

Parent Company: [REDACTED]
 Report Date: 09-Jul-2018
 ZDHCID: A995MF52

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DETAILED PERFORMANCE BREAKDOWN

The section below shows the detailed results from your Laboratory test report in context with the ZDHC Wastewater guidelines and scoring methodology.



	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER
Conventional Legend:		NOT ANALYSED		
MRSL Legend:		NOT ANALYSED		

CHEMICAL NAME	UNIT	RAW WASTEWATER	UNIT	SLUDGE	UNIT	TREATED WASTEWATER	UNIT	STANDARD TEST METHODS
	INCOMING WATER	RAW WASTEWATER	UNIT	SLUDGE	UNIT	TREATED WASTEWATER	UNIT	
Anions								
Cyanide	NA			ND		ND		-
Sulfide	NA			NA		ND		-
Sulfite	NA			NA		ND		-
Conventional Parameters								
Ammonium-N	NA			NA		5.040000	mg/l	-
AOX	NA			NA		ND		-
BOD5	NA			NA		13.100000	mg/l	-
COD	NA			NA		38.000000	mg/l	-
Coliform	NA			NA		8.000000	bacteria/100 ml	-
Colour	NA			NA		0.6; 0.4; 0.0	m ¹ (436nm; 525nm; 620nm)	-
Oil and Grease	NA			NA		ND		-
Persistent Foam						Not Visible		-
pH	NA			NA		6.92	-	-
Phenol	NA			NA		ND		-
Temperature	NA			NA		31.700000	C	-
Total-N	NA			NA		7.430000	mg/l	-
Total-P	NA			NA		0.310000	mg/l	-
TSS	NA			NA		26.500000	mg/l	-

	INCOMING WATER		RAW WASTEWATER		SLUDGE		TREATED WASTEWATER		
Metals									
Antimony	0.005500	mg/l			NA		0.328900	mg/l	-
Arsenic	ND				ND		ND		-
Cadmium	ND				ND		ND		-
Chromium (VI)	ND				ND		ND		-
Chromium, total	ND				NA		0.010900	mg/l	-
Cobalt	ND				NA		0.001900	mg/l	-
Copper	ND				NA		0.010500	mg/l	-
Lead	0.001300	mg/l			42.700000	mg/l	0.003200	mg/l	-
Mercury	0.000130	mg/l			0.120000	mg/l	0.000120	mg/l	-
Nickel	ND				NA		0.007900	mg/l	-
Silver	ND				NA		ND		-
Zinc	0.004000	mg/l			NA		0.037800	mg/l	-
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers									
Nonylphenol (NP), mixed isomers	NA				ND		ND		-
Nonylphenol ethoxylates (NPEO)	NA				ND		ND		-
Octylphenol (OP), mixed isomers	NA				ND		ND		-
Octylphenol ethoxylates (OPEO)	NA				ND		ND		-
Flame Retardants									
2,2-bis(bromomethyl)-1,3-propane diol (BBMP)					ND		ND		-
Bis(2,3-dibromopropyl)phosphate (BIS)					ND		ND		-
Decabromodiphenyl ether (DecaBDE)					ND		ND		-
Hexabromocyclododecane (HBCDD)					ND		ND		-
Octabromodiphenyl ether (OctaBDE)					ND		ND		-
Pentabromodiphenyl ether (PentaBDE)					ND		ND		-
Polybromobiphenyls (PBB)					ND		ND		-
Short-chain chlorinated Paraffins (SCCP) (C10-C13)					ND		ND		-
Tetrabromobisphenol A (TBBPA)					ND		ND		-
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)					ND		ND		-
Tris(1-aziridinyl)phosphine oxide (TEPA)					ND		ND		-
Tris(2,3-dibromopropyl)-phosphate (TRIS)					ND		ND		-
Tris(2-chloroethyl)phosphate (TCEP)					ND		ND		-
Organotin Compounds									
Dibutyltin (DBT)	NA				ND		ND		-
Mono-, di- and tri-butyltin derivatives	NA				ND		ND		-
Mono-, di- and tri-methyltin derivatives	NA				ND		ND		-
Mono-, di- and tri-octyltin derivatives	NA				ND		ND		-
Mono-, di- and tri-phenyltin derivatives	NA				ND		ND		-
Perfluorinated and Polyfluorinated Chemicals (PFCs)									
6:2 FTOH	NA				ND		ND		-
8:2 FTOH	NA				ND		ND		-
PFBS	NA				ND		ND		-
PFHxA	NA				ND		ND		-
PFOA	NA				ND		ND		-
PFOS	NA				ND		ND		-

