ภาคผนวก ค-4

คุณภาพน้ำเสีย/น้ำทิ้ง

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601118

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งของโรงงานที่เปิดดำเนินการ (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 12:31 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01131

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	26.3
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[2/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	10
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	486
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	19.0
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601119

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งในระบบบำบัดน้ำเสียทางเคมีของโรงงานที่อาจมีน้ำเสียเคมีปนเปื้อน (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 12:32 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01132

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.2
Conductivity	µS/cm	APHA, AWWA Part 2510(B) 24th	-	-	1,120
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Barium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 1.0	0.20
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW Part 3125	< 0.001	≤ 0.005	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Selenium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.02	ND
- Silver[2/]	mg/L	SMWW Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601120

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 1:09 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01133

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	26.4
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	8
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	236
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	99.5
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	130
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	128
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	0.006
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.10
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.64
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.712
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601120

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 12:35 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01133

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601120

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 1:09 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01133

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
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TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601121

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 12:52 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01134

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.5
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	26.3
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	199
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	19.2
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	41
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	39
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.09
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.36
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.521
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601121

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 12:52 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01134

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601121

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 12:52 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01134

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/1/2026 - 12/2/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
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TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602188

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งของโรงงานที่เปิดดำเนินการ (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 8:45 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02143

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.4
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	28.9
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[2/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	12
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	446
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	12.8
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602189

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งในระบบบำบัดน้ำเสียทางเคมีของโรงงานที่อาจมีน้ำเสียเคมีปนเปื้อน (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 8:44 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02144

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.5
Conductivity	µS/cm	APHA, AWWA Part 2510(B) 24th	-	-	976
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Barium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 1.0	0.16
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Selenium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.02	ND
- Silver[2/]	mg/L	SMWW Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602190

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 9:48 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02145

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.5
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	29.0
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	227
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	92.5
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	83
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	80
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.13
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.92
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.698
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602190

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 8:48 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02145

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602190

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 9:48 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02145

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602191

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 11:06 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02146

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.7
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	29.3
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	7
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	184
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	11.8
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	37
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	37
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.09
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.92
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.724
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602191

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 11:06 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02146

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602191

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 11:06 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02146

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 25/2/2026 - 7/3/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
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TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603133

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งของโรงงานที่เปิดดำเนินการ (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 2:21 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03034

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	31.6
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[2/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	4
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	480
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	10.8
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by GEM Environmental Management Co., Ltd. Register No. จ-346

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603134

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งในระบบบำบัดน้ำเสียทางเคมีของโรงงานที่อาจมีน้ำเสียเคมีปนเปื้อน (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 2:29 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03035

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.4
Conductivity	µS/cm	APHA, AWWA Part 2510(B) 24th	-	-	1,030
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Barium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 1.0	0.22
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Selenium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.02	ND
- Silver[2/]	mg/L	SMWW Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603135

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:10 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03036

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	30.4
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	10
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	276
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	12.4
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	25
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	25
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	0.008
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.12
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.92
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.731
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603135

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 12:33 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03036

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603135

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:10 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03036

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603136

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:16 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03037

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	30.0
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	8
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	211
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	9.6
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	17
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	18
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.11
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.64
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.618
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603136

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:16 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03037

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 10/4/2026 **Report No. :** 2603136

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:16 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03037

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 31/3/2026 - 10/4/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604107

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งของโรงงานที่เปิดดำเนินการ (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 10:32 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04104

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.4
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	31.5
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[2/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	8
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	416
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	7.5
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by GEM Environmental Management Co., Ltd. Register No. จ-346

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604108

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งในระบบบำบัดน้ำเสียทางเคมีของโรงงานที่อาจมีน้ำเสียเคมีปนเปื้อน (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 10:36 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04105

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.5
Conductivity	µS/cm	APHA, AWWA Part 2510(B) 24th	-	-	451
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Barium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 1.0	0.18
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	0.01
- Trivalent chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.005	≤ 0.75	0.034
- Hexavalent Chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Selenium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.02	ND
- Silver[2/]	mg/L	SMWW Part 3125	< 0.005	≤ 1.0	0.016
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
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TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604109

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:39 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04106

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.1
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	31.6
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	398
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	6.4
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	12
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	10
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	0.007
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.12
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.64
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.894
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604109

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 11:29 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04106

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	0.02
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	0.013
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604109

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:39 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04106

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604110

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 11:06 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04107

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.4
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	32.6
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	7
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	316
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	< 5.0
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	11
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	10
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.11
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.36
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.57
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604110

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 11:06 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04107

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	0.017
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	0.008
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604110

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 11:06 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04107

Sample Description : Yellow Liqiud, Sediment **Analytical Date :** 24/4/2026 - 5/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
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TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605040

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งของโรงงานที่เปิดดำเนินการ (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 9:14 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05047

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	27.3
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[2/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	5
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	314
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	30.4
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0

End of Report

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by GEM Environmental Management Co., Ltd. Register No. จ-346

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
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TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605041

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งในระบบบำบัดน้ำเสียทางเคมีของโรงงานที่อาจมีน้ำเสียเคมีปนเปื้อน (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 9:17 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05048

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.4
Conductivity	µS/cm	APHA, AWWA Part 2510(B) 24th	-	-	552
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Barium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 1.0	0.11
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	< 0.01
- Trivalent chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Selenium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.02	ND
- Silver[2/]	mg/L	SMWW Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605042

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 8:41 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05049

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	29.2
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	7
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	337
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	16.0
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	13
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	12
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	0.007
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.13
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.64
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.635
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605042

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 8:41 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05049

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	< 0.01
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605042

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 8:41 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05049

