



ClearStream

By ZDHC

Sifta Srl

Parent Company:

Azienda Foderami Dragoni Spa

Report Date:

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ZDHC ID:

A358JI25

E-mail:

riccardo.clerici@sifta.it

Street Address:

Via Privata Cefalù, 26 Milan Lombardia Italy

Telephone:

+39 0238005758

Version:

ZDHC Wastewater Guidelines V1.1

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.

Temperature data is not currently scored on the Clearstream Report.

	INCOMING WATER	RAW WASTEWATER	SLUDGE	DISCHARGE WASTEWATER													
<p>Conventional Legend:</p> <ul style="list-style-type: none"> ■ Aspirational ■ Progressive ■ Foundational ■ Alert ■ Not Analysed 	NOT ANALYSED	NOT ANALYSED		<table border="1"> <caption>Discharge Wastewater - Conventional Legend</caption> <tr><th>Category</th><th>Percentage</th></tr> <tr><td>Aspirational</td><td>33.33%</td></tr> <tr><td>Progressive</td><td>20.00%</td></tr> <tr><td>Foundational</td><td>43.33%</td></tr> <tr><td>Alert</td><td>0.00%</td></tr> <tr><td>Not Analysed</td><td>3.33%</td></tr> </table>	Category	Percentage	Aspirational	33.33%	Progressive	20.00%	Foundational	43.33%	Alert	0.00%	Not Analysed	3.33%	
Category	Percentage																
Aspirational	33.33%																
Progressive	20.00%																
Foundational	43.33%																
Alert	0.00%																
Not Analysed	3.33%																
<p>MRSL Legend:</p> <ul style="list-style-type: none"> ■ Meets Requirements ■ Doesn't Meet Requirements ■ Not Analysed 	NOT ANALYSED	NOT ANALYSED		<table border="1"> <caption>Discharge Wastewater - MRSL Legend</caption> <tr><th>Category</th><th>Percentage</th></tr> <tr><td>Meets Requirements</td><td>100.00%</td></tr> <tr><td>Doesn't Meet Requirements</td><td>0.00%</td></tr> <tr><td>Not Analysed</td><td>0.00%</td></tr> </table>	Category	Percentage	Meets Requirements	100.00%	Doesn't Meet Requirements	0.00%	Not Analysed	0.00%					
Category	Percentage																
Meets Requirements	100.00%																
Doesn't Meet Requirements	0.00%																
Not Analysed	0.00%																

