : July 09, 2024
Received Date : July 10, 2024
Analytical Date : July 09 - 22, 2024
Report Date : July 25, 2024
Sampling Time : 11.44 a.m.

Parameter	Unit	Analytical Method ⁽¹⁾	Result	Standard
pH @25 °C	-	Electrometric Method (4500-H ⁺ B)	7.6	5-9
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	77.7	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O ₂ G, 5210 B)	84.0	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	5.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000	-
Sample Condition		Turbid Yellow, Sediment and Scentless.		

Standard : The Ministry of Natural Resources and the Environment on the standard control standards matters from certain types of building, and some size
B.E. 2548 (Building Type n)

Remark ⁽¹⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.


Miss Amornrat Kanjiak
Analyst

Miss Wilairak Chaisa
Quality Assurance Manager



ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit **Customer Code** : W67019
Project Name : Life @ Sukhumvit **Sample No** : W67019/4
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110 **Sample Type** : Tap Water Quality
Sampling Point : Rooftop water Tank **Sampling Date** : July 18, 2024
GPS. Coordinate : 47 P 671861 E 1517038 N **Received Date** : July 19, 2024
Sampling Method : Grab Sampling **Analytical Date** : July 19 – August 06, 2024
Sampling By : TNP ENVIRONMENT CO., LTD **Report Date** : August 09, 2024
Sampling Name : Mr. Wuth Rasmidatta **Sampling Time** : 11.29 a.m.

Parameter	Unit	Analytical Method ⁽³⁾	Result	Standard	
				(1)	(2)
Total Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.1	< 1.1	Not Detected
<i>Escherichia coli</i>	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected	Not Detected
Heterotrophic Bacteria	cfu/mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd Edition, 2017, Part 9215 B	62,000 ⁽⁴⁾	-	< 500
<i>Legionella spp.</i>	/100 mL	ISO 11731: 2017	Not Detected ⁽⁴⁾	-	Not Detected
<i>Pseudomonas aeruginosa</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9213 E	Not Detected ⁽⁴⁾	-	Not Detected
<i>Salmonella spp.</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9274	Not Detected ⁽⁴⁾	-	Not Detected
<i>Staphylococcus aureus</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9213 B	Not Detected ⁽⁴⁾	-	Not Detected
Free Chlorine	mg/L	Photometric, DPD	Less than 0.01 ⁽⁵⁾	-	0.2-2.0
Sample Condition		Clear, No sediment and No smell			

- Standard** ⁽¹⁾ : Announcement of the Department of Health regarding drinking water quality criteria, Department of Health, B.E. 2020
⁽²⁾ : Announcement of the Metropolitan Waterworks Authority regarding tap water quality criteria of Metropolitan waterworks Authority, October B.E. 2020
Remark ⁽³⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.
⁽⁴⁾ : Analyzed by Bureau Veritas AQ Lab (Thailand) Ltd. registration number ๓-313.
⁽⁵⁾ : Analyzed by SGS (Thailand) Co., Ltd. (Rayong Branch) registration number ๓-197.
Less than : Lower than LOQ "Limit of Quantitation" (LOQ Free Chlorine = 0.01)

Miss Amornrat Kanjak
Analyst

TNP ENVIRONMENT CO., LTD
บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด

Miss Wilalak Chalsa
Quality Assurance Manager



ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit **Customer Code** : W67019
Project Name : Life @ Sukhumvit **Sample No** : W67019/4
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110 **Sample Type** : Tap Water Quality
Sampling Point : Resident's room **Sampling Date** : July 18, 2024
GPS. Coordinate : 47 P 671817 E 1517113 N **Received Date** : July 19, 2024
Sampling Method : Grab Sampling **Analytical Date** : July 19 - August 06, 2024
Sampling By : TNP ENVIRONMENT CO., LTD **Report Date** : August 09, 2024
Sampling Name : Mr. Wuth Rasmidatta **Sampling Time** : 11.44 a.m.