	INCOMING WATER		RAW WASTEWATER		SLUDGE		TREATED WASTEWATER		
Chlorophenols									
2,3,4,5-tetrachlorophenol	NA				ND		ND		-
2,3,4,6-tetrachlorophenol	NA				ND		ND		-
2,3,4-trichlorophenol	NA				ND		ND		-
2,3,5,6-tetrachlorophenol	NA				ND		ND		-
2,3,5-trichlorophenol	NA				ND		ND		-
2,3,6-trichlorophenol	NA				ND		ND		-
2,3-dichlorophenol	NA				ND		ND		-
2,4,5-trichlorophenol	NA				ND		ND		-
2,4,6-trichlorophenol	NA				ND		ND		-
2,4-dichlorophenol	NA				ND		ND		-
2,5-dichlorophenol	NA				ND		ND		-
2,6-dichlorophenol	NA				ND		ND		-
2-chlorophenol	NA				ND		ND		-
3,4,5-trichlorophenol	NA				ND		ND		-
3,4-dichlorophenol	NA				ND		ND		-
3,5-dichlorophenol	NA				ND		ND		-
3-chlorophenol	NA				ND		ND		-
4-chlorophenol	NA				ND		ND		-
Pentachlorophenol	NA				ND		ND		-
Tetrachlorophenol (TeCP)	NA				ND		ND		-
Dyes - Azo (Forming Restricted Amines)									
2,4,5-trimethylaniline	NA				ND		ND		-
2,4-xylidine	NA				ND		ND		-
2,6-xylidine	NA				ND		ND		-
2-naphthylamine	NA				ND		ND		-
3,3'-dichlorobenzidine	NA				ND		ND		-
3,3'-dimethoxybenzidine	NA				ND		ND		-
3,3'-dimethylbenzidine	NA				ND		ND		-
3,'3-dichlorobenzidine	NA				ND		ND		-
4,4'-methylene-bis-(2-chloro-aniline)	NA				ND		ND		-
4,4'-methylenedi-o-toluidine	NA				ND		ND		-
4,4'-methylenedianiline	NA				ND		ND		-
4,4'-oxydianiline	NA				ND		ND		-
4,4'-thiodianiline	NA				ND		ND		-
4-aminoazobenzene	NA				ND		ND		-
4-aminodiphenyl	NA				ND		ND		-
4-chloro-o-toluidine	NA				ND		ND		-
4-chloroaniline	NA				ND		ND		-
4-methoxy-m-phenylenediamine	NA				ND		ND		-
4-methyl-m-phenylenediamine	NA				ND		ND		-
5-nitro-o-toluidine	NA				ND		ND		-
6-methoxy-m-toluidine	NA				ND		ND		-
Benzidine	NA				ND		ND		-
o-aminoazotoluene	NA				ND		ND		-
o-anisidine	NA				ND		ND		-
o-toluidine	NA				ND		ND		-

	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER	
Dyes - Carcinogenic					
C.I. Acid Red 26	NA		ND	ND	-
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	NA		ND	ND	-
C.I. Basic Green 4 (malachite greenchloride)	NA		ND	ND	-
C.I. Basic Green 4 (malachite greenoxalate)	NA		ND	ND	-
C.I. Basic Green 4 (malachite green)	NA		ND	ND	-
C.I. Basic Red 9	NA		ND	ND	-
C.I. Basic Violet 14	NA		ND	ND	-
C.I. Direct Black 38	NA		ND	ND	-
C.I. Direct Blue 6	NA		ND	ND	-
C.I. Direct Red 28	NA		ND	ND	-
C.I. Disperse Blue 1	NA		ND	ND	-
C.I. Disperse Blue 3	NA		ND	ND	-
Disperse Orange 11	NA		ND	ND	-
Dyes - Disperse (Sensitizing)					
Disperse Blue 102	NA		ND	ND	-
Disperse Blue 106	NA		ND	ND	-
Disperse Blue 124	NA		ND	ND	-
Disperse Blue 26	NA		ND	ND	-
Disperse Blue 35	NA		ND	ND	-
Disperse Blue 7	NA		ND	ND	-
Disperse Brown 1	NA		ND	ND	-
Disperse Orange 1	NA		ND	ND	-
Disperse Orange 3	NA		ND	ND	-
Disperse Orange 37/59/76	NA		ND	ND	-
Disperse Red 1	NA		ND	ND	-
Disperse Red 11	NA		ND	ND	-
Disperse Red 17	NA		ND	ND	-
Disperse Yellow 1	NA		ND	ND	-
Disperse Yellow 3	NA		ND	ND	-
Disperse Yellow 39	NA		ND	ND	-
Disperse Yellow 49	NA		ND	ND	-
Disperse Yellow 9			ND	ND	-
Halogenated Solvents					
1,2-dichloroethane			ND	ND	-
Methylene chloride			ND	ND	-
Tetrachloroethylene			ND	ND	-
Trichloroethylene			ND	ND	-

	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER	
Chlorobenzenes and Chlorotoluenes					
1,2,3,4-Tetrachlorobenzene	NA		ND	ND	-
1,2,3,5-Tetrachlorobenzene	NA		ND	ND	-
1,2,3-Trichlorobenzene	NA		ND	ND	-
1,2,4,5-Tetrachlorobenzene	NA		ND	ND	-
1,2,4-Trichlorobenzene	NA		ND	ND	-
1,2-Dichlorobenzene	NA		ND	ND	-
1,3,5-Trichlorobenzene	NA		ND	ND	-
1,3-Dichlorobenzene	NA		ND	ND	-
1,4-Dichlorobenzene	NA		ND	ND	-
2,3,4,5-Tetrachlorotoluene	NA		ND	ND	-
2,3,4,6-Tetrachlorotoluene	NA		ND	ND	-
2,3,4-Trichlorotoluene	NA		ND	ND	-
2,3,5,6-Tetrachlorotoluene	NA		ND	ND	-
2,3,6-Trichlorotoluene	NA		ND	ND	-
2,3-Dichlorotoluene	NA		ND	ND	-
2,4,5-Trichlorotoluene	NA		ND	ND	-
2,4,6-Trichlorotoluene	NA		ND	ND	-
2,4-Dichlorotoluene	NA		ND	ND	-
2,5-Dichlorotoluene	NA		ND	ND	-
2,6-Dichlorotoluene	NA		ND	ND	-
2-Chlorotoluene	NA		ND	ND	-
3,4,5-Trichlorotoluene	NA		ND	ND	-
3,4-Dichlorotoluene	NA		ND	ND	-
3,5-Dichlorotoluene	NA		ND	ND	-
3-Chlorotoluene	NA		ND	ND	-
4-Chlorotoluene	NA		ND	ND	-
Alpha, alpha, alpha, 4-tetrachlorotoluene	NA		ND	ND	-
Alpha, alpha, alpha,2,6-tetrachlorotoluene	NA		ND	ND	-
Alpha, alpha,2,6-tetrachlorotoluene	NA		ND	ND	-
Alpha,2,4-Trichlorotoluene	NA		ND	ND	-
Alpha,2,6-Trichlorotoluene	NA		ND	ND	-
Alpha,3,4-Trichlorotoluene	NA		ND	ND	-
Hexachlorobenzene	NA		ND	ND	-
Monochlorobenzene	NA		ND	ND	-
Pentachlorobenzene	NA		ND	ND	-
Pentachlorotoluene	NA		ND	ND	-
Glycols					
2-ethoxyethanol			ND	ND	-
2-ethoxyethyl acetate			ND	ND	-
2-methoxyethanol			ND	ND	-
2-methoxyethylacetate			ND	ND	-
2-methoxypropylacetate			ND	ND	-
Bis(2-methoxyethyl)-ether			ND	ND	-
Ethylene glycol dimethyl ether			ND	ND	-
Triethylene glycol dimethyl ether			ND	ND	-

