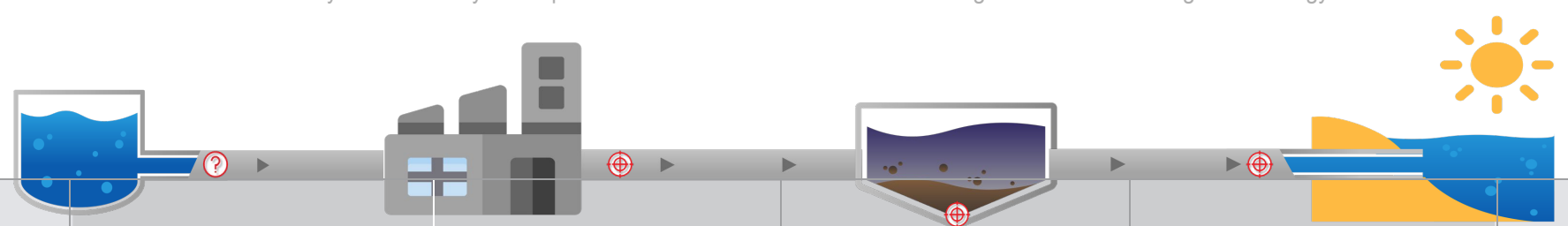


Parent Company: [REDACTED]  
 Report Date: 07-Jan-2019  
 ZDHCID: A894WT76

E-mail: [REDACTED]  
 Street Address: [REDACTED]  
 Telephone: [REDACTED]

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
<b>Conventional Legend:</b>		NOT ANALYSED	NOT ANALYSED	
<b>MRSL Legend:</b>		NOT ANALYSED	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	
<b>Anions</b>								
Cyanide	NA			ND		ND		-
Sulfide	NA			NA		ND		-
Sulfite	NA			NA		ND		-
<b>Conventional Parameters</b>								
Ammonium-N	NA			NA		1.500000	mg/l	-
AOX	NA			NA		ND		-
BOD5	NA			NA		ND		-
COD	NA			NA		ND		-
Coliform	NA			NA		ND		-
Colour	NA			NA		<0.1;<0.1;<0.1;	m <sup>1</sup> (436nm; 525nm; 620nm)	-
Oil and Grease	NA			NA		ND		-
Persistent Foam								-
pH	NA			NA		7.2	No Unit	-
Phenol	NA			NA		ND		-
Temperature	NA			NA		34.300000	C	-
Total-N	NA			NA		ND		-
Total-P	NA			NA		ND		-
TSS	NA			NA		ND		-

	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER
<b>Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers</b>				
Nonylphenol (NP), mixed isomers	ND		10600.000000 µg/l	ND
Nonylphenol ethoxylates (NPEO)	ND		ND	ND
Octylphenol (OP), mixed isomers	ND		400.000000 µg/l	ND
Octylphenol ethoxylates (OPEO)	ND		ND	ND
<b>Flame Retardants</b>				
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)				-
Bis(2,3-dibromopropyl)phosphate (BIS)	ND		ND	ND
Decabromodiphenyl ether (DecaBDE)	ND		ND	ND
Hexabromocyclododecane (HBCDD)	ND		ND	ND
Octabromodiphenyl ether (OctaBDE)	ND		ND	ND
Pentabromodiphenyl ether (PentaBDE)	ND		ND	ND
Polybromobiphenyls (PBB)	ND		ND	ND
Short-chain chlorinated Paraffins (SCCP) (C10-C13)	ND		ND	ND
Tetrabromobisphenol A (TBBPA)	ND		ND	ND
Tris(1,3-dichloro-isopropyl)phosphate (TDCP)	ND		ND	ND
Tris(1-aziridinyl)phosphine oxide (TEPA)	ND		ND	ND
Tris(2,3-dibromopropyl)-phosphate (TRIS)	ND		ND	ND
Tris(2-chloroethyl)phosphate (TCEP)	ND		ND	ND
<b>Metals</b>				
Antimony	ND		NA	ND
Arsenic	ND		3.000000 mg/l	ND
Cadmium	ND		ND	ND
Chromium (VI)	ND		ND	ND
Chromium, total	ND		NA	ND
Cobalt	ND		NA	ND
Copper	ND		NA	ND
Lead	ND		5.000000 mg/l	ND
Mercury	ND		1.000000 mg/l	ND
Nickel	ND		NA	ND
Silver	ND		NA	ND
Zinc	ND		NA	ND
<b>Organotin Compounds</b>				
Mono-, di- and tri-butyltin derivatives	ND		ND	ND
Mono-, di- and tri-methyltin derivatives	ND		ND	ND
Mono-, di- and tri-octyltin derivatives	ND		ND	ND
Mono-, di- and tri-phenyltin derivatives	ND		ND	ND
<b>Perfluorinated and Polyfluorinated Chemicals (PFCs)</b>				
6:2 FTOH	ND		ND	ND
8:2 FTOH	ND		ND	ND
PFBS	ND		ND	ND
PFHxA	ND		ND	ND
PFOA	ND		ND	ND
PFOS	ND		ND	ND

