

TEST REPORT

CLIENT DETAILS

Client Name: [REDACTED]
Client Contact: Mr. Lu
Telephone: [REDACTED]
Email: -
Address: [REDACTED]
Taiwan

LABORATORY DETAILS

SGS Affiliate: SGS Taiwan, CRS Textile & Footwear Service
SGS Contact: Anita Chuang
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FACTORY DETAILS

Factory Name: [REDACTED]
Factory Contact: Mr. Lu
Telephone: [REDACTED]
Email: -
Address: [REDACTED]
Discharge Destination N/A

SAMPLE AND TESTING DETAILS

Sampling Country: SGS Taiwan
Sampling Engineer: Mr. Lee
Sampling Date: 09/08/2018
Sample Received Date: 09/08/2018
Test Performing Period: 09/08/2018 - 23/08/2018
No. of Samples: Water (2); Sludge (1)

Sample Descriptions: 1) Incoming water (Grab)
2) Discharged Wastewater (6-hour Composite)
3) Sludge (Grab)

Sample Volume 34.92L each water sample; 2250g sludge in total
Testing Institute: SGS Taiwan EHS · SGS Taiwan CCL
Discharge Method: Direct Discharge

OVERALL RESULTS

	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge
Conventional Parameters / Anion / Metals:	Exceed Foundational Limit	Not Tested	Exceed Foundational Limit	Detected
MRSL Parameters:	Not Detected	Not Tested	Detected	Not Detected

REMARKS

1. This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.
2. The results shown in this test report refer only to the sampling and the sample(s) tested unless otherwise stated.

Signed for and on behalf of
SGS Taiwan Ltd.

Atina Hsieh
Atina Hsieh
Asst. Supervisor



RESULT SUMMARY

XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX

TEST ITEMS	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge
Conventional Parameters	N/A	N/A	Please refer to the information in TEST RESULTS	N/A
Anions	N/A	N/A	O	O
Metals	X	N/A	X	X
Alkylphenols (APs) and Alkylphenol Ethoxylates (APEOs)	N/A	N/A	O	O
Chlorobenzenes and Chlorotoluenes (COCs)	N/A	N/A	O	O
Chlorophenols	O	N/A	X	O
Azo dyes	N/A	N/A	O	O
Carcinogenic dyes	N/A	N/A	O	O
Disperse dyes	N/A	N/A	O	O
Flame retardants	N/A	N/A	O	O
Glycols	N/A	N/A	O	O
Halogenated solvents	N/A	N/A	O	O
Organotin Compounds	N/A	N/A	O	O
Perfluorinated / Polyfluorinated Chemicals (PFCs)	N/A	N/A	O	O
Phthalates	N/A	N/A	O	O
Polycyclic Aromatic Hydrocarbons (PAHs)	N/A	N/A	O	O
Volatile Organic Compounds (VOCs)	N/A	N/A	O	O

