

ภาคผนวก ค

รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม



Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด



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Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

Page 1 of 3

TEST REPORT

Analysis No. : R23-0127

Received Date: 16/01/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอัญธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงดอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 25/01/23

Analysis Date : 13-23/01/23

Job No. : S660070/Jan

Sampling Date * : 13/01/23

Sampling By * : TET

Type of Sample : Wastewater

Sample Conditions : 2301-WW0268 = yellow turbid/high black sediment/covered with oil slick/smell, Flow Rate = 2,917 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2301-WW0268		
				น้ำเสียก่อนเข้าระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	7.83	5.5-9.0	13/01/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	26.9	200	18/01/23
3	DO *	mg/L	Membrane Electrode (SM 4500 G)	0.82	-	13/01/23
4	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	58	500	18-23/01/23
5	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	195	750	18/01/23

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำเสียก่อนเข้าระบบบำบัดฯ = 47P 0684568 UTM 1513646

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Industrial Estate Authority of Thailand No. 76/2017 (B.E. 2560)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

25/01/23



Approved by

Mrs. Porntip Pethshee

Laboratory Manager

25/01/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด



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TEST REPORT

Analysis No. : R23-0288

Received Date: 03/02/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอัญธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 14/02/23

Analysis Date : 02-08/02/23

Job No. : S660070/Feb

Sampling Date * : 02/02/23

Sampling By * : TET

Type of Sample : Wastewater

Sample Conditions : 2302-WW0094 = yellow turbid/high black sediment/covered with oil slick/smell, Flow Rate = 3,018 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2302-WW0094		
				น้ำเสียก่อนเข้าระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	8.00	5.5-9.0	02/02/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	23.2	200	08/02/23
3	DO *	mg/L	Membrane Electrode (SM 4500 G)	1.76	-	02/02/23
4	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	56	500	03-08/02/23
5	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	164	750	07/02/23

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำเสียก่อนเข้าระบบบำบัดฯ = 47P 0684568 UTM 1513646

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Industrial Estate Authority of Thailand No. 76/2017 (B.E. 2560)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

14/02/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

14/02/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด



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Page 1 of 3

TEST REPORT

Analysis No. : R23-0747

Received Date: 13/03/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอู่ธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 22/03/23

Analysis Date : 10-20/03/23

Job No. : S660070/Mar

Sampling Date * : 10/03/23

Sampling By * : TET

Type of Sample : Wastewater

Sample Conditions : 2303-WW0338 = yellow turbid/high black sediment/covered with oil slick/smell, Flow Rate = 3,039 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2303-WW0338		
				น้ำเสียก่อนเข้าระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	7.17	5.5-9.0	10/03/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	23.6	200	15/03/23
3	DO *	mg/L	Membrane Electrode (SM 4500 G)	1.68	-	10/03/23
4	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	10	500	15-20/03/23
5	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	108	750	15/03/23

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำเสียก่อนเข้าระบบบำบัดฯ = 47P 0684568 UTM 1513646

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Industrial Estate Authority of Thailand No. 76/2017 (B.E. 2560)

Reviewed by

Ms. Wareerut Prachundaeng

Chief of Laboratory

22.03.23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

22.03.23

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TEST REPORT

Analysis No. : R23-1031

Report Date : 20/04/23

Received Date: 07/04/23

Analysis Date : 06-12/04/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660070/Apr

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

Sampling Date * : 06/04/23

โครงการนิคมอุตสาหกรรมอัญธานี

Sampling By * : TET

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Type of Sample : Wastewater

Contact : Tel. (02) 727 0190

Sample Conditions : 2304-WW0141 = yellow turbid/high black sediment/covered with oil slick/smell, Flow Rate = 2,226 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2304-WW0141		
				น้ำเสียก่อนเข้าระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	7.73	5.5-9.0	06/04/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	31.1	200	10/04/23
3	DO *	mg/L	Membrane Electrode (SM 4500 G)	1.12	-	06/04/23
4	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	39	500	07-12/04/23
5	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	130	750	10/04/23

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

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Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Industrial Estate Authority of Thailand No. 76/2017 (B.E. 2560)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

20 / 04 / 23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

20 / 04 / 23

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Page 2 of 5

TEST REPORT

Analysis No. : R23-1396

Received Date: 11/05/23

Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)
โครงการนิคมอุตสาหกรรมอัญธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 23/05/23