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

	INCOMING WATER		RAW WASTEWATER		SLUDGE		TREATED WASTEWATER		
<b>Dyes - Carcinogenic</b>									
C.I. Acid Red 26	ND				ND		ND		-
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)	ND				ND		ND		-
C.I. Basic Green 4 (malachite greenchloride)	ND				ND		ND		-
C.I. Basic Green 4 (malachite greenoxalate)	ND				ND		ND		-
C.I. Basic Green 4 (malachite green)	ND				ND		ND		-
C.I. Basic Red 9	ND				ND		ND		-
C.I. Basic Violet 14	ND				ND		ND		-
C.I. Direct Black 38	ND				ND		ND		-
C.I. Direct Blue 6	ND				ND		ND		-
C.I. Direct Red 28	ND				ND		ND		-
C.I. Disperse Blue 1	ND				ND		ND		-
C.I. Disperse Blue 3	ND				ND		ND		-
Disperse Orange 11	ND				ND		ND		-
<b>Dyes - Disperse (Sensitizing)</b>									
Disperse Blue 102	ND				ND		ND		-
Disperse Blue 106	ND				ND		ND		-
Disperse Blue 124	ND				ND		ND		-
Disperse Blue 26	ND				ND		ND		-
Disperse Blue 35	ND				ND		ND		-
Disperse Blue 7	ND				ND		ND		-
Disperse Brown 1	ND				ND		ND		-
Disperse Orange 1	ND				ND		ND		-
Disperse Orange 3	ND				ND		ND		-
Disperse Orange 37/59/76	ND				ND		ND		-
Disperse Red 1	ND				ND		ND		-
Disperse Red 11	ND				ND		ND		-
Disperse Red 17	ND				ND		ND		-
Disperse Yellow 1	ND				ND		ND		-
Disperse Yellow 3	ND				ND		ND		-
Disperse Yellow 39	ND				ND		ND		-
Disperse Yellow 49	ND				ND		ND		-
Disperse Yellow 9	ND				ND		ND		-
<b>Halogenated Solvents</b>									
1,2-dichloroethane	3.000000	µg/l			ND		ND		-
Methylene chloride	ND				ND		ND		-
Tetrachloroethylene	ND				ND		ND		-
Trichloroethylene	ND				ND		ND		-

	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER	
<b>Chlorobenzenes and Chlorotoluenes</b>					
1,2,3,4-Tetrachlorobenzene	ND		ND	ND	-
1,2,3,5-Tetrachlorobenzene	ND		ND	ND	-
1,2,3-Trichlorobenzene	ND		ND	ND	-
1,2,4,5-Tetrachlorobenzene	ND		ND	ND	-
1,2,4-Trichlorobenzene	ND		ND	ND	-
1,2-Dichlorobenzene	ND		ND	ND	-
1,3,5-Trichlorobenzene	ND		ND	ND	-
1,3-Dichlorobenzene	ND		ND	ND	-
1,4-Dichlorobenzene	ND		ND	ND	-
2,3,4,5-Tetrachlorotoluene	ND		ND	ND	-
2,3,4,6-Tetrachlorotoluene	ND		ND	ND	-
2,3,4-Trichlorotoluene	ND		ND	ND	-
2,3,5,6-Tetrachlorotoluene	ND		ND	ND	-
2,3,6-Trichlorotoluene	ND		ND	ND	-
2,3-Dichlorotoluene	ND		ND	ND	-
2,4,5-Trichlorotoluene	ND		ND	ND	-
2,4,6-Trichlorotoluene	ND		ND	ND	-
2,4-Dichlorotoluene	ND		ND	ND	-
2,5-Dichlorotoluene	ND		ND	ND	-
2,6-Dichlorotoluene	ND		ND	ND	-
2-Chlorotoluene	ND		ND	ND	-
3,4,5-Trichlorotoluene	ND		ND	ND	-
3,4-Dichlorotoluene	ND		ND	ND	-
3,5-Dichlorotoluene	ND		ND	ND	-
3-Chlorotoluene	ND		ND	ND	-
4-Chlorotoluene	ND		ND	ND	-
Hexachlorobenzene	ND		ND	ND	-
Monochlorobenzene	ND		ND	0.400000	µg/l
Pentachlorobenzene	ND		ND	ND	-
Pentachlorotoluene	ND		ND	ND	-
<b>Glycols</b>					
2-ethoxyethanol	ND		ND	ND	-
2-ethoxyethyl acetate	ND		ND	ND	-
2-methoxyethanol	ND		ND	ND	-
2-methoxyethylacetate	ND		ND	ND	-
2-methoxypropylacetate	ND		ND	ND	-
Bis(2-methoxyethyl)-ether	ND		ND	ND	-
Ethylene glycol dimethyl ether	ND		ND	ND	-
Triethylene glycol dimethyl ether	ND		ND	ND	-