Note:
X - Detected
O - Not Detected
N/A - Not Tested

TEST RESULTS

			Sample ID	PX8005301	-	PX8005401	-	-	PX8005501	Factory Performances			
			Date of Sampling	09/08/2018		09/08/2018	-	-	09/08/2018				
			Sampling Location	-		-	-	-	-				
			Sampling Start Time	09:00		08:30	-	-	08:45				
			Sampling End Time	09:20		15:00	-	-	08:50				
			Date of Sample Received	10/08/2018		09/08/2018	-	-	10/08/2018				
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	Sludge	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge
Sample Colour Description	-	-	-	Colourless	-	Slightly Brown	-	-	Black	-	-	-	-
Conventional Parameters													
Temperature	-	-	°C	-	-	34.8	-	-	-	-	-	Fulfill Foundational Limit	-
TSS	-	5	mg/L	-	-	13	-	-	-	-	-	Fulfill Progressive Limit	-
COD	-	10	mg/L	-	-	145	-	-	-	-	-	Fulfill Foundational Limit	-
Total Nitrogen (Total-N)	-	5	mg/L	-	-	n.d.	-	-	-	-	-	Fulfill Aspirational Limit	-
pH Value	-	-	-	-	-	7.1	-	-	-	-	-	Fulfill Aspirational Limit	-
Colour (436nm, 525nm, 620nm)	-	-	m ¹	-	-	2.8; 1.7; 0.7	-	-	-	-	-	Fulfill Progressive Limit	-
BOD (5-day)	-	5	mg/L	-	-	6	-	-	-	-	-	Fulfill Progressive Limit	-
Ammonium Nitrogen (Ammonium-N)	-	0.5	mg/L	-	-	n.d.	-	-	-	-	-	Fulfill Aspirational Limit	-
Total Phosphorus (Total-P)	-	0.1	mg/L	-	-	0.5	-	-	-	-	-	Fulfill Progressive Limit	-
AOX	-	0.1	mg/L	-	-	n.d.	-	-	-	-	-	Fulfill Aspirational Limit	-
Oil and Grease	-	0.5	mg/L	-	-	12	-	-	-	-	-	Exceed Foundational Limit	-
Phenol	-	0.001	mg/L	-	-	0.008	-	-	-	-	-	Fulfill Progressive Limit	-
Coliform	-	25	Bacteria / 100ml	-	-	660	-	-	-	-	-	Exceed Foundational Limit	-
Persistent Foam	-	Not visible	-	-	-	Not visible	-	-	-	-	-	Fulfill Aspirational Limit	-
Anions													
Cyanide	-	0.05	mg/L	-	-	n.d.	0.5	mg/kg	n.d.	-	-	Fulfill Aspirational Limit	Not Detected
Sulfide	-	0.01	mg/L	-	-	n.d.	-	-	-	-	-	Fulfill Aspirational Limit	-
Sulfite	-	0.2	mg/L	-	-	n.d.	-	-	-	-	-	Fulfill Aspirational Limit	-
Metals													
Total Antimony (Sb)	7440-36-0	0.01	mg/L	n.d.	-	0.08	-	-	-	Fulfill Aspirational Limit	-	Fulfill Foundational Limit	-
Total Chromium (Cr)	7440-47-3	0.05	mg/L	n.d.	-	n.d.	-	-	-	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	-
Total Cobalt (Co)	7440-48-4	0.01	mg/L	n.d.	-	n.d.	-	-	-	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	-
Total Copper (Cu)	7440-50-8	0.25	mg/L	n.d.	-	n.d.	-	-	-	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	-
Total Nickel (Ni)	7440-02-0	0.05	mg/L	n.d.	-	n.d.	-	-	-	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	-
Total Silver (Ag)	7440-22-4	0.005	mg/L	n.d.	-	n.d.	-	-	-	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	-
Total Zinc (Zn)	7440-66-6	0.5	mg/L	n.d.	-	n.d.	-	-	-	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	-
Total Arsenic (As)	7440-38-2	0.005	mg/L	0.06	-	0.021	1	mg/kg	114	Exceed Foundational Limit	-	Fulfill Foundational Limit	Detected
Total Cadmium (Cd)	7440-43-9	0.01	mg/L	n.d.	-	n.d.	1	mg/kg	n.d.	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	Not Detected
Hexavalent Chromium (Cr-VI)	7440-47-3, 18540-29-9	0.001	mg/L	n.d.	-	n.d.	1	mg/kg	n.d.	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	Not Detected
Total Lead (Pb)	7439-92-1	0.01	mg/L	n.d.	-	n.d.	1	mg/kg	4	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	Detected
Total Mercury (Hg)	7439-97-6	0.001	mg/L	n.d.	-	n.d.	1	mg/kg	n.d.	Fulfill Aspirational Limit	-	Fulfill Aspirational Limit	Not Detected

TEST RESULTS

			Sample ID	PX8005301	-	PX8005401	-	-	PX8005501	Factory Performances			
			Date of Sampling	09/08/2018		09/08/2018	-	-	09/08/2018				
			Sampling Location	-		-	-	-	-				
			Sampling Start Time	09:00		08:30	-	-	08:45				
			Sampling End Time	09:20		15:00	-	-	08:50				
			Date of Sample Received	10/08/2018		09/08/2018	-	-	10/08/2018				
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	Sludge	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge
Alkylphenols (APs) & Alkylphenol Ethoxylates (APEOs)													
Nonylphenol (NP), mixed isomers	Multiple, including 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3, 90481-04-2, 1173018-62-9	5	µg/L	-	-	n.d.	0.2	mg/kg	n.d.	-	-	Not Detected	Not Detected
Octylphenol (OP), mixed isomers	Multiple, including 140-66-6, 1806-26-4, 27193-28-8	5	µg/L	-	-	n.d.	0.2	mg/kg	n.d.	-	-	Not Detected	Not Detected
Octylphenol ethoxylates (OPEO)	Multiple, including 9002-93-1, 9036-19-5, 68987-90-0	5	µg/L	-	-	n.d.	0.2	mg/kg	n.d.	-	-	Not Detected	Not Detected
Nonylphenol ethoxlates (NPEO)	Multiple, including 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	5	µg/L	-	-	n.d.	0.2	mg/kg	n.d.	-	-	Not Detected	Not Detected
Chlorobenzenes & Chlorotoluenes (COCs)													
Monochlorobenzenes	108-90-7	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2-Dichlorobenzene	95-50-1	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,3-Dichlorobenzene	541-73-1	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,4-Dichlorobenzene	106-46-7	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2,3-Trichlorobenzene	87-61-6	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2,4-Trichlorobenzene	120-82-1	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,3,5-Trichlorobenzene	108-70-3	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Pentachlorobenzene	608-93-5	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Hexachlorobenzene	118-74-1	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2-Chlorotoluene	95-49-8	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
3-Chlorotoluene	108-41-8	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
4-Chlorotoluene	106-43-4	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,3-Dichlorotoluene	32768-54-0	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,4-Dichlorotoluene	95-73-8	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,5-Dichlorotoluene	19398-61-9	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,6-Dichlorotoluene	118-69-4	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
3,4-Dichlorotoluene	95-75-0	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
3,5-Dichlorotoluene	25186-47-4	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,3,4-Trichlorotoluene	7359-72-0	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,3,6-Trichlorotoluene	2977-46-5	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,4,5-Trichlorotoluene	6639-30-1	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,4,6-Trichlorotoluene	23749-65-7	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
3,4,5-Trichlorotoluene	21472-86-6	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected

TEST RESULTS

			Factory Performance Data							Factory Performances								
			Sample ID		PX8005301		-		PX8005401					-		PX8005501		
			Date of Sampling		09/08/2018		09/08/2018		-					-		09/08/2018		
			Sampling Location		-		-		-					-		-		
			Sampling Start Time		09:00		08:30		-					-		08:45		
			Sampling End Time		09:20		15:00		-					-		08:50		
Date of Sample Received			10/08/2018		09/08/2018		-		-		10/08/2018							
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	Sludge	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge					
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Pentachlorotoluene	877-11-2	0.2	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Chlorophenols																		
2-Chlorophenol	95-57-8	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
3-Chlorophenol	108-43-0	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
4-Chlorophenol	106-48-9	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,3-Dichlorophenol	576-24-9	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,4-Dichlorophenol	120-83-2	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,5-Dichlorophenol	583-78-8	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,6-Dichlorophenol	87-65-0	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
3,4-Dichlorophenol	95-77-2	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
3,5-Dichlorophenol	501-35-5	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,3,4-Trichlorophenol	15950-06-0	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,3,5-Trichlorophenol	933-78-8	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,3,6-Trichlorophenol	933-75-5	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,4,5-Trichlorophenol	95-95-4	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,4,6-Trichlorophenol	88-06-2	0.5	µg/L	n.d.	-	1.4	0.025	mg/kg	n.d.	Not Detected	-	Detected	Not Detected					
3,4,5-Trichlorophenol	609-19-8	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
Pentachlorophenol	87-86-5	0.5	µg/L	n.d.	-	n.d.	0.025	mg/kg	n.d.	Not Detected	-	Not Detected	Not Detected					
Azo Dyes																		
4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
4,4'-Diaminodiphenylmethane	101-77-9	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
4,4'-Oxydianiline	101-80-4	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
p-Chloroaniline	106-47-8	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
3,3'-Dimethoxybenzidine	119-90-4	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
3,3'-Dimethylbenzidine	119-93-7	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
p-Cresidine	120-71-8	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
2,4,5-Trimethylaniline	137-17-7	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
4,4'-Thiodianiline	136-65-1	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
p-Aminozobenzene	60-09-3	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
2,4-Diaminoanisole	615-05-4	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					

TEST RESULTS

			Sample ID							Factory Performances					
			PX8005301		-	PX8005401		-	-					PX8005501	
			Date of Sampling		09/08/2018		09/08/2018		-					-	09/08/2018
			Sampling Location		-		-		-					-	-
			Sampling Start Time		09:00		08:30		-					-	08:45
			Sampling End Time		09:20		15:00		-					-	08:50
			Date of Sample Received		10/08/2018		09/08/2018		-	-	10/08/2018				
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	Sludge	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge		
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
2,6-Xyldine	87-62-7	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
o-Anisidine	90-04-0	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
2-Naphthylamine	91-59-8	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
3,3'-Dichlorobenzidine	91-94-1	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
4-Aminodiphenyl	92-67-1	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Benzidine	92-87-5	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
o-Toluidine	95-53-4	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
2,4-Xyldine	95-68-1	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
4-Chloro-o-Toluidine	95-69-2	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
2,4-Toluylenediamine	95-80-7	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
o-Aminoazotoluene	97-56-3	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
2-Amino-4-Nitrotoluene	99-55-8	0.1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Carcinogenic Dyes															
Direct Black 38	1937-37-7	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Direct Blue 6	2602-46-2	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Acid Red 26	3761-53-3	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Basic Red 9	569-61-9	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Direct Red 28	573-58-0	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Basic Violet 14	632-99-5	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Blue 1	2475-45-8	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Blue 3	2475-46-9	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Basic Blue 26	2580-56-5	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Basic Green 4 (malachite green chloride)*	569-64-2	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Basic Green 4 (malachite green oxalate)*	2437-29-8	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Basic Green 4 (malachite green)	10309-95-2	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Orange 11	82-28-0	500	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Dyes															
Disperse Yellow 1	119-15-3	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Blue 102	12222-97-8	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Blue 106	12223-01-7	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Yellow 39	12236-29-2	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Orange 37/59/76	13301-61-6	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Brown 1	23355-64-8	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Orange 1	2581-69-3	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		
Disperse Yellow 3	2832-40-8	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected		