Parameter	Unit	Analytical Method ⁽³⁾	Result	Standard	
				(1)	(2)
Total Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.1	< 1.1	Not Detected
<i>Escherichia coli</i>	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected	Not Detected
Heterotrophic Bacteria	cfu/mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd Edition, 2017, Part 9215 B	40 ⁽⁴⁾	-	< 500
<i>Legionella spp.</i>	/100 mL	ISO 11731: 2017	Not Detected ⁽⁴⁾	-	Not Detected
<i>Pseudomonas aeruginosa</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9213 E	Not Detected ⁽⁴⁾	-	Not Detected
<i>Salmonella spp.</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9274	Not Detected ⁽⁴⁾	-	Not Detected
<i>Staphylococcus aureus</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9213 B	Not Detected ⁽⁴⁾	-	Not Detected
Free Chlorine	mg/L	Photometric, DPD	Less than 0.01 ⁽⁵⁾	-	0.2-2.0
Sample Condition		Clear, No sediment and No smell			

Standard ⁽¹⁾ : Announcement of the Department of Health regarding drinking water quality criteria, Department of Health, B.E. 2020
⁽²⁾ : Announcement of the Metropolitan Waterworks Authority regarding tap water quality criteria of Metropolitan waterworks Authority, October B.E. 2020
Remark ⁽³⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.
⁽⁴⁾ : Analyzed by Bureau Veritas AQ Lab (Thailand) Ltd. registration number ๖-313.
⁽⁵⁾ : Analyzed by SGS (Thailand) Co., Ltd. (Rayong Branch) registration number ๖-197.
Less than : Lower than LOQ "Limit of Quantitation" (LOQ Free Chlorine = 0.01)

Miss Amornrat Kanjak
Analyst

TNP ENVIRONMENT CO., LTD.
บริษัท ทีเอ็นพี เอ็นไวรอนเมนต์ จำกัด
Miss Walrak Chalsa
Quality Assurance Manager



บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด (สำนักงานใหญ่) เลขทะเบียนห้องปฏิบัติการวิเคราะห์เลขชว-318
ตั้งอยู่ที่ 332/173 หมู่ 3 ตำบลขจรกิตติพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110
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เว็บไซต์ www.tnpenvironment.co.th , Line @ : @tnplab318 , Facebook.com/Tnp.environment

ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110
Sampling Point : Wastewater collect.
GPS. Coordinate : 47 P 671850 E 1517044 N
Sampling Method : Grab Sampling
Sampling By : TNP ENVIRONMENT CO., LTD
Sampling Name : Mr. Wuth Rasmidatta
Customer Code : W67019
Sample No : W67019/1
Sample Type : Wastewater
Sampling Date : August 06, 2024
Received Date : August 07, 2024
Analytical Date : August 07- 26, 2024
Report Date : August 30, 2024
Sampling Time : 04.16 p.m.

Parameter	Unit	Analytical Method ⁽¹⁾	Result
pH@25 °C	-	Electrometric Method (4500-H ⁺ B)	7.4
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	64.4
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	137
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	3.6
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
Sample Condition		Turbid Yellow, Sediment and Smell.	

Remark ⁽¹⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.


Miss Amornrat Kanjiak
Analyst

TNP ENVIRONMENT CO., LTD.
บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด

Miss Wilairak Chaisa
Quality Assurance Manager



บริษัท ทีเอ็นพี เอ็นไวรอนเมนต์ จำกัด (สำนักงานใหญ่) เลขทะเบียนห้องปฏิบัติการวิเคราะห์เอกสารว-318
ตั้งอยู่ที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110
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เว็บไซต์ www.tnpenvironment.co.th , Line @ : @tnplab318 , Facebook.com/Tnp.environment

ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana,
Bangkok. 10110
Sampling Point : Wastewater treatment system. (Effluent)
GPS. Coordinate : 47 P 671867 E 1517035 N
Sampling Method : Grab Sampling
Sampling By : TNP ENVIRONMENT CO., LTD
Sampling Name : Mr. Wuth Rasmidatta
Customer Code : W67019
Sample No : W67019/2
Sample Type : Wastewater
Sampling Date : August 06, 2024
Received Date : August 07, 2024
Analytical Date : August 07- 26, 2024
Report Date : August 30, 2024
Sampling Time : 04.19 p.m.