	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER
Otho-Phthalates - Including all ortho esters of phthalic acid				
1,2-benzenedicarboxylic acid, di-C6-8-branchedalkyl esters, C7-rich (DHP)	NA		ND	ND
1,2-benzenedicarboxylic acid, di-C7-11-branchedandlinear alkyl esters (DHNUP)	NA		ND	ND
Bis(2-methoxyethyl) phthalate (DMEP)	NA		ND	ND
Butyl benzyl phthalate (BBP)	NA		ND	ND
Di(ethylhexyl) phthalate (DEHP)	NA		ND	ND
Di-cyclohexyl phthalate (DCHP)	NA		ND	ND
Di-iso-decyl phthalate (DIDP)	NA		ND	ND
Di-iso-octyl phthalate (DIOP)	NA		ND	ND
Di-isobutyl phthalate (DIBP)	NA		ND	ND
Di-isononyl phthalate (DINP)	NA		ND	ND
Di-n-hexyl phthalate (DnHP)	NA		ND	ND
Di-n-octyl phthalate (DNOP)	NA		ND	ND
Di-n-propyl phthalate (DPRP)	NA		ND	ND
Dibutyl phthalate (DBP)	NA		ND	ND
Diethyl phthalate (DEP)	NA		ND	ND
Dinonyl phthalate (DNP)	NA		ND	ND
Polycyclic Aromatic Hydrocarbons (PAHs)				
Acenaphthene	NA		ND	ND
Acenaphthylene	NA		ND	ND
Anthracene	NA		ND	ND
Benzo[a]anthracene	NA		ND	ND
Benzo[a]pyrene (BaP)	NA		ND	ND
Benzo[b]fluoranthene	NA		ND	ND
Benzo[e]pyrene	NA		ND	ND
Benzo[ghi]perylene	NA		ND	ND
Benzo[j]fluoranthene	NA		ND	ND
Benzo[k]fluoranthene	NA		ND	ND
Chrysene	NA		ND	ND
Dibenz[a,h]anthracene	NA		ND	ND
Fluoranthene	NA		ND	ND
Fluorene	NA		ND	ND
Indeno[1,2,3-cd]pyrene	NA		ND	ND
Naphthalene	NA		ND	ND
Phenanthrene	NA		ND	ND
Pyrene	NA		ND	ND
Volatile Organic Compounds (VOC)				
Benzene	NA		ND	ND
m-Cresol	NA		ND	ND
o-Cresol	NA		ND	ND
p-Cresol	NA		38080.000000	µg/l
Xylene	NA		ND	ND

SAMPLE INFORMATION

The section below summarises the information regarding the samples and the testing laboratory.

SAMPLE DETAILS		LABORATORY DETAILS	
SampleCollection	15-May-2018	Laboratory	Intertek Testing Services Taiwan Ltd
DurationDate	07-Jun-2018	Lab Test Reference	TWNC00693148
ZDHC Test ID	TR44&L13	ZDHC Lab Status	PROVISIONALLY ACCEPTED(19-OCT-2017)
Sample Notes		Address	8F, No. 423 Ruiguang Rd., Neihu Dist. Taipei 11492 Neihu Taipei Taiwan
		Contact Name	Josephine Chang
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