TEST RESULTS

			PX8005501							Factory Performances			
			Sample ID	PX8005301	-	PX8005401	-	-	PX8005501				
			Date of Sampling	06/08/2018		09/08/2018	-	-	09/08/2018				
			Sampling Location	-		-	-	-	-				
			Sampling Start Time	09:00		08:30	-	-	08:45				
			Sampling End Time	09:20		15:00	-	-	08:50				
			Date of Sample Received	10/08/2018		09/08/2018	-	-	10/08/2018				
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	Sludge	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge
Disperse Red 11	2872-48-2	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Red 1	2872-52-8	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Red 17	3179-89-3	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Blue 7	3179-90-6	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Blue 26	3860-63-7	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Yellow 49	54824-37-2	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Blue 35	12222-75-2, 56524-77-7	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Blue 124	61951-51-7	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Yellow 9	6373-73-5	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Disperse Orange 3	730-40-5	50	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Flame Retardants													
Tris(2-chloroethyl) phosphate (TCEP)	115-06-8	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Decabromodiphenyl ethers (DecaBDE)	1163-19-5	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Pentabromodiphenyl ethers (PentaBDE)	32534-81-9	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Octabromodiphenyl ethers (OctaBDE)	32536-52-0	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Bis(2,3-dibromopropyl)phosphate (BIS)	5412-25-9	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Polybrominated biphenyls (PBBs)	59536-65-1	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Tetrabromobisphenol A (TBBPA)	79-94-7	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	13674-87-8	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Short Chain Chlorinated Paraffins (SCCP, C ₁₀ -C ₁₃)	85535-84-8	5	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Glycols													
Bis(2-methoxyethyl)-ether	111-66-6	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
2-Ethoxyethanol	110-80-5	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
2-Ethoxyethyl acetate	111-15-9	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
Ethylene glycol dimethyl ether	110-71-4	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
2-Methoxyethanol	109-86-4	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
2-Methoxyethylacetate	110-49-6	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
2-Methoxypropylacetate	70657-70-4	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
Triethylene glycol dimethyl ether	112-49-2	50	µg/L	-	-	n.d.	5	mg/kg	n.d.	-	-	Not Detected	Not Detected
Halogenated Solvents													
1,2-Dichloroethane	107-06-2	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected

TEST RESULTS

			Factory Performance Data							Factory Performances								
			Sample ID		PX8005301		-		PX8005401					-		PX8005501		
			Date of Sampling		09/08/2018		-		09/08/2018					-		09/08/2018		
			Sampling Location		-		-		-					-		-		
			Sampling Start Time		09:00		08:30		-					-		08:45		
			Sampling End Time		09:20		15:00		-					-		08:50		
			Date of Sample Received		10/08/2018		09/08/2018		-		-		10/08/2018					
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	Sludge	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge					
Methylene chloride	75-09-2	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Trichloroethene	79-01-6	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Tetrachloroethene	127-18-4	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Organotin Compounds																		
Mono-, di- and tri-methyltin derivatives	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Monomethyltin (MMT)	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Dimethyltin (DMT)	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Trimethyltin (TMT)	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Mono-, di- and tri-butyltin derivatives	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Monobutyltin (MBT)	1118-46-3, 78763-54-9	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Dibutyltin (DBT)	1002-53-5	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Tributyltin (TBT)	56573-85-4	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Mono-, di- and tri-phenyltin derivatives	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Monophenyltin (MPhT)	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Diphenyltin (DPHT)	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Triphenyltin (TPHT)	892-20-6, 668-34-8	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Mono-, di- and tri-octyltin derivatives	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Monooctyltin (MOT)	15231-57-9	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Diocetyltn (DOT)	94410-05-6, 12531-44-4	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Trioctyltin (TOT)	Multiple	0.01	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Perfluorinated / Polyfluorinated Chemicals (PFCs)																		
PFOS	1763-23-1	0.01	µg/L	-	-	n.d.	0.05	mg/kg	n.d.	-	-	Not Detected	Not Detected					
PFOA	335-67-1	0.01	µg/L	-	-	n.d.	0.05	mg/kg	n.d.	-	-	Not Detected	Not Detected					
PFBS	375-73-5, 59933-66-3, 29420-49-3, 29420-43-3	0.01	µg/L	-	-	n.d.	0.05	mg/kg	n.d.	-	-	Not Detected	Not Detected					
PFFxA	307-24-4	0.01	µg/L	-	-	n.d.	0.05	mg/kg	n.d.	-	-	Not Detected	Not Detected					
8:2 FTOH	678-39-7	1	µg/L	-	-	n.d.	0.5	mg/kg	n.d.	-	-	Not Detected	Not Detected					
6:2 FTOH	647-42-7	1	µg/L	-	-	n.d.	0.5	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Phthalates																		
Di(2-Ethyl Hexyl) Phthalate (DEHP)	117-81-7	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Di-N-Octyl Phthalate (DNOP)	117-84-0	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Di-Iso-Decyl Phthalate (DIDP)	26761-40-0, 68515-49-1	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Di-Iso-Nonyl Phthalate (DINP)	28553-12-0, 68515-48-0	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Di-N-Hexyl Phthalate (DNHP)	84-75-3	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Dibutyl Phthalate (DBP)	84-74-2	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					
Benzyl Butyl Phthalate (BBP)	85-68-7	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected					

TEST RESULTS

			Factory Performances										
			Sample ID	PX8005301	-	PX8005401	-	-	PX8005501				
			Date of Sampling	09/08/2018		09/08/2018	-	-	09/08/2018				
			Sampling Location	-		-	-	-	-				
			Sampling Start Time	08:00		08:30	-	-	08:45				
			Sampling End Time	09:20		15:00	-	-	08:50				
Date of Sample Received			10/08/2018		09/08/2018	-	-	10/08/2018					
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	SludgeΦ	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge
Dinonyl phthalate (DNP)	84-76-4	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Diethyl Phthalate (DEP)	84-66-2	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Di-N-Propyl Phthalate (DPRP)	131-16-8	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Di-Iso-Butyl Phthalate (DiBP)	84-69-5	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Dicyclohexyl Phthalate (DCHP)	84-61-7	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected

TEST RESULTS

			Sample ID	PX8005301	-	PX8005401	-	-	PX8005501	Factory Performances			
			Date of Sampling	09/08/2018		09/08/2018	-	-	09/08/2018				
			Sampling Location	-		-	-	-	-				
			Sampling Start Time	09:00		08:30	-	-	08:45				
			Sampling End Time	09:20		15:00	-	-	08:50				
			Date of Sample Received	10/08/2018		09/08/2018	-	-	10/08/2018				
Items	CAS No.	Reporting Limit	Units	Incoming Water	Raw Waste Water	Discharged Waste Water	Reporting Limit	Units	Sludge	Incoming Water	Raw Waste Water	Discharged Waste Water	Sludge
Di-Iso-Octyl Phthalate (DIOP)	27554-26-3	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2-Benzenedicarboxylic acid, Di-C7-11 Branched and Linear Alkyl Esters (DHNUP)	68515-42-4	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
1,2-Benzenedicarboxylic acid, Di-C6-8 Branched Alkyl Esters, C7-rich (DIHP)	71888-89-6	10	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Polycyclic Aromatic Hydrocarbons (PAHs)													
Benzo[a]pyrene	50-32-8	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Anthracene	120-12-7	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Pyrene	129-00-0	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Benzo[ghi]perylene	191-24-2	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Benzo[e]pyrene	192-97-2	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Indeno[1,2,3-cd]pyrene	193-39-5	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Benzo[j]fluoranthene	205-82-3	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Benzo[b]fluoranthene	205-90-2	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Fluoranthene	206-44-0	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Benzo[k]fluoranthene	207-08-9	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Acenaphthylene	208-96-8	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Chrysene	218-01-9	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Dibenzo[a,h]anthracene	53-70-3	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Benzo[a]anthracene	56-55-3	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Acenaphthene	83-32-9	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Phenanthrene	85-01-8	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Fluorene	86-73-7	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Naphthalene	91-20-3	1	µg/L	-	-	n.d.	1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Volatile Organic Compounds (VOCs)													
Benzene	71-43-2	1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Xylene	1330-20-7	1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
o-cresol	95-48-7	1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
p-cresol	106-44-5	1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
m-cresol	108-39-4	1	µg/L	-	-	n.d.	0.1	mg/kg	n.d.	-	-	Not Detected	Not Detected
Additional Parameters													
Moisture Content	-	-	-	-	-	-		%	19.7	-	-	-	-

Remarks:

n.d. = Not Detected

N/A = Not applicable

^aThe test result is based on the calculation of selected element(s) and to the worst-case scenario