Parameter	Unit	Analytical Method ⁽¹⁾	Result	Standard
pH@25 °C	-	Electrometric Method (4500-H ⁺ B)	7.4	5-9
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	33.7	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O ₂ G, 5210 B)	75.0	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	3.2	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	160,000	-
Sample Condition		Turbid Yellow, Sediment and Smell.		

Standard : The Ministry of Natural Resources and the Environment on the standard control standards matters from certain types of building, and some size
B.E. 2548 (Building Type n)

Remark ⁽¹⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.

Miss Amornrat Kanjiak

Analyst



TNP ENVIRONMENT CO.,LTD.

บริษัท ทีเอ็นพี เอ็นไวรอนเมนต์ จำกัด

Miss Wilairak Chaisa

Quality Assurance Manager



บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด (สำนักงานใหญ่) เลขทะเบียนก่อตั้งปฏิบัติการวิเคราะห์เอกสาร-318
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เว็บไซต์ www.tnpenvironment.co.th , Line @ : @tnplab318 , Facebook.com/Tnp.environment

ANALYSIS REPORT

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana,
Bangkok. 10110
Sampling Point : Before discharging into public sewers.
GPS. Coordinate : 47 P 671818 E 1517000 N
Sampling Method : Grab Sampling
Sampling By : TNP ENVIRONMENT CO., LTD
Sampling Name : Mr. Wuth Rasmidatta
Customer Code : W67019
Sample No : W67019/3
Sample Type : Wastewater
Sampling Date : August 06, 2024
Received Date : August 07, 2024
Analytical Date : August 07 - 26, 2024
Report Date : August 30, 2024
Sampling Time : 04.25 p.m.

Parameter	Unit	Analytical Method ⁽¹⁾	Result	Standard
pH@25 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5-9
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	< 5.0	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	< 2.0	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	5.652 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	200	-
Sample Condition		Clear, Sediment and Scentless.		

Standard : The Ministry of Natural Resources and the Environment on the standard control standards matters from certain types of building, and some size
B.E. 2548 (Building Type n)

Remark ⁽¹⁾ : APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 24th ed. Washington, DC: APHA, 2023.

  
Miss Amornrat Kanjiak TNP ENVIRONMENT CO., LTD. Miss Wilairak Chaisa
Analyst บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด Quality Assurance Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
 Project Name : Life @ Sukhumvit
 Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110
 Sampling Point : Wastewater collect.
 GPS. Coordinate : 47 P 671855 E 1517039 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
 Sample No : W67019/1
 Sample Type : Wastewater
 Sampling Date : 18 September 2024
 Sampling Time : 1.53 p.m.
 Received Date : 19 September 2024
 Analytical Date : 19 September-04 October 2024
 Report Date : 04 October 2024

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.4
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	40.1
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	208
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.3
Volume Flow rate	m ³ /s	Flow Meter	8.478 x 10 ⁻⁴
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
Sample Appearance		Yellow/Turbid/ Sediment/Smelly	

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF 24th edition 2023.



Miss Jarawee Aedee
Analyst



TNP ENVIRONMENT CO.,LTD.
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Miss Nuttachai Triprawat
Laboratory Manager



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-1568273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana,
Bangkok. 10110
Sampling Point : Wastewater treatment system. (Effluent)
GPS. Coordinate : 47 P 671864 E 1517038 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/2
Sample Type : Wastewater
Sampling Date : 18 September 2024
Sampling Time : 1.47 p.m.
Received Date : 19 September 2024
Analytical Date : 19 September-04 October 2024
Report Date : 04 October 2024

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	30.1	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	64.8	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.1	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	5.652 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	92,000	-
Sample Appearance		Yellow /Turbid /Sediment/Smelly		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 24th edition 2023.