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Conventional Parameters									
Phenol							ND		-
COD							43	mg/l	-
Oil and Grease							ND		-
TSS							20	mg/l	-
BOD5							15	mg/l	-
Persistent Foam									-
COLOUR 436 NM							1.1	M-1	-
COLOUR 525 NM							1	M-1	-
COLOUR 620 NM							1	M-1	-
Coliform							70	bacteria/100 ml	-
Temp-Difference									-
Temp-Discharge Pipe									-
Total-P							0.38	mg/l	-
Temp-Receiving Water									-
Total-N							2.4	mg/l	-
pH							7.9	None	-
Ammonium-N							ND		-
AOX							ND		-
Anions									
Cyanide							ND		-
Sulfite							ND		-
Sulfide							ND		-
Metals									
Copper							0.62	mg/l	-
Antimony							0.0055	mg/l	-
Cadmium							ND		-
Mercury							ND		-
Silver							ND		-
Lead							0.022	mg/l	-
Chromium, total							0.016	mg/l	-
Cobalt							0.006	mg/l	-
Nickel							0.0046	mg/l	-
Zinc							0.07	mg/l	-
Arsenic							0.0086	mg/l	-
Chromium (VI)							ND		-
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers									
Octylphenol ethoxylates (OPEO)							ND		-
Octylphenol (OP), mixed isomers							ND		-
Nonylphenol (NP), mixed isomers							ND		-
Nonylphenol ethoxylates (NPEO)							ND		-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Chlorobenzenes and Chlorotoluenes									
2,3,4,5-Tetrachlorotoluene							ND		-
2,3,4,6-Tetrachlorotoluene							ND		-
Monochlorobenzene							ND		-
2,4,6-Trichlorotoluene							ND		-
2,3,5,6-Tetrachlorotoluene							ND		-
Pentachlorobenzene							ND		-
1,2-Dichlorobenzene							ND		-
2,4-Dichlorotoluene							ND		-
3-Chlorotoluene							ND		-
Hexachlorobenzene							ND		-
1,3,5-Trichlorobenzene							ND		-
1,2,3,4-Tetrachlorobenzene							ND		-
1,2,3,5-Tetrachlorobenzene							ND		-
1,4-Dichlorobenzene							ND		-
2,5-Dichlorotoluene							ND		-
1,2,3-Trichlorobenzene							ND		-
3,5-Dichlorotoluene							ND		-
2,3,4-Trichlorotoluene							ND		-
3,4,5-Trichlorotoluene							ND		-
3,4-Dichlorotoluene							ND		-
2,3,6-Trichlorotoluene							ND		-
2,4,5-Trichlorotoluene							ND		-
Pentachlorotoluene							ND		-
1,3-Dichlorobenzene							ND		-
1,2,4-Trichlorobenzene							ND		-
1,2,4,5-Tetrachlorobenzene							ND		-
2-Chlorotoluene							ND		-
4-Chlorotoluene							ND		-
2,3-Dichlorotoluene							ND		-
2,6-Dichlorotoluene							ND		-
Chlorophenols									
2,4,6-trichlorophenol							ND		-
2,3,5-trichlorophenol							ND		-
2,6-dichlorophenol							ND		-
2,3-dichlorophenol							ND		-
2-chlorophenol							ND		-
4-chlorophenol							ND		-
2,5-dichlorophenol							ND		-
2,3,4,5-tetrachlorophenol							ND		-
2,3,6-trichlorophenol							ND		-
Pentachlorophenol							ND		-
3,4,5-trichlorophenol							ND		-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
2,3,4,6-tetrachlorophenol							ND		-
2,3,5,6-tetrachlorophenol							ND		-
2,4-dichlorophenol							ND		-
2,4,5-trichlorophenol							ND		-
3,5-dichlorophenol							ND		-
3,4-dichlorophenol							ND		-
3-chlorophenol							ND		-
2,3,4-trichlorophenol							ND		-
Dyes - Azo (Forming Restricted Amines)									
4-methoxy-m-phenylenediamine							ND		-
Benzidine							ND		-
2-naphthylamine							ND		-
4-methyl-m-phenylenediamine							ND		-
2,4-xylydine							ND		-
4,4'-thiodianiline							ND		-
4,4'-methylenedianiline							ND		-
4,4'-methylenedi-o-toluidine							ND		-
4-aminoazobenzene							ND		-
3,3'-dichlorobenzidine							ND		-
4,4'-methylene-bis-(2-chloro-aniline)							ND		-
4,4'-oxydianiline							ND		-
4-chloroaniline							ND		-
3,3'-dimethoxybenzidine							ND		-
3,3'-dimethylbenzidine							ND		-
6-methoxy-m-toluidine							ND		-
2,4,5-trimethylaniline							ND		-
2,6-xylydine							ND		-
o-anisidine							ND		-
4-aminodiphenyl							ND		-
o-toluidine							ND		-
4-chloro-o-toluidine							ND		-
o-aminoazotoluene							ND		-
5-nitro-o-toluidine							ND		-
Dyes - Carcinogenic									
Disperse Orange 11							ND		-
C.I. Basic Red 9							ND		-
C.I. Acid Red 26							ND		-
C.I. Basic Green 4 (malachite green oxalate)							ND		-
C.I. Direct Blue 6							ND		-
C.I. Disperse Blue 3							ND		-
C.I. Disperse Blue 1							ND		-
C.I. Direct Red 28							ND		-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
C.I. Direct Black 38							ND		-
C.I. Basic Violet 14							ND		-
C.I. Basic Blue 26 (with Michler's Ketone > 0.1%)							ND		-
C.I. Basic Green 4 (malachite green chloride)							ND		-
C.I. Basic Green 4 (malachite green)							ND		-
Dyes - Disperse (Sensitizing)									
Disperse Yellow 3							ND		-
Disperse Red 17							ND		-
Disperse Blue 7							ND		-
Disperse Blue 26							ND		-
Disperse Yellow 49							ND		-
Disperse Blue 124							ND		-
Disperse Orange 3							ND		-
Disperse Yellow 1							ND		-
Disperse Orange 37/59/76							ND		-
Disperse Red 11							ND		-
Disperse Red 1							ND		-
Disperse Yellow 9							ND		-
Disperse Brown 1							ND		-
Disperse Blue 35							ND		-
Disperse Blue 102							ND		-
Disperse Blue 106							ND		-
Disperse Yellow 39							ND		-
Disperse Orange 1							ND		-
Halogenated Solvents									
Methylene chloride							ND		-
Trichloroethylene							ND		-
Tetrachloroethylene							ND		-
1,2-dichloroethane							ND		-
Flame Retardants									
Tris(2-chloroethyl)phosphate (TCEP)							ND		-
Tris(2,3-dibromopropyl)phosphate (TRIS)							ND		-
Pentabromodiphenyl ether (PentaBDE)							ND		-
Octabromodiphenyl ether (OctaBDE)							ND		-
Tris(1-aziridinyl)phosphine oxide (TEPA)							ND		-
Tetrabromobisphenol A (TBBPA)							ND		-
Hexabromocyclododecane (HBCDD)							ND		-
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)							ND		-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
Short-chain chlorinated Paraffins (SCCP) (C10-C13)							ND		-
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)							ND		-
Polybromobiphenyls (PBB)							ND		-
Bis(2,3-dibromopropyl)phosphate (BIS)							ND		-
Decabromodiphenyl ether (DecaBDE)							ND		-
Organotin Compounds									
Mono-, di- and tri-methyltin derivatives							ND		-
Mono-, di- and tri-butyltin derivatives							ND		-
Mono-, di- and tri-octyltin derivatives							ND		-
Mono-, di- and tri-phenyltin derivatives							ND		-
Perfluorinated and Polyfluorinated Chemicals (PFCs)									
PFBS							ND		-
PFHxA							ND		-
8:2 FTOH							ND		-
6:2 FTOH							ND		-
PFOS							ND		-
PFOA							ND		-
Glycols									
Bis(2-methoxyethyl)-ether							ND		-
2-ethoxyethyl acetate							ND		-
Ethylene glycol dimethyl ether							ND		-
2-methoxyethanol							ND		-
Triethylene glycol dimethyl ether							ND		-
2-methoxypropylacetate							ND		-
2-ethoxyethanol							ND		-
2-methoxyethylacetate							ND		-
Ortho-Phthalates - Including all ortho esters of phthalic acid									
Bis(2-methoxyethyl) phthalate (DMEP)							ND		-
Di-iso-decyl phthalate (DIDP)							ND		-
Di-n-hexyl phthalate (DnHP)							ND		-
Dibutyl phthalate (DBP)							ND		-
Dinonyl phthalate (DNP)							ND		-
Di-n-propyl phthalate (DPRP)							ND		-
Di-isobutyl phthalate (DIBP)							ND		-
Di-iso-octyl phthalate (DIOP)							ND		-
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)							ND		-

