ภาคผนวก ค-3

คุณภาพน้ำผิวดิน

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. :** 2601114

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 2:26 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01127

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	30.6
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	3.0
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	221
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	1,360
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	400
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.280
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.56
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	2.8
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.10
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 2:26 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01127

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

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Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01127

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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TESTING REPORT

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Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 2:00 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01128

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	28.6
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	1.2
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	5
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	218
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	900
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	180
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.300
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.56
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	2.80
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.09
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

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

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Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

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Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/1/2026 **Sampling Time :** 2:00 PM **Received Date :** 31/1/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01128

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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TESTING REPORT

Report Date : 16/2/2026 **Report No. :** 2601116

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW01129

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.4
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	2.0
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	210
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	1,360
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	400
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.230
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.11
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

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[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW01129

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2601116

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW01129

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2601117

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

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

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01130

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.5
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	31.2
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.4
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	4
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	235
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	900
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	180
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.440
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.08
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

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

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. :** 2601117

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

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

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01130

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2601117

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

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

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW01130

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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 : 11/3/2026 **Report No. :** 2602184

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:31 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02139

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.5
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.8
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.2
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	4
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	180
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	6,600
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	1,400
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.240
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.07
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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. :** 2602184

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:31 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02139

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2602184

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:31 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02139

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.
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Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602185

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:18 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02140

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.4
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.2
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	8
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	176
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	4,600
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	1,100
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.240
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.10
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

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

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. :** 2602185

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:18 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02140

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2602185

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:18 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02140

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/] Class 3	Standard[1/] Class 4	Results
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2602186

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW02141

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.6
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	3.1
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	5
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	185
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	900
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	360
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.230
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.09
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

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

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. :** 2602186

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW02141

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

ND = Not Detected

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TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602186

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW02141

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.
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TESTING REPORT

Report Date : 11/3/2026 **Report No. :** 2602187

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:54 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02142

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.2
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	3.9
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	2
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	188
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	4,600
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	1,100
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.230
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.11
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

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

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. :** 2602187

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:54 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02142

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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ND = Not Detected

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TESTING REPORT

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Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 24/2/2026 **Sampling Time :** 10:54 AM **Received Date :** 25/2/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW02142

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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 : 10/4/2026 **Report No. :** 2603129

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:43 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03030

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.6
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	30.6
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.3
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	207
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	2,200
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	930
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.300
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.56
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	2.80
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.09
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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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. :** 2603129

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:43 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03030

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2603129

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:43 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03030

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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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. :** 2603130

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:28 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03031

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.4
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	30.2
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.1
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	2
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	242
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	1,860
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	360
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.220
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.08
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2603130

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:28 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03031

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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. :** 2603130

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:28 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03031

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2603131

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW03032

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.4
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	31.4
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.1
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	230
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	360
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	180
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.280
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.12
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2603131

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW03032

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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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. :** 2603131

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW03032

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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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. :** 2603132

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:20 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03033

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.4
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.7
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.3
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	5
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	216
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	360
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	180
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.240
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.10
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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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. :** 2603132

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:20 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03033

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2603132

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 30/3/2026 **Sampling Time :** 1:20 PM **Received Date :** 31/3/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW03033

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604103

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:06 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04100

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	7.7
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.8
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.8
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	6
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	116
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	13,000
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	1,150
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.440
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.08
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604103

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:06 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04100

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604103

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:06 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04100

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604104

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 8:46 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04101

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	7.5
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.6
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.6
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	5
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	94.0
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	32,000
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	3,500
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.270
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.12
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604104

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 8:46 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04101

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604104

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 8:46 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04101

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604105

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW04102

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	7.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	31.7
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.1
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	4
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	102
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	42,000
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	3,500
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.270
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.12
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604105

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW04102

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604105

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **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 :** WW04102

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604106

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:58 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04103

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	7.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	30.2
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	5.0
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	8
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	156
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	11,000
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	1,050
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.530
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.11
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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TESTING REPORT

Report Date : 5/6/2026 **Report No. :** 2604106

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:58 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04103

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2604106

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 23/4/2026 **Sampling Time :** 9:58 AM **Received Date :** 24/4/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW04103