Miss Jarawee Aedee

Analyst



TNP ENVIRONMENT CO.,LTD.

บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด

Miss Nuttachai Triprawat

Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit

Project Name : Life @ Sukhumvit

Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110

Sampling Point : Before discharging into public sewers.

GPS. Coordinate : 47 P 671815 E 1516990 N

Sampling By : TNP ENVIRONMENT CO., LTD.

Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer : W67019

Code : W67019/3

Sample No : W67019/3

Sample Type : Wastewater

Sampling Date : 18 September 2024

Sampling Time : 2.00 p.m.

Received Date : 19 September 2024

Analytical Date : 19 September-04 October 2024

Report Date : 04 October 2024

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.4	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	11.4	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	4.0	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	35.325 x 10 ⁻³	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	< 1.8	-
Sample Appearance		Clear/ Little Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 24th edition 2023.



Miss Jarawee Aedee
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Miss Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110
Sampling Point : Wastewater collect.
GPS. Coordinate : 47 P 671861 E 1517036 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/1
Sample Type : Wastewater
Sampling Date : 16 October 2024
Sampling Time : 01.28 p.m.
Received Date : 17 October 2024
Analytical Date : 17 October – 07 November 2024
Report Date : 08 November 2024

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.4
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	81.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	97.2
Fat, Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.3
Volume Flow rate	m ³ /s	Flow Meter	5.652 × 10 ⁻⁴
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
Sample Appearance		Yellow/Turbid/ Sediment/Smelly	

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.



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Miss Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana,
Bangkok. 10110
Sampling Point : Wastewater treatment system. (Effluent)
GPS. Coordinate : 47 P 671873 E 1517044 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/2
Sample Type : Wastewater
Sampling Date : 16 October 2024
Sampling Time : 01.34 p.m.
Received Date : 17 October 2024
Analytical Date : 17 October – 07 November 2024
Report Date : 08 November 2024

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	38.7	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	15.7	≤ 20
Fat,Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2,826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	54,000	-
Sample Appearance		Yellow/Turbid/Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 24th edition 2023.



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Miss Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110
Sampling Point : Before discharging into public sewers.
GPS. Coordinate : 47 P 671809 E 1517002 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/3
Sample Type : Wastewater
Sampling Date : 16 October 2024
Sampling Time : 01.41 p.m.
Received Date : 17 October 2024
Analytical Date : 17 October – 07 November 2024
Report Date : 08 November 2024

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.6	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	< 5.0	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	3.4	≤ 20
Fat,Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	< 1.8	-
Sample Appearance		Clear/ Little Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024) , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF 24th edition 2023.



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TNP ENVIRONMENT CO.,LTD.

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Miss Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Bangkok. 10110
Sampling Point : จุดรวบรวมน้ำเสียเข้าระบบบำบัดน้ำเสีย
GPS. Coordinate : 47 P 671861 E 1517036 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/1
Sample Type : Wastewater
Sampling Date : 20 November 2024
Sampling Time : 01.08 p.m.
Received Date : 21 November 2024
Analytical Date : 21 November – 03 December 2024
Report Date : 03 December 2024

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.3
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	30.5
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O _G , 5210 B)	71.0
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0
Volume Flow rate	m ³ /s	Flow Meter	5.652 x 10 ⁻⁴
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
Sample Appearance		Yellow/Turbid/ Sediment/Smelly	

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th edition 2023.



Miss Jarawee Aedee
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TNP ENVIRONMENT CO.,LTD.
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Miss Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea, Watthana, Bangkok. 10110
Sampling Point : จุดระบายน้ำออกจากระบบบำบัดน้ำเสีย
GPS. Coordinate : 47 P 671873 E 1517044 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/2
Sample Type : Wastewater
Sampling Date : 20 November 2024
Sampling Time : 01.14 p.m.
Received Date : 21 November 2024
Analytical Date : 21 November – 03 December 2024
Report Date : 03 December 2024

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.4	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	40.4	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	28.0	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	54,000	-
Sample Appearance		Yellow /Turbid /Sediment/ Smelly		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 24th edition 2023.