Analysis Date : 10-16/05/23

Job No. : S660070/May

Sampling Date * : 10/05/23

Sampling By * : TET

Type of Sample : Wastewater

Sample Conditions : 2305-WW0243 = yellow turbid/high black sediment/covered with oil slick/smell, Flow Rate = 2,910 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2305-WW0243		
				น้ำเสียก่อนเข้าระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	7.62	5.5-9.0	10/05/23
2	Colour (Original pH) *	ADMI	} ADMI Weighted-Ordinate Spectrophotometric Method (SM 2120 F)	43	600	12/05/23
	Colour (pH 7) *	ADMI		31	600	12/05/23
3	TSS	mg/L		67.0	200	12/05/23
4	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	842	3,000	16/05/23
5	DO *	mg/L	Membrane Electrode (SM 4500 G)	3.73	-	10/05/23
6	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	16	500	11-16/05/23
7	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	109	750	12/05/23
8	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	2.6	10	16/05/23
9	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N _{org} B&4500-NH ₃ C)	31.39	100	16/05/23
10	Cyanide *	mg/L	Distillation, Colorimetric Method (SM 4500-CN ⁻ B/E)	0.002	0.2	16/05/23
11	Phenols Compound *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	12/05/23
12	H ₂ S *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S ²⁻ D)	0.62	-	11/05/23
13	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl ₂ F)	< 0.01	1	11/05/23
14	Cr ⁺⁶ *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	11/05/23
15	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	11/05/23
16	As *	mg/L	} Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0016	0.25	12/05/23
17	Se *	mg/L		< 0.0005	0.02	12/05/23
18	Ag *	mg/L		< 0.02	1.0	15/05/23
19	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.06	1.0	16/05/23
20	Cd	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.03	16/05/23
21	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.28	2.0	16/05/23
22	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.06	5.0	16/05/23
23	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.03	1.0	16/05/23
24	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.2	16/05/23
25	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.15	5.0	16/05/23

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

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Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Industrial Estate Authority of Thailand No. 76/2017 (B.E. 2560)

Reviewed by

Ms. Wareerut Prachumdaeng
Chief of Laboratory
23/05/23



Approved by

Mrs. Porntip Pethshee
Laboratory Manager
23/05/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด



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Page 1 of 3

TEST REPORT

Analysis No. : R23-1638

Received Date: 06/06/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอู่ธานี

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Contact : Tel. (02) 727 0190

Report Date : 15/06/23

Analysis Date : 02-12/06/23

Job No. : S660070/June

Sampling Date * : 02/06/23

Sampling By * : TET

Type of Sample : Wastewater

Sample Conditions : 2306-WW0040 = yellow turbid/high black sediment/covered with oil slick/smell, Flow Rate = 2,896 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2306-WW0040		
				น้ำเสียก่อนเข้าระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	7.17	5.5-9.0	02/06/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	100.1	200	06/06/23
3	DO *	mg/L	Membrane Electrode (SM 4500 G)	2.16	-	02/06/23
4	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	44	500	07-12/06/23
5	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	159	750	08/06/23

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำเสียก่อนเข้าระบบบำบัดฯ = 47P 0684568 UTM 1513646

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Industrial Estate Authority of Thailand No. 76/2017 (B.E. 2560)

Reviewed by

Ms. Wareerut Prachumdaeng
Chief of Laboratory
15/06/23



Approved by

Mrs. Pomtip Pethshee
Laboratory Manager
15/06/23

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TEST REPORT

Analysis No. : R23-0127

Received Date: 16/01/23

Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)
โครงการนิคมอุตสาหกรรมอู่ธานี

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Contact : Tel. (02) 727 0190

Report Date : 25/01/23

Analysis Date : 13-23/01/23

Job No. : S660070/Jan

Sampling Date : 13/01/23

Sampling By : TET

Type of Sample : Wastewater

Sample Conditions : 2301-WW0269 = yellow turbid/slight black sediment/covered with oil slick, Flow Rate = 2,605 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2301-WW0269		
				น้ำทิ้งที่ออกจากระบบบำบัดฯ		
1	pH	-	Electrometric Method (SM 4500 B)	7.28	5.5-9.0	13/01/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	7.3	50	18/01/23
3	DO	mg/L	Membrane Electrode (SM 4500 G)	3.66	-	13/01/23
4	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	4	20	18-23/01/23
5	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	37	120	18/01/23

Remarks : น้ำทิ้งที่ออกจากระบบบำบัดฯ = 47P 0684610 UTM 1513661

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng
Chief of Laboratory
25/01/23



Approved by

Mrs. Pomtip Pethshee
Laboratory Manager
25/01/23

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Page 2 of 3

TEST REPORT

Analysis No. : R23-0288

Received Date: 03/02/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอู่ธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 14/02/23

Analysis Date : 02-08/02/23

Job No. : S660070/Feb

Sampling Date * : 02/02/23

Sampling By * : TET

Type of Sample : Wastewater

Sample Conditions : 2302-WW0095 = yellow turbid/high black sediment, Flow Rate = 2,924 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2302-WW0095		
				น้ำทิ้งที่ออกจากระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	7.42	5.5-9.0	02/02/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	13.1	50	08/02/23
3	DO *	mg/L	Membrane Electrode (SM 4500 G)	3.71	-	02/02/23
4	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	4	20	03-08/02/23
5	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	47	120	07/02/23