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605043

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 8:52 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05050

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	≤ 40	30.2
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 120	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 20	4
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	366
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 50	10.2
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 5	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 300	< 10
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 300	< 10
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.09
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.001
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.38
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	-	0.558
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	-	< 0.01

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. จ-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. จ-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. จ-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605043

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 8:52 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05050

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.005	≤ 0.75	< 0.005
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	< 0.001
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	< 0.005
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

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TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605043

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 8:52 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05050

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 9/5/2026 - 18/6/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606098

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งของโรงงานที่เปิดดำเนินการ (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 2:00 PM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006091

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	6.3
Temperature	°C	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	32.7
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[2/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	2
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	364
Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	5.8
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0

End of Report

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606099

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อตรวจคุณสมบัติน้ำทิ้งในระบบบำบัดน้ำเสียทางเคมีของโรงงานที่อาจมีน้ำเสียเคมีปนเปื้อน (พิกัด UTM : 47Q 503822E, 2056607N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 2:05 PM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006092

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	6.4
Conductivity	µS/cm	APHA, AWWA Part 2510(B) 24th	-	-	586
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Barium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 1.0	0.15
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	0.01
- Trivalent chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.001	≤ 0.75	0.029
- Hexavalent Chromium[2/]	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW Part 3125	< 0.001	≤ 0.005	0.013
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Selenium	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.02	ND
- Silver[2/]	mg/L	SMWW Part 3125	< 0.005	≤ 1.0	0.020
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

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TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606100

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 8:40 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006093

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	7.1
Temperature	°C	APHA, AWWA Part 2500(B) 23rd	-	≤ 45	29.4
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 750	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 500	3
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	313
Total Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 200	17.1
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 10	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	< 10
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 600	< 10
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.02
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.02
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.92
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	≤ 5	0.611
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	≤ 30	< 0.01

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606100

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 8:40 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006093

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	0.01
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.001	≤ 0.75	0.001
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	0.001
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

ND = Not Detected

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606100

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อก่อนเข้าระบบบำบัดน้ำเสียส่วนกลาง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 8:40 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006093

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Industrial Estate Authority of Thailand No. 029/2567 (2024) Regarding General Standards for Wastewater Discharge into Central Wastewater Treatment Systems in Industrial Estates.

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

Report results refer to tested parameter(s) of submitted sample(s) only. Do not copy partial of this tested report without laboratory approval.

SP Environmental Development Co.,Ltd.
69/1 Moo 1 Bo Kwang Thong, Bo Thong District, Chon Buri 20270, Thailand
Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606101

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 8:50 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006094

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.5 - 9.0	8.2
Temperature	°C	APHA, AWWA Part 2500(B) 23rd	-	≤ 40	29.6
Chemical Oxygen Demand	mg/L	APHA, AWWA Part 5220(C) 23rd	< 40.0	≤ 120	< 40.0
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 20	3
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	≤ 3,000	322
Total Suspended Solids	mg/L	APHA, AWWA Part 2540(D) 23rd	< 5.0	≤ 50	12.8
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	≤ 5	< 3.0
Color @Original pH	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 300	< 10
Color @pH7	ADMI	APHA, AWWA Part 2120(F) 24th	< 10	≤ 300	< 10
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	≤ 1	< 0.10
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.2	< 0.005
Formaldehyde[3/]	mg/L	ASTM: D 6303-98, 1998	-	≤ 1	0.02
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 1	< 0.02
Chlorine (Free)[4/]	mg/L	SMWW.Part 4500-Cl (G)	< 0.01	≤ 1	< 0.01
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	≤ 100	3.92
Fluoride[2/]	mg/L	SMWW.Part 4500-F^- (D)	-	-	0.654
Surfactant[2/]	mg/L	SMWW.Part 5540 (C)	< 0.01	-	< 0.01

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

[4/] Analysis by GEM Environmental Management Co., Ltd. Register No. ว-346

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TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606101

Customer Name : World Industrial Estate (Lamphun)

Customer Address : Moo 13, Makheua Chae Subdistrict, Mueang Lamphun District, Lamphun Province 51000, Thailand.

Sample Name : บ่อพักน้ำสุดท้ายก่อนระบายลงสู่แม่น้ำกวง (พิกัด UTM : 47Q 503703E, 2056570N)

Sampling Type : Wastewater **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 8:50 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006094

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Heavy Metals					
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.25	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.03	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 2.0	ND
- Trivalent Chromium[2/]	mg/L	Calculation Method	< 0.001	≤ 0.75	0.002
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.25	< 0.01
- Iron	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	-	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.2	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.005	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	ND
- Silver[2/]	mg/L	SMWW.Part 3125	< 0.005	≤ 1.0	0.046
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 5.0	ND

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[2/] Analysis by Global Utilities Service Co.,Ltd. Register No. ว-079

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TESTING REPORT

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Sampling Date : 12/6/2026 **Sampling Time :** 8:50 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW006094

Sample Description : Yellow Liquid, Sediment **Analytical Date :** 13/6/2026 - 13/7/2026

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]	Results
Pesticides[3/]					
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	Not Detected	ND

End of Report

Remark :

[1/] Announcement of the Ministry of Natural Resources and Environment Regarding the Establishment of Standards for Controlling Wastewater Discharge from Industrial Plants, Industrial Estates, and Industrial Zones, B.E. 2559 (2016).

[3/] Analysis by Test Tech Co.,Ltd. Register No. ว-245

ND = Not Detected

Tested by _____
Miss.Jiraporn Boonmee
Laboratory Technician

Approved by _____
Miss.Athithaya Rakbuathong
Laboratory Specialist

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