Miss Jarawee Aedee
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Miss Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea,
Watthana, Bangkok. 10110
Sampling Point : บ่อพักน้ำทิ้งสุดท้ายของระบบระบายน้ำของโครงการ
GPS. Coordinate : 47 P 671809 E 1517002 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/3
Sample Type : Wastewater
Sampling Date : 20 November 2024
Sampling Time : 01.22 p.m.
Received Date : 21 November 2024
Analytical Date : 21 November – 3 December 2024
Report Date : 03 December 2024

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.2	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	42.3	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	5.8	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	-
Sample Appearance		Yellow/Clear/ Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act,
B.E. 2567 (2024) , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 24th edition 2023.



Miss Jarawee Aedee

Analyst



TNP ENVIRONMENT CO.,LTD.

บริษัท ทีเอ็นพี เอ็นไวรอนเม้นท์ จำกัด



Miss Nuttachai Triprawat

Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
Project Name : Life @ Sukhumvit
Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea,
Bangkok. 10110
Sampling Point : จุดรวบรวมน้ำเสียเข้าระบบบำบัดน้ำเสีย
GPS. Coordinate : 47 P 671860 E 1517039 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
Sample No : W67019/1
Sample Type : Wastewater
Sampling Date : 26 December 2024
Sampling Time : 02.38 p.m.
Received Date : 27 December 2024
Analytical Date : 27 December 2024 – 14 January 2025
Report Date : 14 January 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.7
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	43.6
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O _G , 5210 B)	87.0
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0
Volume Flow rate	m ³ /s	Flow Meter	2.826 × 10 ⁻⁴
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
Sample Appearance		Yellow/Turbid/ Sediment/Smelly	

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th edition 2023.



Miss Jarawee Aedee
Analyst




Mr. Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
 Project Name : Life @ Sukhumvit
 Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea,
 Watthana, Bangkok. 10110
 Sampling Point : จุดระบายน้ำออกจากระบบบำบัดน้ำเสีย
 GPS. Coordinate : 47 P 671873 E 1517038 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
 Sample No : W67019/2
 Sample Type : Wastewater
 Sampling Date : 26 December 2024
 Sampling Time : 02.41 p.m.
 Received Date : 27 December 2024
 Analytical Date : 27 December 2024 – 14 January 2025
 Report Date : 14 January 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.8	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	54.0	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	66.5	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 × 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000	-
Sample Appearance		Yellow /Turbid /Sediment/ Smelly		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 24th edition 2023.



Miss Jarawee Aedee
Analyst




Mr. Nuttachai Triprawat
Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : Juristic person Life @ Sukhumvit
 Project Name : Life @ Sukhumvit
 Address Project : 1451 Sukhumvit Road, Phra Khanong Nuea,
 Watthana, Bangkok. 10110
 Sampling Point : ป่อพักน้ำทิ้งสุดท้ายของระบบระบายน้ำของโครงการ
 GPS. Coordinate : 47 P 671813 E 1516997 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W67019
 Sample No : W67019/3
 Sample Type : Wastewater
 Sampling Date : 26 December 2024
 Sampling Time : 02.47 p.m.
 Received Date : 27 December 2024
 Analytical Date : 27 December 2024 – 14 January 2025
 Report Date : 14 January 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	70.4	≤ 30
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	7.0	≤ 20
Oil and Grease	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Volume Flow rate	m ³ /s	Flow Meter	2.826 x 10 ⁻⁴	-
Fecal Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	3,100	-
Sample Appearance		Yellow/Clear/ Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act,
 B.E. 2567 (2024). , Building type A

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 24th edition 2023.



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Mr. Nuttachai Triprawat

Laboratory Manager