ΦSludge results are reported based on dry mass

TEST PARAMETERS

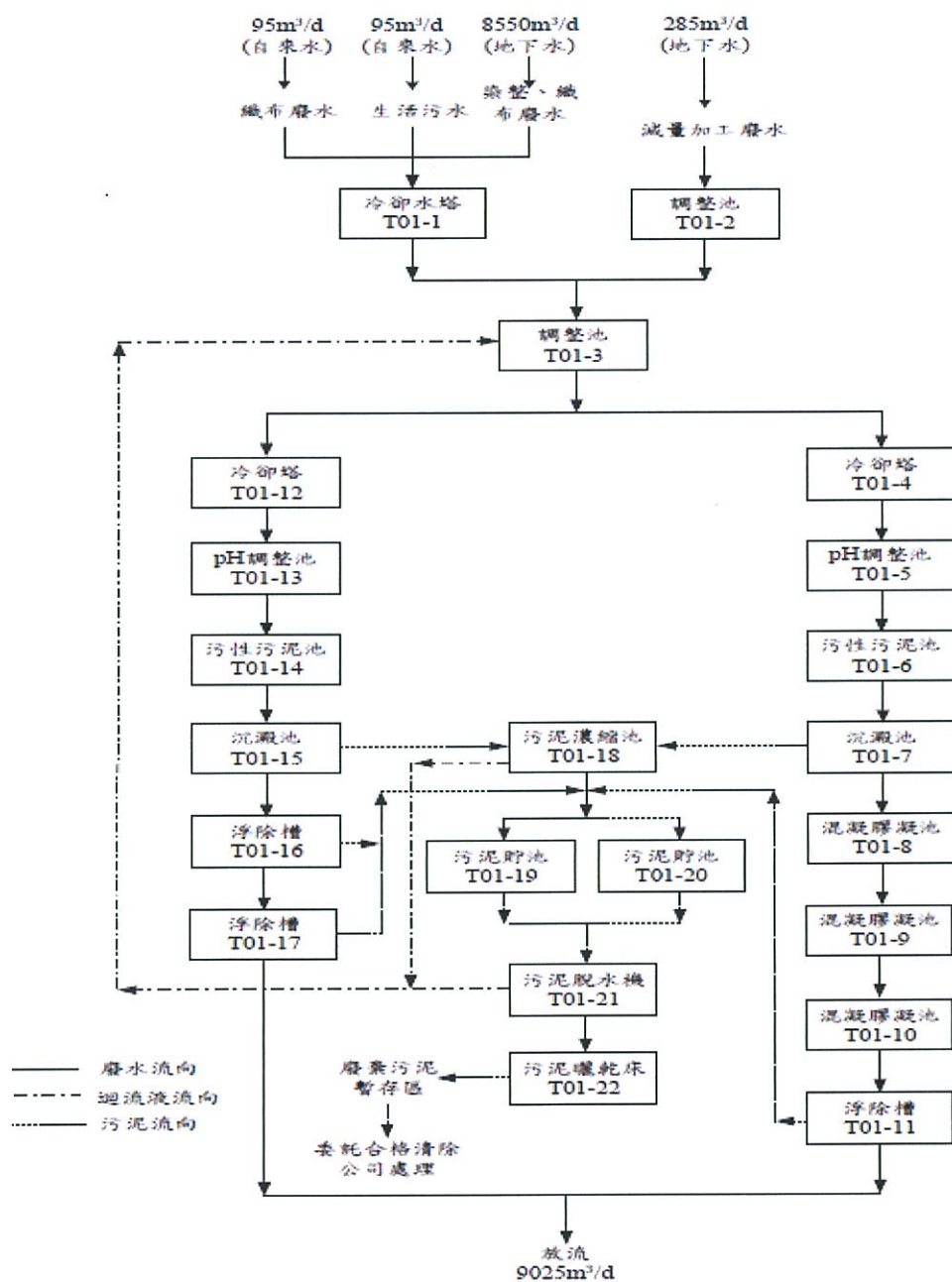
ITEMS	CAS No.	METHODS	ZDHC REQUIREMENTS			Units
			Foundational Limit	Progressive Limit	Aspirational Limit	
Conventional Parameters						
Temperature	-	USEPA 170.1 or GB/T 13195	Δ15 / max.35	Δ10 or 30	Δ5 or 25	°C
TSS	-	USEPA 160.2, APHA 2540D, ISO 11923 or GB/T 11901	50	15	5	mg/L
COD	-	USEPA 410.4, APHA 5220D, ISO 6060 or GB/T 11914	150	80	40	mg/L
Total Nitrogen (Total-N)	-	USEPA 351.2, APHA 4500P-J, APHA 4500N-C, ISO 5663, ISO 29441, HJ 636	20	10	5	mg/L
pH Value	-	USEPA 150.1, APHA 4500-H+, ISO 10523 or GB/T 6920	6-9	6-9	6-9	-
Colour (436nm; 525nm; 620nm)	-	ISO 7887 (Method B)	7; 5; 3	5; 3; 2	2; 1; 1	m ⁻¹
BOD (5-day)	-	USEPA 405.1, APHA 5210B, ISO 5815-1 or HJ 505	30	15	5	mg/L
Ammonium Nitrogen (Ammonium-N)	-	USEPA 350.1, APHA 4500NH3-N, ISO 7150, ISO 11732, HJ 535 or HJ 536	10	1	0.5	mg/L
Total Phosphorus (Total-P)	-	USEPA 365.4, APHA 4500P-J, ISO 6878, ISO 11885 or GB/T 11893	3	0.5	0.1	mg/L
AOX	-	USEPA 1650, ISO 9562, HJ/T 83	5	1.0	0.1	mg/L
Oil and Grease	-	USEPA 1664, ISO 9377-2, HJ 637	10	2	0.5	mg/L
Phenol	-	APHA 5530 B, C & D, ISO 14402 or HJ 503	0.5	0.01	0.001	mg/L
Coliform	-	USEPA 9132, ISO 9308 or GB/T 5750.12	400	100	25	Bacteria / 100ml
Persistent Foam	-	N/A	Not visible	Not visible	Not visible	-
Anions						
Cyanide	-	USEPA 335.2, APHA 4500-CN, HJ 484, HJ 745 (for sludge)	0.2	0.1	0.05	mg/L
Sulfide	-	APHA 4500-S2-D, ISO 10530 or GB/T 16489	0.5	0.05	0.01	mg/L
Sulfite	-	USEPA 377.1, ISO10304-3 or HJ 84	2	0.5	0.2	mg/L
Metals						
Total Antimony (Sb)	7440-36-0	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS analysis	0.1	0.05	0.01	mg/L
Total Chromium (Cr)	7440-47-3		0.2	0.1	0.05	mg/L
Total Cobalt (Co)	7440-48-4		0.05	0.02	0.01	mg/L
Total Copper (Cu)	7440-50-8		1	0.5	0.25	mg/L
Total Nickel (Ni)	7440-02-0		0.2	0.1	0.05	mg/L
Total Silver (Ag)	7440-22-4		0.1	0.05	0.005	mg/L
Total Zinc (Zn)	7440-66-6		5	1	0.5	mg/L
Total Arsenic (As)	7440-38-2		0.05	0.01	0.005	mg/L
Total Cadmium (Cd)	7440-43-9		0.1	0.05	0.01	mg/L
Hexavalent Chromium (Cr-VI)	7440-47-3, 18540-29-9	With reference to USEPA 218.6, ISO 18412, GB 7467 or Solvent extraction and derivatisation followed by UV/Vis analysis With reference to USEPA 3060A&7196A for sludge	0.05	0.005	0.001	mg/L
Total Lead (Pb)	7439-92-1	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS analysis	0.1	0.05	0.01	mg/L
Total Mercury (Hg)	7439-97-6		0.01	0.005	0.001	mg/L