Remarks : * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำทิ้งที่ออกจากระบบบำบัดฯ = 47P 0684610 UTM 1513661

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

14/02/23



Approved by

Mrs. Porntip Pethshee

Laboratory Manager

14/02/23

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TEST REPORT

Analysis No. : R23-0747

Received Date: 13/03/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอู่ธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 22/03/23

Analysis Date : 10-20/03/23

Job No. : S660070/Mar

Sampling Date : 10/03/23

Sampling By : TET

Type of Sample : Wastewater

Sample Conditions : 2303-WW0339 = yellow turbid/high black sediment, Flow Rate = 2,984 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2303-WW0339		
				น้ำทิ้งที่ออกจากระบบบำบัดฯ		
1	pH	-	Electrometric Method (SM 4500 B)	6.81	5.5-9.0	10/03/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	6.3	50	15/03/23
3	DO	mg/L	Membrane Electrode (SM 4500 G)	3.89	-	10/03/23
4	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	1	20	15-20/03/23
5	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	14	120	15/03/23

Remarks : น้ำทิ้งที่ออกจากระบบบำบัดฯ = 47P 0684610 UTM 1513661

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

22/03/23



Approved by

Mrs. Pomtip Pethshee

Laboratory Manager

22/03/23

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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TEST REPORT

Analysis No. : R23-1031

Received Date: 07/04/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอัญธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 20/04/23

Analysis Date : 06-12/04/23

Job No. : S660070/Apr

Sampling Date : 06/04/23

Sampling By : TET

Type of Sample : Wastewater

Sample Conditions : 2304-WW0142 = yellow turbid/slight black sediment/covered with oil slick, Flow Rate = 2,156 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2304-WW0142		
				น้ำทิ้งที่ออกจากระบบบำบัดฯ		
1	pH	-	Electrometric Method (SM 4500 B)	7.21	5.5-9.0	06/04/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	8.1	50	10/04/23
3	DO	mg/L	Membrane Electrode (SM 4500 G)	5.01	-	06/04/23
4	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	3	20	07-12/04/23
5	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	24	120	10/04/23

Remarks : น้ำทิ้งที่ออกจากระบบบำบัดฯ = 47P 0684610 UTM 1513661

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory
20/04/23



Approved by

Mrs. Pomtip Pethshee

Laboratory Manager
20/04/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด



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Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

Page 3 of 5

TEST REPORT

Analysis No. : R23-1396

Received Date: 11/05/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอัญธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 23/05/23

Analysis Date : 10-16/05/23

Job No. : S660070/May

Sampling Date * : 10/05/23

Sampling By * : TET

Type of Sample : Wastewater

Sample Conditions : 2305-WW0244 = yellow turbid/slight black sediment/covered with oil slick, Flow Rate = 2,855 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2305-WW0244		
				น้ำทิ้งที่ออกจากระบบบำบัดฯ		
1	pH *	-	Electrometric Method (SM 4500 B)	7.29	5.5-9.0	10/05/23
2	Colour (Original pH) *	ADMI	ADMI Weighted-Ordinate	25	300	12/05/23
	Colour (pH 7) *	ADMI	Spectrophotometric Method (SM 2120 F)	20	300	12/05/23
3	TSS *	mg/L	Dried at 103-105 °C (SM 2540 D)	6.5	50	12/05/23
4	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	650	3,000	16/05/23
5	DO *	mg/L	Membrane Electrode (SM 4500 G)	5.23	-	10/05/23
6	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	3	20	11-16/05/23
7	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	34	120	12/05/23
8	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.6	5	16/05/23
9	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N _{org} B&4500-NH ₃ C)	8.94	100	16/05/23
10	Cyanide *	mg/L	Distillation, Colorimetric Method (SM 4500-CN ⁻ B/E)	0.019	0.2	16/05/23
11	Phenols Compound *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	12/05/23
12	H ₂ S *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S ²⁻ D)	< 0.01	-	11/05/23
13	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl ₂ F)	< 0.01	1	11/05/23
14	Cr ⁺⁶ *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	11/05/23
15	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	11/05/23
16	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0014	0.25	12/05/23
17	Se *	mg/L		< 0.0005	0.02	12/05/23
18	Ag *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	-	15/05/23
19	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.05	1.0	16/05/23
20	Cd	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.03	16/05/23
21	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.05	2.0	16/05/23
22	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.06	5.0	16/05/23
23	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.07	1.0	16/05/23
24	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.2	16/05/23
25	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	16/05/23

Remarks * "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: น้ำทิ้งที่ออกจากระบบบำบัดฯ = 47P 0684610 UTM 1513661

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng
Chief of Laboratory

23/05/23

Approved by

Mrs. Pornpip Pethshee
Laboratory Manager

23/05/23



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TEST REPORT

Analysis No. : R23-1638

Received Date: 06/06/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอู่ธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 15/06/23

Analysis Date : 02-12/06/23

Job No. : S660070/June

Sampling Date : 02/06/23

Sampling By : TET

Type of Sample : Wastewater

Sample Conditions : 2306-WW0041 = yellow turbid/slight black sediment/covered with oil slick, Flow Rate = 2,711 m³/Day

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2306-WW0041		
				น้ำทิ้งที่ออกจากระบบบำบัดฯ		
1	pH	-	Electrometric Method (SM 4500 B)	7.16	5.5-9.0	02/06/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	3.5	50	06/06/23
3	DO	mg/L	Membrane Electrode (SM 4500 G)	5.82	-	02/06/23
4	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	3	20	07-12/06/23
5	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	20	120	08/06/23

Remarks : น้ำทิ้งที่ออกจากระบบบำบัดฯ = 47P 0684610 UTM 1513661

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

15/06/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

15/06/23

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TEST REPORT

Analysis No. : R23-0127

Received Date: 16/01/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอู่ธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Report Date : 25/01/23

Analysis Date : 13-23/01/23

Job No. : S660070/Jan

Sampling Date : 13/01/23

Sampling By : TET

Type of Sample : Wastewater

Sample Conditions : 2301-WW0270 = yellow turbid/slight black sediment/covered with oil slick

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2301-WW0270		
				น้ำทิ้งก่อนระบายออกสู่แหล่งน้ำสาธารณะ		
1	pH	-	Electrometric Method (SM 4500 B)	7.39	5.5-9.0	13/01/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	6.0	50	18/01/23
3	DO	mg/L	Membrane Electrode (SM 4500 G)	4.65	-	13/01/23
4	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	2	20	18-23/01/23
5	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	26	120	18/01/23

Remarks : น้ำทิ้งก่อนระบายออกสู่แหล่งน้ำสาธารณะ = 47P 0684674 UTM 1513645

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

25/01/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

25/01/23

..... END OF REPORT

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TEST REPORT

Analysis No. : R23-0288

Received Date: 03/02/23

Customer : Technical Division of Thai Environmental Technic Limited
For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)
โครงการนิคมอุตสาหกรรมอัญธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคอกไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Sample Conditions : 2302-WW0096 = yellow turbid/slight black sediment

Report Date : 14/02/23

Analysis Date : 02-08/02/23

Job No. : S660070/Feb

Sampling Date : 02/02/23

Sampling By : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2302-WW0096		
				น้ำทิ้งก่อนระบายออกสู่แหล่งน้ำสาธารณะ		
1	pH	-	Electrometric Method (SM 4500 B)	7.47	5.5-9.0	02/02/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	5.5	50	08/02/23
3	DO	mg/L	Membrane Electrode (SM 4500 G)	3.93	-	02/02/23
4	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	3	20	03-08/02/23
5	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	45	120	07/02/23

Remarks : น้ำทิ้งก่อนระบายออกสู่แหล่งน้ำสาธารณะ = 47P 0684674 UTM 1513645

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

14/02/23



Approved by

Mrs. Pomtip Pethshee

Laboratory Manager

14/02/23

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TEST REPORT

Analysis No. : R23-0747

Received Date: 13/03/23

Customer : Technical Division of Thai Environmental Technic Limited

For บริษัท ไอ.จี.เอส. จำกัด (มหาชน)

โครงการนิคมอุตสาหกรรมอู่ธานี

Address : 38 ซอยสุขาภิบาล 2 ซอย 31 แขวงคลองไม้ เขตประเวศ กรุงเทพมหานคร

Contact : Tel. (02) 727 0190

Sample Conditions : 2303-WW0340 = yellow turbid/high black sediment

Report Date : 22/03/23

Analysis Date : 10-20/03/23

Job No. : S660070/Mar

Sampling Date : 10/03/23

Sampling By : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2303-WW0340		
				น้ำทิ้งก่อนระบายออกสู่แหล่งน้ำสาธารณะ		
1	pH	-	Electrometric Method (SM 4500 B)	6.91	5.5-9.0	10/03/23
2	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	6.3	50	15/03/23
3	DO	mg/L	Membrane Electrode (SM 4500 G)	4.70	-	10/03/23
4	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	2	20	15-20/03/23
5	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	20	120	15/03/23

Remarks : น้ำทิ้งก่อนระบายออกสู่แหล่งน้ำสาธารณะ = 47P 0684674 UTM 1513645

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Standard : Notification of the Ministry of Natural Resources and Environment (2016) (B.E. 2559)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

22/03/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

22/03/23

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