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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 : 19/6/2026 **Report No. :** 2605036

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 1:56 PM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05043

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.7
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.5
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	8
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	160
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	6,400
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	1,500
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.310
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.08
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2605036

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 1:56 PM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05043

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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TESTING REPORT

Report Date : 19/6/2026 **Report No. :** 2605036

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 1:56 PM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05043

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[3/] Analysis by Test Tech Co.,Ltd. Register No. จ-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. :** 2605037

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 1:26 PM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05044

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	28.7
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	1.9
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	< 2.0	≤ 2.0	≤ 4.0	10
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	176
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	34,000
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	7,000
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.170
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.11
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2605037

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 1:26 PM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05044

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2605037

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 1:26 PM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05044

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[3/] Analysis by Test Tech Co.,Ltd. Register No. จ-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. :** 2605038

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 11:13 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05045

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.2
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.4
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	1.8
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	< 2.0	≤ 2.0	≤ 4.0	14
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	154
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	44,000
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	9,400
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.280
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.10
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2605038

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 11:13 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05045

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2605038

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 11:13 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05045

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[3/] Analysis by Test Tech Co.,Ltd. Register No. จ-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 : 19/6/2026 **Report No. :** 2605039

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 11:51 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05046

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.3
Temperature	℃	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	30.2
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	4.2
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	< 2.0	≤ 2.0	≤ 4.0	8
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	226
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	9,800
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	2,600
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.400
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.12
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2605039

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 11:51 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05046

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	0.02
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	0.08
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	< 0.001

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2605039

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 8/5/2026 **Sampling Time :** 11:51 AM **Received Date :** 9/5/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW05046

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[3/] Analysis by Test Tech Co.,Ltd. Register No. จ-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. :** 2606094

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 11:51 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06087

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.2
Temperature	°C	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	28.9
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	5.6
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	-	≤ 2.0	≤ 4.0	10
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	168
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	8,500
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	1,200
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	1.10
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.56
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.08
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.05
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2606094

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 11:51 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06087

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

ND = Not Detected

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Accuracy & Precision Are The Foundation Of Sustainable Achievement

TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606094

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศเหนือของแม่น้ำกวงห่างจากโครงการ 1.1 กิโลเมตร (UTM : 47Q 504614E, 2057619N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 11:51 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06087

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2606095

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 11:20 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06088

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.1
Temperature	°C	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.0
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	5.4
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	< 2.0	≤ 2.0	≤ 4.0	9
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	199
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	2,200
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	830
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.10
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.02
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2606095

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 11:20 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06088

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/] Class 3	Standard[1/] Class 4	Results
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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.

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TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606095

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศตะวันตกเฉียงเหนือของแม่น้ำกวงห่างจากโครงการ 1.0 กิโลเมตร (UTM : 47Q 503123E, 2057781N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 11:20 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06088

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606096

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 9:38 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06089

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.2
Temperature	°C	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	29.6
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	5.5
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	< 2.0	≤ 2.0	≤ 4.0	10
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	167
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	4,400
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	920
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.60
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	1.12
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.64
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.09
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2606096

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 9:38 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06089

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/] Class 3	Standard[1/] Class 4	Results
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

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

ND = Not Detected

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TESTING REPORT

Report Date : 13/7/2026 **Report No. :** 2606096

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณจุดทิ้งน้ำของโครงการ (UTM : 47Q 503491E, 2056639N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 9:38 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06089

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/] Class 3	Standard[1/] Class 4	Results
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2606097

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 10:47 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06090