CHEMICAL NAME		UNIT		UNIT		UNIT		UNIT	STANDARD TEST METHODS
	INCOMING WATER		RAW WASTEWATER		SLUDGE		DISCHARGE WASTEWATER		
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)							ND		-
Di-isononyl phthalate (DINP)							ND		-
Di(ethylhexyl) phthalate (DEHP)							ND		-
Di-n-octyl phthalate (DNOP)							ND		-
Butyl benzyl phthalate (BBP)							ND		-
Diethyl phthalate (DEP)							ND		-
Di-cyclohexyl phthalate (DCHP)							ND		-
Polycyclic Aromatic Hydrocarbons (PAHs)									
Anthracene							ND		-
Pyrene							ND		-
Benzo[ghi]perylene							ND		-
Benzo[e]pyrene							ND		-
Indeno[1,2,3-cd]pyrene							ND		-
Benzo[j]fluoranthene							ND		-
Benzo[b]fluoranthene							ND		-
Benzo[k]fluoranthene							ND		-
Acenaphthylene							ND		-
Chrysene							ND		-
Dibenz[a,h]anthracene							ND		-
Fluorene							ND		-
Naphthalene							ND		-
Fluoranthene							ND		-
Phenanthrene							ND		-
Benzo[a]pyrene (BaP)							ND		-
Acenaphthene							ND		-
Benzo[a]anthracene							ND		-
Volatile Organic Compounds (VOC)									
o-Cresol							ND		-
p-Cresol							ND		-
m-Cresol							ND		-
Xylene							ND		-
Benzene							ND		-

SAMPLE INFORMATION

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

SAMPLE DETAILS	
Sample Collection	20-Nov-2020
Duration Date	20-Nov-2020 20-Nov-2020
ZDHC Test ID	TR558PO40
Sample Notes	

LABORATORY DETAILS	
Laboratory	Centro Tessile Cotoniero e Abbigliamento SpA
Lab Test Reference	20TA00660
ZDHC Lab Status	PROVISIONALLY ACCEPTED (08-APR-2019)
Address	Piazza Sant'Anna, 2, Busto Arsizio, 21052 Busto Arsizio Varese Italy
Contact Name	Grazia Cerini
Contact E-mail	grazia.cerini@centrocot.it