TEST PARAMETERS

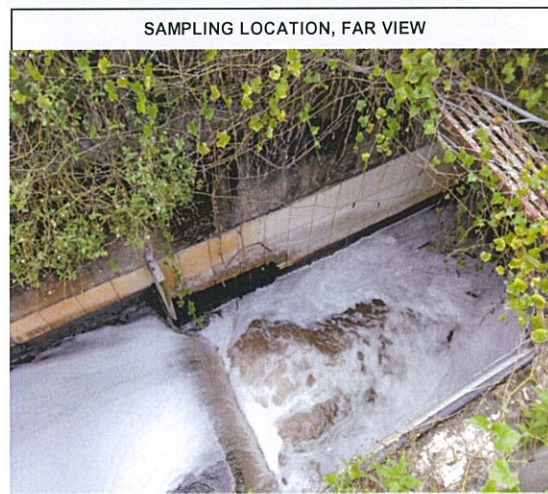
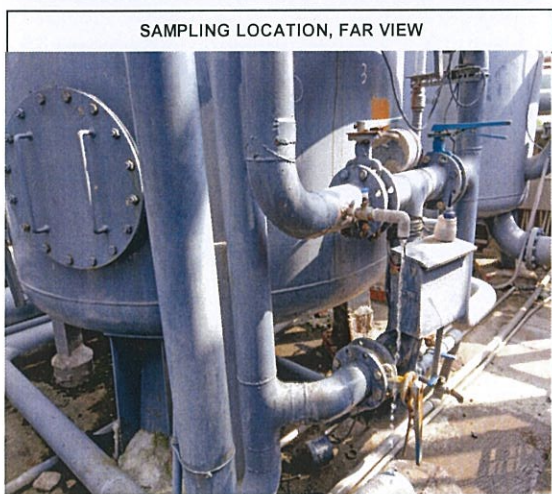
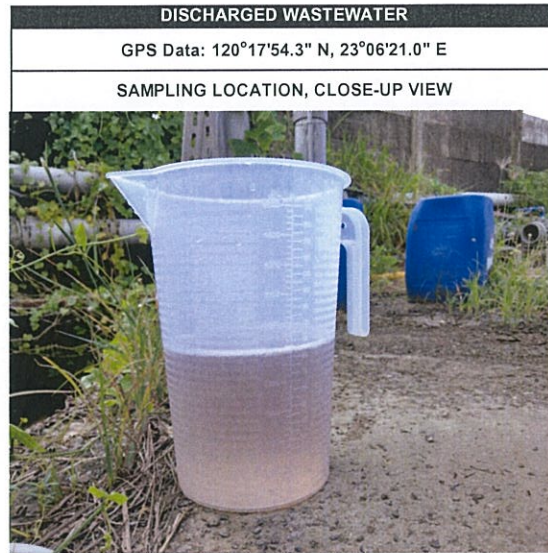
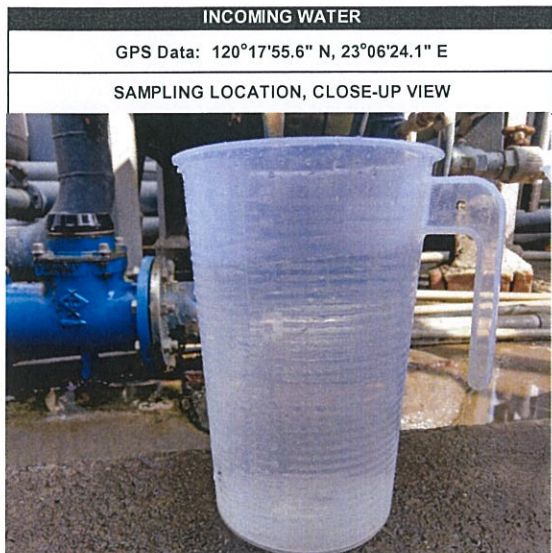
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ITEMS	CAS No.	METHODS	ZDHC REQUIREMENTS			Units
			Foundational Limit	Progressive Limit	Aspirational Limit	
Alkylphenols (APs) and Alkylphenol Ethoxylates (APEOs)						
NP / OP		With reference to ISO 18857-2 or ASTM D7065 followed by GC/MS or LC/MS analysis		-		
NPEO / OPEO		With reference to ISO 18254-1, ISO 18857-2 or ASTM D7065 followed by GC/MS or LC/MS analysis				
Chlorobenzenes and Chlorotoluenes (COCs)		With reference to USEPA 8260B, USEPA 8270D or solvent extraction followed by GC/MS analysis		-		
Chlorophenols		With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatisation with KOH, acetic anhydride followed by GC/MS analysis.		-		
Azo Dyes		With reference to USEPA 8270D, EN 14362-1, EN 14362-3 or Solvent extraction with sodium dithionite reduction followed by GC/MS and HPLC analysis.		-		
Carcinogenic Dyes		Solvent extraction followed by LC/MS analysis.		-		
Disperse Dyes		Solvent extraction followed by LC/MS analysis.		-		
Flame Retardants		With reference to USEPA 527, USEPA 8270, USEPA 8321B, ISO 22032 or solvent extraction followed by GC/MS or LC/MS analysis		-		
Glycols		With reference to USEPA 8270D or solvent extraction followed by GC/MS or LC/MS analysis		-		
Halogenated Solvents		With reference to USEPA 8260B, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis		-		
Organotin Compounds		With reference to ISO17353 and derivatisation with sodium diethyl dithiocarbamate followed by GC/MS analysis.		-		
Perfluorinated / Polyfluorinated Chemicals (PFCs)						
FTOHs		With reference to DIN38407-42 or CEN/TS 15968 and derivatisation with acetic anhydride followed by GC/MS analysis.		-		
Others		With reference to DIN38407-42 or CEN/TS 15968 and followed by LCMS or LC/MS/MS analysis				
Phthalates		With reference to USEPA 8270D, ISO 18856, or solvent extraction followed by GC/MS analysis		-		
Polycyclic Aromatic Hydrocarbons (PAHs)		With reference to USEPA 8270, DIN 38407-39 or solvent extraction followed by GC/MS analysis		-		
Volatile Organic Compounds (VOCs)		With reference to USEPA 8260B, ISO 11423-1, Purge&Trap, Head-space or Solvent extraction followed by GC/MS analysis		-		