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
pH	-	APHA, AWWA Part 4500-H^+ B 23rd	-	5.0 - 9.0	5.0 - 9.0	6.2
Temperature	°C	APHA, AWWA Part 2500(B) 23rd	-	n'	n'	28.9
Dissolved Oxygen	mg/L	APHA, AWWA Part 4500-O(G) 24th	-	≥ 4.0	≥ 2.0	5.1
Color and Odor	-	APHA, AWWA Part 2120(C) & 2150(B) 24th	-	n	n	Not Objectionable
Biochemical Oxygen Demand[4/]	mg/L	SMWW.Part 5210 B, 4500-O (C)	< 2.0	≤ 2.0	≤ 4.0	9
Total Dissolved Solids	mg/L	APHA, AWWA Part 2540(C) 23rd	< 50.0	-	-	183
Oil and Grease	mg/L	APHA, AWWA Part 5520(B) 23rd	< 3.0	-	-	< 3.0
Hydrogen Sulfide[2/]	mg/L	SMWW.Part 4500-S^{2-} (D)	< 0.10	-	-	< 0.10
Total Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 20,000	-	34,000
Fecal Coliform Bacteria[2/]	MPN/100mL	SMWW.Part 9221(B)	-	≤ 4,000	-	9,400
Nitrogen (Nitrate)[4/]	mg/L	EPA Method 352.1	-	≤ 5.0	≤ 5.0	0.92
Nitrogen (Ammonia)[4/]	mg/L	SMWW.Part 4500-NH_3 (B,C)	-	≤ 0.5	≤ 0.5	0.84
Total Kjeldahl Nitrogen[4/]	mg/L	SMWW.Part 4500-N_{org} (B)	-	-	-	3.36
Hydrogen Cyanide[3/]	mg/L	SMWW.Part 4500-CN^- (C,E)	< 0.005	≤ 0.005	≤ 0.005	< 0.005
Formaldehyde[3/]	mg/L	ASTM:D 6303-98, 1998	-	-	-	0.05
Phenol[3/]	mg/L	SMWW.Part 5530 (C)	< 0.001	≤ 0.005	≤ 0.005	< 0.001

Remark :

n = naturally

n' = naturally but changing by no more than 3 °C

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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 : 13/7/2026 **Report No. :** 2606097

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 10:47 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06090

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/]		Results
				Class 3	Class 4	
Heavy Metals						
- Arsenic	mg/L	APHA, AWWA Part 3120(B) 24th	< 0.01	≤ 0.01	≤ 0.01	ND
- Cadmium	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Copper	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Lead	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.05	≤ 0.05	ND
- Manganese	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Nickel	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 0.1	≤ 0.1	ND
- Zinc	mg/L	APHA, AWWA Part 3120(B) 23rd	< 0.01	≤ 1.0	≤ 1.0	ND
- Hexavalent Chromium[2/]	mg/L	SMWW.Part 3500-Cr (B)	< 0.01	≤ 0.05	≤ 0.05	< 0.01
- Mercury[2/]	mg/L	SMWW.Part 3125	< 0.001	≤ 0.002	≤ 0.002	ND

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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. :** 2606097

Customer Name : World Industrial Estate (Lamphun)

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

Sample Name : บริเวณทางทิศใต้ของแม่น้ำกวงห่างจากโครงการ 1.7 กิโลเมตร (UTM : 47Q 502292E, 2054900N)

Sampling Type : Surface Water **Sampling Method :** Grab Sampling

Sampling Date : 12/6/2026 **Sampling Time :** 10:47 AM **Received Date :** 13/6/2026

Sampling By : Miss.Tanakarn Mongkolserm **Sample Code :** WW06090

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

Parameters	Unit	Test Method	Limit of Quantitation	Standard[1/] Class 3	Standard[1/] Class 4	Results
Pesticides[3/]						
- alpha-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.02	≤ 0.02	ND
- gamma-BHC (Lindane)	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- beta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- delta-BHC	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Heptachlor	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Heptachlor epoxide	µg/L	SMWW Part 6410B 23rd	-	≤ 0.2	≤ 0.2	ND
- Aldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- cis-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan I	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Trans-Chlordane	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDE	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Dieldrin	µg/L	SMWW Part 6410B 23rd	-	≤ 0.1	≤ 0.1	ND
- Endrin	µg/L	SMWW Part 6410B 23rd	-	Not Detected	Not Detected	ND
- Endosulfan II	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDD	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endrin aldehyde	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- Endosulfan sulfate	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND
- 4,4-DDT	µg/L	SMWW Part 6410B 23rd	-	≤ 0.05	≤ 0.05	ND

End of Report

Remark :

[1/] Notification of the National Environment Board No.8, B.E.2537 (1994), issued under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992) concerning the determination of water quality standards in surface water sources.

[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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