

[Redacted]

Parent Company: [Redacted]
 Report Date: 18-May-2018
 ZDHCID: A240ZT62

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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: Aspirational Progressive Foundational Alert Not Analysed	NOT ANALYSED		NOT ANALYSED				0.00% 0.00% 34.48%		
MRSL Legend: Meets Requirements Doesn't Meet Requirements Not Analysed	NOT ANALYSED		NOT ANALYSED				65.52% 0.00%		
	0.00% 0.00%						100.00%		
CHEMICAL NAME	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	STANDARD TEST METHODS	
	INCOMING WATER		RAW WASTEWATER		SLUDGE		TREATED WASTEWATER		
Anions									
Cyanide									-
Sulfide									-
Sulfite									-
Conventional Parameters									
Ammonium-N									-
AOX									-
BOD5									-
COD									-
Coliform									-
Colour									-
Oil and Grease									-
Persistent Foam									-
pH									-
Phenol									-
Temperature									-
Total-N									-
Total-P									-
TSS									-

	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER
Metals				
Antimony			NA	0.10
Arsenic			187	0.046
Cadmium				ND
Chromium (VI)				ND
Chromium, total				ND
Cobalt				ND
Copper				ND
Lead				ND
Mercury				ND
Nickel				ND
Silver				ND
Zinc				ND
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers				
Nonylphenol (NP), mixed isomers				-
Nonylphenol ethoxylates (NPEO)				-
Octylphenol (OP), mixed isomers				-
Octylphenol ethoxylates (OPEO)				-
Flame Retardants				
2,2-bis(bromomethyl)-1,3-propane - diol (BBMP)				-
Bis(2,3-dibromopropyl)phosphate (BIS)				-
Decabromodiphenyl ether (DecaBDE)				-
Hexabromocyclododecane (HBCDD)				-
Octabromodiphenyl ether (OctaBDE)				-
Pentabromodiphenyl ether (PentaBDE)				-
Polybromobiphenyls (PBB)				-
Short-chainchlorinated Paraffins (SCCP) (C10-C13)				-
Tetrabromobisphenol A(TBBPA)				-
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)				-
Tris(1-aziridinyl)phosphine oxide (TEPA)				-
Tris(2,3-dibromopropyl)-phosphate (TRIS)				-
Tris(2-chloroethyl)phosphate (TCEP)				-
Organotin Compounds				
Dibutyltin (DBT)				-
Mono-, di- andtri-butyltin derivatives				-
Mono-, di- andtri-methyltin derivatives				-
Mono-, di- andtri-octyltin derivatives				-
Mono-, di- andtri-phenyltin derivatives				-
Perfluorinated and Polyfluorinated Chemicals (PFCs)				
6:2 FTOH				-
8:2 FTOH				-
PFBS				-
PFHxA				-
PFOA				-
PFOS				-

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

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

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

	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(DIHP)				-
1,2-benzenedicarboxylic acid, di-C7-11-branchedandlinear alkyl esters (DHNUP)				-
Bis(2-methoxyethyl) phthalate (DMEP)				-
Butyl benzyl phthalate (BBP)				-
Di(ethylhexyl) phthalate (DEHP)				-
Di-cyclohexyl phthalate (DCHP)				-
Di-iso-decyl phthalate (DIDP)				-
Di-iso-octyl phthalate (DIOP)				-
Di-isobutyl phthalate (DIBP)				-
Di-isononyl phthalate (DINP)				-
Di-n-hexyl phthalate (DnHP)				-
Di-n-octyl phthalate (DNOP)				-
Di-n-propyl phthalate (DPRP)				-
Dibutyl phthalate (DBP)				-
Diethyl phthalate (DEP)				-
Dinonyl phthalate (DNP)				-
Polycyclic Aromatic Hydrocarbons (PAHs)				
Acenaphthene				-
Acenaphthylene				-
Anthracene				-
Benzo[a]anthracene				-
Benzo[a]pyrene (BaP)				-
Benzo[b]fluoranthene				-
Benzo[e]pyrene				-
Benzo[ghi]perylene				-
Benzo[j]fluoranthene				-
Benzo[k]fluoranthene				-
Chrysene				-
Dibenz[a,h]anthracene				-
Fluoranthene				-
Fluorene				-
Indeno[1,2,3-cd]pyrene				-
Naphthalene				-
Phenanthrene				-
Pyrene				-
Volatile Organic Compounds (VOC)				
Benzene				-
m-Cresol				-
o-Cresol				-
p-Cresol				-
Xylene				-

SAMPLE INFORMATION

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

SAMPLE DETAILS		LABORATORY DETAILS	
Sample Collection	08-Mar-2018	Laboratory	SGSTaiwan
Duration Date	08-Mar-2018 23-Mar-2018	Lab Test Reference	PX/2018/30034
ZDHCTest ID	TR655MA17	ZDHCLab Status	PROVISIONALLY ACCEPTED(17-SEP-2017)
Sample Notes		Address	SL HL Product: a) No. 31, Wu Chyun Road, New taipei Industrial Park, Wu Ku District, New Taipei City 24886, Taiwan (ROC), 24886. b) No. 61, Kai fa Road, Nanzh Export Processing Zone, Kaohsiung 81170, Taiwan (ROC) 81170. Wastewater: No 136-11, Wu Kung Road, New Taipei Industrial Park, Wu Ku District, New Taipei City 24886 Wugu New Taipei Taiwan
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