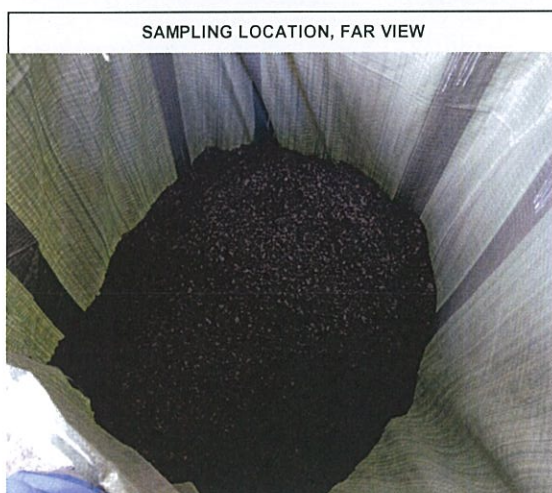
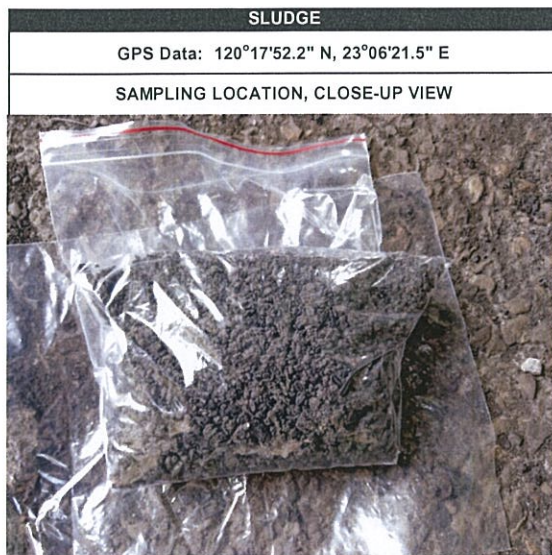
PIPING PLAN



SAMPLING PHOTOS



SAMPLING PHOTOS



REGULATORY REQUIREMENTS BASED ON Water Pollution Control Act of Taiwan (No. 10700062361)

參、水污染防治措施資料/廢(污)水(前)處理設施資料表

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三、廢(污)水處理單元名稱及操作參數

(一)處理單元名稱: 浮除槽(池) 序號: T01-17 代碼: 110

材質	單元尺寸						數量	其他
	長/直徑	寬	高	有效水深	容量			
√其他: 鍍鋅鋼板	5.5(公尺)	(公尺)	0.6(公尺)	0.5(公尺)	4.5(立方公尺)		1 (單位: 座)	

(二)處理單元之操作參數

操作參數名稱	代碼	操作參數之數值範圍	單位	操作參數量測或計算方式	記錄頻率
表面溢流率	13	100 ~ 120	[601]m ³ /m ² ·d	流量 Q ÷ 池表面積 A	1 次/月

(三)進出處理單元之水質資料

水流編號	水質項目	數值
WTB01-17	[65]水溫(攝氏)	30 ~ 38
WTB01-17	[66]pH值	6 ~ 9
WTB01-17	[60]生化需氧量(mg/L)	50 ~ 70
WTB01-17	[61]化學需氧量(mg/L)	100 ~ 200
WTB01-17	[62]懸浮固體物(mg/L)	20 ~ 50
WTB01-17	[71]真色色度	130 ~ 660
WTB01-17	[07]陰離子界面活性劑	1 ~ 30
WTA01-17	[65]水溫(攝氏)	30 ~ 38
WTA01-17	[66]pH值	6 ~ 9
WTA01-17	[60]生化需氧量(mg/L)	5 ~ 30
WTA01-17	[61]化學需氧量(mg/L)	50 ~ 180
WTA01-17	[62]懸浮固體物(mg/L)	5 ~ 30
WTA01-17	[71]真色色度	100 ~ 550
WTA01-17	[07]陰離子界面活性劑	0.1 ~ 10

(四)相關機具設施

名稱	設施位置	數量
刮泥機	槽體上方	1

(五)其他登記事項:

