ภาคผนวก ค
รายงานผลการตรวจวัดคุณภาพน้ำ

รายงานผลการตรวจวัดคุณภาพน้ำ
เดือนมกราคม พ.ศ. 2569

UNITED ANALYST AND ENGINEERING CONSULTANT COMPANY LIMITED

United Analyst and Engineering Consultant Co., Ltd.
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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -

SAMPLE TYPE	: EFFLUENT	**RECEIVED DATE**	: JANUARY 9, 2026
SAMPLING DATE	: JANUARY 8, 2026	**ANALYTICAL DATE**	: JANUARY 9-15, 2026
SAMPLING TIME	: 09:22 HOUR	**ISSUE DATE**	: JANUARY 27, 2026
SAMPLING METHOD [c]	: GRAB	**REPORT NO.**	: 2026-U003786
SAMPLING BY [c]	: MR WEERAYUT MOKKAEW	**WORK NO.**	: 2025-009061
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM	**ANALYSIS NO.**	: T26AA262-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AA262-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.6 (27.8°C)	5.5-9.0	-	-
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	36.3	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	37.1	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	468	≤ 1,000	-	25
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	79.2	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	≤ 20	-	3

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NSC-TISI-TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AA262-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			BROWN/TURBID			
SEDIMENT			BLUE			

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

[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

[redacted]

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

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SAMPLING SOURCE : -

SAMPLE TYPE	: EFFLUENT	**RECEIVED DATE**	: JANUARY 9, 2026
SAMPLING DATE	: JANUARY 8, 2026	**ANALYTICAL DATE**	: JANUARY 9-15, 2026
SAMPLING TIME	: 09:35 HOUR	**ISSUE DATE**	: JANUARY 27, 2026
SAMPLING METHOD [c]	: GRAB	**REPORT NO.**	: 2026-U003787
SAMPLING BY [c]	: MR WEERAYUT MOKKAEW	**WORK NO.**	: 2025-009061
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM	**ANALYSIS NO.**	: T26AA262-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AA262-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	8.0 (28.6°C)	5.5-9.0	-	-
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	15.7	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	9.4	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	332	≤ 1,000	-	25
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	2.1	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	25.9	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3

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LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AA262-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			GREY			

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

[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

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(MISS WILAILAK SRISUK)
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LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -

SAMPLE TYPE	: EFFLUENT	**RECEIVED DATE**	: FEBRUARY 5, 2026
SAMPLING DATE	: FEBRUARY 5, 2026	**ANALYTICAL DATE**	: FEBRUARY 5-12, 2026
SAMPLING TIME	: 10:20 HOUR	**ISSUE DATE**	: FEBRUARY 13, 2026
SAMPLING METHOD [c]	: GRAB	**REPORT NO.**	: 2026-U011404
SAMPLING BY [c]	: MR WEERAYUT MOKKAEW	**WORK NO.**	: 2025-009061
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM	**ANALYSIS NO.**	: T26AC297-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AC297-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.3 (29.5°C)	5.5-9.0	-	-
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	27.3	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	55.4	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	502	≤ 1,000	-	25
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	80.4	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3

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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AC297-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	54,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			GREY/TURBID			
SEDIMENT			GREY			

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

[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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LABORATORY SUPERVISOR

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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -

SAMPLE TYPE	: EFFLUENT	**RECEIVED DATE**	: FEBRUARY 5, 2026
SAMPLING DATE	: FEBRUARY 5, 2026	**ANALYTICAL DATE**	: FEBRUARY 5-12, 2026
SAMPLING TIME	: 10:00 HOUR	**ISSUE DATE**	: FEBRUARY 13, 2026
SAMPLING METHOD [c]	: GRAB	**REPORT NO.**	: 2026-U011405
SAMPLING BY [c]	: MR WEERAYUT MOKKAEW	**WORK NO.**	: 2025-009061
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM	**ANALYSIS NO.**	: T26AC297-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AC297-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.8 (30.6°C)	5.5-9.0	-	-
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	26.2	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	12.6	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	459	≤ 1,000	-	25
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	0.54	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	38.6	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ปอพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AC297-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			GREY/CLEAR			
SEDIMENT			GREY			

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

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เดือนมีนาคม พ.ศ. 2569

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ANALYSIS REPORT

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SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MARCH 5, 2026
SAMPLING TIME : 09:30 HOUR
SAMPLING METHOD [c] : GRAB
SAMPLING BY [c] : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : MARCH 5, 2026
ANALYTICAL DATE : MARCH 5-12, 2026
ISSUE DATE : MARCH 16, 2026
REPORT NO. : 2026-U019167
WORK NO. : 2025-009061
ANALYSIS NO. : T26AE462-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AE462-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.4 (31.6°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	20.8	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	20.5	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	500	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	79.2	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	22,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BLACK			

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

[redacted]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

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NSC-TISI-TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -

SAMPLE TYPE	: EFFLUENT	**RECEIVED DATE**	: MARCH 5, 2026
SAMPLING DATE	: MARCH 5, 2026	**ANALYTICAL DATE**	: MARCH 5-12, 2026
SAMPLING TIME	: 09:20 HOUR	**ISSUE DATE**	: MARCH 16, 2026
SAMPLING METHOD [c]	: GRAB	**REPORT NO.**	: 2026-U019168
SAMPLING BY [c]	: MR WEERAYUT MOKKAEW	**WORK NO.**	: 2025-009061
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM	**ANALYSIS NO.**	: T26AE462-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AE462-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.7 (31.9°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	21.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	6.0	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	443	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	27.3	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3

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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ปอพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AE462-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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(MISS CHAWEEWAN BOONLA)
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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 9, 2026
SAMPLING TIME : 09:50 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 9, 2026
ANALYTICAL DATE : APRIL 9-22, 2026
ISSUE DATE : APRIL 24, 2026
REPORT NO. : 2026-U032428
WORK NO. : 2025-009061
ANALYSIS NO. : T26AH789-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AH789-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.3 (33.5°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	36.9	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	29.9	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	426	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	73.8	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	13,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

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(MISS CHAWEEWAN BOONLA)
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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 9, 2026
SAMPLING TIME : 09:40 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 9, 2026
ANALYTICAL DATE : APRIL 9-22, 2026
ISSUE DATE : APRIL 24, 2026
REPORT NO. : 2026-U032429
WORK NO. : 2025-009061
ANALYSIS NO. : T26AH789-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AH789-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.6 (35.0°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	22.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	10.2	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	421	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	27.2	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	92,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			GREY			

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

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(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MAY 14, 2026
SAMPLING TIME : 09:30 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : MAY 14, 2026
ANALYTICAL DATE : MAY 14-22, 2026
ISSUE DATE : MAY 25, 2026
REPORT NO. : 2026-U043058
WORK NO. : 2025-009061
ANALYSIS NO. : T26AK388-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AK388-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.1 (33.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	13.4	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	16.9	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	518	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	70.8	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	54,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -

SAMPLE TYPE	: EFFLUENT	**RECEIVED DATE**	: MAY 14, 2026
SAMPLING DATE	: MAY 14, 2026	**ANALYTICAL DATE**	: MAY 14-22, 2026
SAMPLING TIME	: 09:20 HOUR	**ISSUE DATE**	: MAY 25, 2026
SAMPLING METHOD	: GRAB, GRAB AND STERILE TECHNIQUE	**REPORT NO.**	: 2026-U043060
SAMPLING BY	: MR WEERAYUT MOKKAEW	**WORK NO.**	: 2025-009061
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM	**ANALYSIS NO.**	: T26AK388-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AK388-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.6 (32.5°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	6.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	28.5	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	484	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	40.0	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
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(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

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NSC-TISI-TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

CUSTOMER NAME : NATIONAL HOUSING AUTHORITY
ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JUNE 11, 2026
SAMPLING TIME : 09:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MISS NATCHA TAWPAP
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JUNE 11, 2026
ANALYTICAL DATE : JUNE 11-19, 2026
ISSUE DATE : JUNE 23, 2026
REPORT NO. : 2026-U054377
WORK NO. : 2025-009061
ANALYSIS NO. : T26AM926-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณหลังผ่านระบบบำบัดน้ำเสียส่วนกลาง T26AM926-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.4 (32.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	12.3	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	8.6	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	569	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	64.0	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	54,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

[a] : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)
[b] : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)
[c] : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

[redacted]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

ISO 9001:2015 CERTIFIED
ISO 14001:2015 CERTIFIED
ISO 45001:2018 CERTIFIED

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NSC -TISI -TIS 17025 TESTING 0207

LABORATORY ACCREDITATION BLA-DSS TESTING No. 0063

ANALYSIS REPORT

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ADDRESS : 905 KHLONG CHAN BANG KAPI BANGKOK 10240
CONTACT INFORMATION : TEL : 08 1935 3678 e-mail : panuwat_tho@nha.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JUNE 11, 2026
SAMPLING TIME : 08:55 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MISS NATCHA TAWPAP
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JUNE 11, 2026
ANALYTICAL DATE : JUNE 11-19, 2026
ISSUE DATE : JUNE 23, 2026
REPORT NO. : 2026-U054378
WORK NO. : 2025-009061
ANALYSIS NO. : T26AM926-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT บ่อพักน้ำทิ้งบริเวณก่อนระบายออกจากพื้นที่โครงการ T26AM926-0002	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH[a]	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H^+ B AND 1060 B	7.7 (33.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND[a]	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	13.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS[a]	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	8.2	≤ 40	-	5.0
TOTAL DISSOLVED SOLIDS[b]	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	350	≤ 1,000	-	25
SETTLEABLE SOLIDS[c]	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE[b]	mg/L	IODOMETRIC METHOD (SM: PART 4500-S^{2-} F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN[b]	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	18.7	≤ 35	1.5	5.0
OIL AND GREASE[a]	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORMS[b]	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

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