	INCOMING WATER	RAW WASTEWATER	SLUDGE	TREATED WASTEWATER
<b>Otho-Phthalates - Including all ortho esters of phthalic acid</b>				
1,2-benzenedicarboxylic acid, di-C6-8-branchedalkyl esters, C7-rich (DHP)	ND		ND	-
1,2-benzenedicarboxylic acid, di-C7-11-branchedandlinear alkyl esters (DHNUP)	ND		ND	-
Bis(2-methoxyethyl) phthalate (DMEP)	ND		ND	-
Butyl benzyl phthalate (BBP)	ND		ND	-
Di(ethylhexyl) phthalate (DEHP)	ND		2000.000000 µg/l	-
Di-cyclohexyl phthalate (DCHP)	ND		ND	-
Di-iso-decyl phthalate (DIDP)	ND		ND	-
Di-iso-octyl phthalate (DIOP)	ND		ND	-
Di-isobutyl phthalate (DIBP)	ND		ND	-
Di-isononyl phthalate (DINP)	ND		ND	-
Di-n-hexyl phthalate (DnHP)	ND		ND	-
Di-n-octyl phthalate (DNOP)	ND		ND	-
Di-n-propyl phthalate (DPRP)	ND		ND	-
Dibutyl phthalate (DBP)	ND		ND	-
Diethyl phthalate (DEP)	ND		ND	-
Dinonyl phthalate (DNP)	ND		ND	-
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>				
Acenaphthene	ND		ND	-
Acenaphthylene	ND		ND	-
Anthracene	ND		ND	-
Benzo[a]anthracene	ND		ND	-
Benzo[a]pyrene (BaP)	ND		ND	-
Benzo[b]fluoranthene	ND		ND	-
Benzo[e]pyrene	ND		ND	-
Benzo[ghi]perylene	ND		ND	-
Benzo[j]fluoranthene	ND		ND	-
Benzo[k]fluoranthene	ND		ND	-
Chrysene	ND		ND	-
Dibenz[a,h]anthracene	ND		ND	-
Fluoranthene	ND		ND	-
Fluorene	ND		ND	-
Indeno[1,2,3-cd]pyrene	ND		ND	-
Naphthalene	ND		ND	-
Phenanthrene	ND		ND	-
Pyrene	ND		ND	-
<b>Volatile Organic Compounds (VOC)</b>				
Benzene	ND		ND	-
m-Cresol	ND		ND	-
o-Cresol	ND		ND	-
p-Cresol	ND		ND	-
Xylene	ND		ND	-

### SAMPLE INFORMATION

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

SAMPLE DETAILS		LABORATORY DETAILS	
SampleCollection	21-Aug-2018	Laboratory	SGS- CSTCStandard Technical Services (Shanghai) Co., Ltd. Testing Center
DurationDate	21-Aug-2018 06-Sep-2018	LabTestReference	SHE18-51665
ZDHC TestID	TR706TC97	ZDHC LabStatus	PROVISIONALLY ACCEPTED(17-SEP-2017)
Sample Notes		Address	No.889, Yishan Road, Xuhui District, Shanghai, 200233, China Xuhui Shanghai China
		ContactName	Yvonne Wang
		ContactE-mail	Yvonne-rr.wang@sgs.com