LAB REPORT

Report number	(9625)069-0700		
Date of sampling (dd/mm/yyyy)	06/03/2025		
Date of report (dd/mm/yyyy)	05/04/2025		
Factory company name	BEJIANG VIETNAM TEXTILE COMPANY LIMITED		
Factory address	HAI HA INDUSTRIAL ZONE- QUANG PHONG COMMUNE- HAI HA DISTRICT-QUANG NINH PROVINCE		
Discharge type	Indirect Discharge with Pretreatment		
Discharge destination name & address	CETP of Hai Ha Industrial Zone		
Average total industrial wastewater generated	≥15 m^3 per day	**Manufacturing process type**	Textile
Onsite ETP / Pretreatment	Yes	**Homogenization Tank & Average Holding Time**	Yes (raw), <12h Yes (effluent), <12h
ZDHC sampler accreditation certification number		CD74D106819674	
Sample description & Sample collection method			
Untreated wastewater (raw)	I001, black liquid, grab at 11:40		
Discharged wastewater (effluent)	I002,yellow liquid, grab sample at 11:15		
Sludge	I003, black solid, composite sample at 11:47		
Local legal data			
Local legal standard name & number [a]	Contractual agreement by CETP		
Parameters (ZDHC WWG V2.2, Table 2 & 3) exceeded local regulation	Meet		
Discharge permit provided	Yes		
ZDHC overall results			
Wastewater MRSL	Not detected		
Wastewater metals	Meet foundational limit		
Wastewater conventional and anions	Not applicable		
Sludge disposal pathway	C	**Sludge**	Sample and report only

Report Number (9625)069-0700

Internal Description				
Sample reference number	(9625)069-0700			
Date & time of the beginning of sampling	06/03/2025	11:15		
Date & time of the end of sampling	06/03/2025	12:00		
Sample received date	06/03/2025			
Testing period	From	07/03/2025	to	05/04/2025
Sample holding time exceeded	No			
Sample temperature when received from lab	5.8	°C		
Comments	No comment			

If there are questions or concerns on this report, please contact the following persons:

General enquiry and invoicing Mart Tran
Mart.tran@bureauveritas.com, (8408) 3742 1604~6

Technical enquiry Suri Tran
Suri.tran@bureauveritas.com, (84-8) 3742 1604~6

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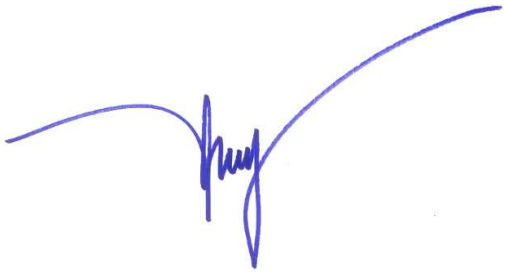


ANALYTICAL LAB MANAGER

Summary of test results

Wastewater / MRSL - Test Items	Raw I001
AP and APEOs	ND
Antimicrobials and Biocides	ND
Chlorinated Paraffins	ND
Chlorobenzenes and Chlorotoluenes	ND
Chlorophenols	ND
DMFa	ND
Dyes-Carcinogenic or Equivalent Concern	ND
Dyes-Disperse (Allergenic)	ND
Dyes-Navy Blue Colourant	NA
Flame Retardants	ND
Glycols / Glycol Ethers	ND
Halogenated Solvents	ND
Organotin Compounds	ND
Other / Miscellaneous Chemicals	ND
PFCs	ND
Phthalates	ND
PAHs	ND
Restricted Aromatic Amines	ND
UV Absorbers	ND
VOC	ND

Summary of test results

Wastewater / Metals - Test Items	Effluent I002
Antimony	NA
Chromium (VI)	Meet aspirational
Barium	NA
Selenium	NA
Tin	NA
Arsenic	Meet foundational
Total Chromium	NA
Cobalt	NA
Cadmium	Meet aspirational
Copper	NA
Lead	Meet aspirational
Nickel	NA
Silver	NA
Zinc	NA
Mercury	Meet aspirational
Wastewater / Conventional & Anions - Test Items	**Effluent I002**
pH [f]	NA
Temperature difference [f]	NA
E.coli	NA
Colour	NA
Persistent foam [f]	NA
Wastewater flowrate [f]	NA
Ammonium-Nitrogen (S)	NA
AOX	NA
BOD5	NA
COD	NA
DO [f]	NA
Oil & Grease	NA
Total Phenols (S)	NA
Total Chlorine [f]	NA
TDS	NA
Total Nitrogen (S)	NA
Total Phosphorus	NA
TSS	NA
Chloride	NA
Cyanide, total (S)	NA
Sulphate	NA
Sulphide	NA
Sulphite	NA

Summary of test results **Sludge Disposal Pathway = C**

Sludge / Sludge Parameters - Test Items	Sludge I003
AP and APEOs	Report only
PAHs	Report only
Chlorotoluenes	Report only
Antimony	NA
Arsenic	NA
Barium	NA
Cadmium	NA
Cobalt	NA
Copper	NA
Lead	NA
Nickel	NA
Selenium	NA
Silver	NA
Zinc	NA
Total Chromium	NA
Chromium (VI)	NA
Mercury	NA
pH	NA
Fecal Coliform	NA
% Solids	Report only
Paint Filter Test	NA
Cyanide (S)	NA

Sludge flux and/or sludge flow data: NA

Remark (indicated in each parameter)		
ND	=	Not detected (below lab reporting limit)
D	=	Detected (above lab reporting limit)
Exceed foundational	=	Parameter exceeds the foundational limit
Meet foundational	=	Parameter meets the foundational limit
Meet progressive	=	Parameter meets the progressive limit
Meet aspirational	=	Parameter meets the aspirational limit
Report only	=	Parameter is for report only, please refer to the data
NA	=	Not applicable
Meet disposal pathway	=	Parameter meets the sludge disposal pathway limit
Exceed disposal pathway	=	Parameter exceeds the sludge disposal pathway limit
[a]	=	The local legal standard name and legal standard number is referenced to discharge permit (or contractual agree by CETP) that provided by company.
(f)	=	Parameter tested in field
(T)	=	Handling temperature exceeded
@	=	Maximum holding time exceeded
*	=	See remark
(S)	=	Analysis was subcontracted for testing

1) Test result - Wastewater / MRSL
1A) AP and APEOs: including all isomers

ISO 18857-2

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	5	5	ND			
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	5	5	ND			
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	5	5	ND			
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	5	5	ND			

1B) Anti-Microbials & Biocides

US EPA 8270 E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS
BS EN 12673-1999 an alternative method of solventextraction and derivatization are included

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
o-Phenylphenol (+salts)	90-43-7	100	100	ND			
Triclosan	3380-34-5	100	100	ND			
Permethrin	Multiple 52645-53-1	500	500	ND			

1C) Chlorinated Parafins

EPA 3510 and analyzed by ISO18219-2:2021 Method for MCCP with GC-MS(NCI) or LC-MS/MS &EPA 3510 and analyzed by ISO18219-1:2021, ISO 12010:2019 Methods for SCCP with GC-MS(NCI) or LC-MS/MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
MCCPs (C14-C17)	85535-85-9	500	500	ND			
SCCPs (C10'-C13)	85535-84-8	25	25	ND			

1D) Chlorobenzenes and Chlorotoluenes

USEPA 8260D

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-dichlorobenzene	95-50-1	0.2	0.2	ND			
Other isomers of mono-, di-, tri-, tetra-, penta-, and hexa- chlorobenzene and mono-, di-, tri-, tetra-, and penta- chlorotoluene	Multiple 108-90-7, 541-73-1, 106-46-7, 87-61-6, 120-82-1, 108-70-3, 634-66-2, 634-90-2, 95-94-3, 608-93-5, 118-74-1, 95-49-8, 108-41-8, 106-43-4, 32768-54-0, 95-73-8, 19398-61-9, 118-69-4, 95-75-0, 25186-47-4, 7359-72-0, 2077-46-5, 6639-30-1, 23749-65-7, 21472-86-6, 1006-32-2, 875-40-1, 1006-31-1, 877-11-2	0.2	0.2	ND			

1E) Chlorophenols

USEPA 8270E Solvent extraction, derivatisation with KOH, acetic anhydride followed by GC-MS BS EN 12673-1999 the procedure of solvent extraction and derivatisation are included

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-chlorophenol	95-57-8	0.5	0.5	ND			
2,3-dichlorophenol	576-24-9	0.5	0.5	ND			
2,3,4-trichlorophenol	15950-66-0	0.5	0.5	ND			
2,3,5-trichlorophenol	933-78-8	0.5	0.5	ND			
2,3,6-trichlorophenol	933-75-5	0.5	0.5	ND			
2,4-dichlorophenol	120-83-2	0.5	0.5	ND			
2,4,5-trichlorophenol	95-95-4	0.5	0.5	ND			
2,4,6-trichlorophenol	88-06-2	0.5	0.5	ND			
2,5-dichlorophenol	583-78-8	0.5	0.5	ND			
2,6-dichlorophenol	87-65-0	0.5	0.5	ND			
3-chlorophenol	108-43-0	0.5	0.5	ND			
3,4-dichlorophenol	95-77-2	0.5	0.5	ND			
3,4,5-trichlorophenol	609-19-8	0.5	0.5	ND			
3,5-dichlorophenol	591-35-5	0.5	0.5	ND			
4-chlorophenol	106-48-9	0.5	0.5	ND			
Pentachlorophenol (PCP)	87-86-5	0.5	0.5	ND			
2,3,5,6-tetrachlorophenol	935-95-5	0.5	0.5	ND			
2,3,4,6-tetrachlorophenol	58-90-2	0.5	0.5	ND			
2,3,4,5-tetrachlorophenol	4901-51-3	0.5	0.5	ND			

1F) N,N-di-methylformamide (DMFa)

USEPA 8270E

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	1000	1000	ND			

1G) Dyes - Carcinogenic or Equivalent Concern

Liquid extraction, LC/MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Basic violet 3 with >0.1% of Michler's Ketone	548-62-9	500	500	ND			
C.I. Acid Red 26	3761-53-3	500	500	ND			
C.I. Acid Violet 49	1694-09-3	500	500	ND			
C.I. Basic Blue 26 (with Michler's Ketone >0.1%)	2580-56-5	500	500	ND			
C.I. Basic Green 4 (Malachite Green Chloride)	569-64-2	500	500	ND			
C.I. Basic Green 4 (Malachite Green Oxalate)	2437-29-8	500	500	ND			
C.I. Basic Green 4 (Malachite Green)	10309-95-2	500	500	ND			
C.I. Basic Red 9	569-61-9	500	500	ND			
C.I. Basic Violet 14	632-99-5	500	500	ND			
C.I. Direct Black 38	1937-37-7	500	500	ND			
C.I. Direct Blue 6	2602-46-2	500	500	ND			
C.I. Direct Red 28	573-58-0	500	500	ND			
C.I. Disperse Blue 1	2475-45-8	500	500	ND			
C.I. Disperse Blue 3	2475-46-9	500	500	ND			
C.I. Disperse Orange 11	82-28-0	500	500	ND			

1H) Dyes - Disperse (Allergenic)

Liquid extraction, LC/MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Disperse Blue 102	12222-97-8	50	50	ND			
Disperse Blue 106	12223-01-7	50	50	ND			
Disperse Blue 124	61951-51-7	50	50	ND			
Disperse Blue 26	3860-63-7	50	50	ND			
Disperse Blue 35	12222-75-2	50	50	ND			
Disperse Blue 35	56524-77-7	50	50	ND			
Disperse Blue 7	3179-90-6	50	50	ND			
Disperse Brown 1	23355-64-8	50	50	ND			
Disperse Orange 1	2581-69-3	50	50	ND			
Disperse Orange 3	730-40-5	50	50	ND			
Disperse Orange 37/59/76	13301-61-6	50	50	ND			
Disperse Red 1	2872-52-8	50	50	ND			
Disperse Red 11	2872-48-2	50	50	ND			
Disperse Red 17	3179-89-3	50	50	ND			
Disperse Yellow 1	119-15-3	50	50	ND			
Disperse Yellow 3	2832-40-8	50	50	ND			
Disperse Yellow 39	12236-29-2	50	50	ND			
Disperse Yellow 49	54824-37-2	50	50	ND			
Disperse Yellow 9	6373-73-5	50	50	ND			

1I) Dyes - Navy Blue Colourant

Liquid extraction, LC/MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Component 1: C39H23Cl-CrN7O12S 2Na Component 2: C46H-30CrN10O20S2 3Na	118685-33-9 Not allocated	NA	NA	NA			

1J) Flame Retardants

USEPA 8270E & Determined as total boron via ICP

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Boric acid	10043-35-3, 11113-50-1	500	500	ND			
Diboron trioxide	1303-86-2	500	500	ND			
Disodium octaborate	12008-41-2	500	500	ND			
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4	500	500	ND			
Tetraboron disodium heptaoxide, hydrate	12267-73-1	500	500	ND			
Hexabromocyclodecane (HBCDD)	3194-55-6	25	25	ND			
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	25	ND			
Polybromobiphenyls (PBB)	59536-65-1	25	25	ND			
Monobromobiphenyls (MonoBB)	Multiple	25	25	ND			
Monobromodiphenylethers (MonoBDEs)	Multiple	25	25	ND			
Dibromobiphenyls (DiBB)	Multiple	25	25	ND			
Dibromopropylether	21850-44-2	25	25	ND			
Tribromophenylethers (TriBDEs)	Multiple	25	25	ND			
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	25	ND			
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	25	ND			
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	25	ND			
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	25	ND			
Octabromobiphenyls (OctaBB)	Multiple	25	25	ND			
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	25	ND			
Nonabromobiphenyls (NonaBB)	Multiple	25	25	ND			
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	25	ND			
Decabromobiphenyl (DecaBB)	13654-09-6	25	25	ND			
Decabromophenyl ether (DecaBDE)	1163-19-5	25	25	ND			
Tetrabromobisphenol A (TBBPA)	79-94-7	25	25	ND			
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	25	25	ND			
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	25	ND			
Tris(1-aziridinyl) phosphone oxide (TEPA)	545-55-1	25	25	ND			
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	25	ND			
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	25	ND			
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	25	25	ND			
Footnote for boron flame retardant: Limit refers to the total elemental boron via ICP. If the total elemental boron content is higher than 500 µg/L, then all five boron flame retardant are non-conformant.							

1K) Glycols / Glycol Ethers

USEPA 8270E

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-ethoxyethanol	110-80-5	50	50	ND			
2-ethoxyethyl acetate	111-15-9	50	50	ND			
2-methoxyethanol	109-86-4	50	50	ND			
2-methoxyethylacetate	110-49-6	50	50	ND			
2-methyloxypropylacetate	70657-70-4	50	50	ND			
Bis(2-methoxyethyl)-ether	111-96-6	50	50	ND			
Ethylene glycol dimethyl ether	110-71-4	50	50	ND			
Triethylene glycol dimethyl ether	112-49-2	50	50	ND			

1L) Halogenated Solvents

USEPA 8260D Headspace GC-MS or Purge and trap GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-dichloroethane	107-06-2	1	1	ND			
Methylene chloride	75-09-2	1	1	ND			
Tetrachloroethylene	127-18-4	1	1	ND			
Trichloroethylene	79-01-6	1	1	ND			

1M) Organotin Compounds

ISO 17353 Derivatisation with NaB (C2H5) GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Dipropyltin compounds (DPT)	Multiple 867-36-7	0.01	0.01	ND			
Mono, di-, and tri-butyltin derivatives	Multiple 1118-46-3, 1461-22-9	0.01	0.01	ND			
Mono, di-, and tri-methyltin derivatives	Multiple 993-16-8, 753-73-1, 1066-45-1	0.01	0.01	ND			
Mono, di-, and tri-octyltin derivatives	Multiple 3091-25-6, 3542-36-7, 2587-76-0	0.01	0.01	ND			
Mono, di-, and tri-phenyltin derivatives	Mutiple 1124-19-2, 1135-99-5, 639-58-7	0.01	0.01	ND			
Tetrabutyltin componuds (TeBT)	Multiple 1461-25-2	0.01	0.01	ND			
Tetraethyltin compounds (TeET)	Multiple 597-64-8	0.01	0.01	ND			
Tetraoctyltin compounds (TeOT)	Multiple 3590-84-9	0.01	0.01	ND			
Tricyclohexyltin (TCyHT)	Multiple 3091-32-5	0.01	0.01	ND			
Tripropyltin compounds (TPT)	Multiple 2279-76-7	0.01	0.01	ND			

1N) Other / Miscellaneous Chemicals

AEEA: liquid extraction, LC-MSMS
Bisphenol A, Thiourea & Quinoline: Liquid extraction, LC-MS
Borate, zinc salt: determined as total boron and total zinc via ICP

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	500	500	ND			
Bisphenol A	80-05-7	10	10	ND			
Borate (Borate, zinc salt)	12767-90-7	100	100	ND			
Zinc salt (Borate, zinc salt)		100	100	126			
Quinoline	91-22-5	50	50	ND			
Silica (particles of respirable size)	14464-46-1	NA	NA	NA			
Thiourea	62-56-6	50	50	ND			

Footnote for borate, zinc salt: Limit refers to boron and zinc individually, not the salt. Total boron and total zinc values should be less than 100 µg/L to be conformant. When total boron is >100 µg/L and total zinc is <100 µg/L (or vice versa), the sample is still conformant.

1O) Perfluorinated and Polyfluorinated Chemicals (PFCs)

EPA 537:2020 + BS EN 12673-1999

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Perfluorooctane sulfonate (PFOS) and related substances	Multiple 1763-23-1	0.01	0.01	ND			
Perfluorooctanoic acid (PFOA) and related substances	Multiple 335-67-1	1	1	ND			

1P) Phthalates - including all other esters of ortho-phthalic acid

US EPA 8270E, ISO 18856 Dichloromethane extraction GC/MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
1,2-benzenedicarboxylic acid, di-C6-8 branched and liearalkyl esters, C7-rich (DIHP)	71888-89-6/ 84777-06-0	10	10	ND			
1,2-benzenedicarboxylic acid, di-C7-11 branched and liearalkyl esters (DHNUP)	68515-42-4/ 68515-50-4	10	10	ND			
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	10	10	ND			
Butyl benzyl phthalate (BBP)	85-68-7	10	10	ND			
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	10	ND			
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	10	ND			
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	10	ND			
Di-iso-butyl phthalate (DIBP)	84-69-5	10	10	ND			
Di-iso-nonyl phthalate (DINP)	28553-12-0	10	10	ND			
Di-n-hexyl phthalate (DnHP)	84-75-3	10	10	ND			
Di-n-octyl phthalate (DNOP)	117-84-0	10	10	ND			
Di-n-pentylphthalates	131-18-0	10	10	ND			
Di-n-propyl phthalate (DPRP)	131-16-8	10	10	ND			
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	10	ND			
Dibutyl phthalate (DBP)	84-74-2	10	10	ND			
Diethyl phthalate (DEP)	84-66-2	10	10	ND			
Diisopentylphthalates	605-50-5	10	10	ND			
Dinonyl phthalate (DNP)	84-76-4	10	10	ND			

1Q) Polycyclic Aromatic Hydrocarbons (PAHs)

DIN 38407-39 Solvent extraction GC/MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Acenaphthene	83-32-9	1	1	ND			
Acenaphthylene	208-96-8	1	1	ND			
Anthracene	120-12-7	1	1	ND			
Benzo[a]anthracene	56-55-3	1	1	ND			
Benzo[a]pyrene	50-32-8	1	1	ND			
Benzo[b]fluoranthene	205-99-2	1	1	ND			
Benzo[e]pyrene	192-97-2	1	1	ND			
Benzo[ghi]perylene	191-24-2	1	1	ND			
Benzo[j]fluoranthene	205-82-3	1	1	ND			
Benzo[k]fluoranthene	207-08-9	1	1	ND			
Chrysene	218-01-9	1	1	ND			
Dibenz[a,h]anthracene	53-70-3	1	1	ND			
Fluoranthene	206-44-0	1	1	ND			
Fluorene	86-73-7	1	1	ND			
Indeno[1,2,3-cd]pyrene	193-39-5	1	1	ND			
Naphthalene	91-20-3	1	1	ND			
Phenanthrene	85-01-8	1	1	ND			
Pyrene	129-00-0	1	1	ND			

1R) Restricted Aromatic Amines (Cleavable from Azo-colourants)

Reduction step with sodium dithionite, solvent extraction EPA 8270E

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-naphthylamine	91-59-8	0.1	0.1	ND			
2-naphthylammoniumacetate	553-00-4	0.1	0.1	ND			
2,4-xylidine	95-68-1	0.1	0.1	ND			
2,4,5-trimethylaniline	137-17-7	0.1	0.1	ND			
2,4,5-trimethylaniline hydrochloride	21436-97-5	0.1	0.1	ND			
2,6-xylidine	87-62-7	0.1	0.1	ND			
3',3-dichlorobenzidine	91-94-1	0.1	0.1	ND			
3,3-dimethoxylbenzidine	119-90-4	0.1	0.1	ND			
3,3-dimethylbenzidine	119-93-7	0.1	0.1	ND			
4-aminoazobenzene	60-09-3	0.1	0.1	ND			
4-aminodiphenyl	92-67-1	0.1	0.1	ND			
4-chloro-o-toluidine	95-69-2	0.1	0.1	ND			
4-chloro-o-toluidinium chloride	3165-93-3	0.1	0.1	ND			
4-chloroaniline	106-47-8	0.1	0.1	ND			
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	0.1	0.1	ND			
4-methoxy-m-phenylenediamine	615-05-4	0.1	0.1	ND			
4-methyl-m-phenylenediamine	95-80-7	0.1	0.1	ND			
4,4-methylene-bis-(2-chloro-aniline)	101-14-4	0.1	0.1	ND			
4,4-methylenedi-o-toluidine	838-88-0	0.1	0.1	ND			
4,4-methylenedianiline	101-77-9	0.1	0.1	ND			
4,4-oxydianiline	101-80-4	0.1	0.1	ND			
4,4-thiodianiline	139-65-1	0.1	0.1	ND			
5-nitro-o-toluidine	99-55-8	0.1	0.1	ND			
6-methoxy-m-toluidine	120-71-8	0.1	0.1	ND			
Benzidine	92-87-5	0.1	0.1	ND			
o-aminoazotoluene	97-56-3	0.1	0.1	ND			
o-anisidine	90-04-0	0.1	0.1	ND			
o-toluidine	95-53-4	0.1	0.1	ND			

1S) UV Absorbers

USEPA 8270, ISO 22032
Dichloromethane extraction GC-MS

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	100	ND			
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	100	ND			
2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320)	3846-71-7	100	100	ND			
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	100	ND			

1T) Volatile Organic Compounds (VOC)

Benzene: ISO 11423-1 Headspace or Purge and trap GC-MS USEPA 8260D Add ISO 20595 Static headspace for determination of VOC in wastewater
Cresol: ISO 11423-1 Headspace or Purge and trap GC-MS EPA 8270 BS EN 12673-1999
Toluene: USEPA 8260D
Xylene: ISO 11423-1 Headspace or Purge and trap GC-MS USEPA 8260D

Test Parameters	CAS Number	Reporting Limit		Result (µg/L)			
		TEXTILE	Lab	Raw I001			
Benzene	71-43-2	1	1	ND			
m-cresol	108-39-4	1	1	ND			
o-cresol	95-48-7	1	1	ND			
p-cresol	106-44-5	1	1	ND			
Toluene	108-88-3	1	1	ND			
Xylene	1330-20-7	1	1	ND			

2) Test result - Wastewater / Metals

USEPA 200.8;
USEPA 218.6 (Cr VI);
USEPA 200.8-SIM (Hg)

Test Parameters	Reporting limit, TEXTILE				Legal limit#	Result (mg/L)			
	Foundational	Progressive	Aspirational	Lab		Effluent I002			
Antimony	0.1	0.05	0.01	0.01	-	NA			
Chromium (VI)	0.05	0.005	0.001	0.001	0.09	ND			
Barium	Sample & report			1	-	NA			
Selenium	Sample & report			1	-	NA			
Tin	Sample & report			1	-	NA			
Arsenic	0.05	0.01	0.005	0.005	0.09	0.015			
Total Chromium	0.2	0.1	0.05	0.05	-	NA			
Cobalt	0.05	0.02	0.01	0.01	-	NA			
Cadmium	0.1	0.05	0.01	0.01	0.09	ND			
Copper	1	0.5	0.25	0.25	-	NA			
Lead	0.1	0.05	0.01	0.01	0.45	ND			
Nickel	0.2	0.1	0.05	0.05	-	NA			
Silver	0.1	0.05	0.005	0.005	-	NA			
Zinc	5	1	0.5	0.5	-	NA			
Mercury	0.1	0.005	0.001	0.001	0.009	ND			

Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.

3) Test result - Wastewater / Conventional and Anions

Test Parameters	Test Method	Reporting limit, TEXTILE				Legal limit#	Result		Unit
		Foundational	Progressive	Aspirational	Lab		Effluent I002		
Ph [f]	SMEWW 4500 H+	6-9			NA	-	NA		pH
Temperature difference [f]	USEPA 170.1	Δ+15	Δ+10	Δ+5	NA	-	NA		°C
E.coli	SM 9221B presumptive, AND sm 9221 f ec-mug	126 MPN/100-ml			126	-	NA		MPN/ 100-ml
Colour (436 nm)	ISO 7887-B	7	5	2	NA	-	NA		m-1
Colour (525 nm)		5	3	1	NA	-	NA		
Colour (620 nm)		3	2	1	NA	-	NA		
Persistent foam [f]	Visual estimation	No indication of persistent foam in receiving water			NA		NA		-
Wastewater flowrate [f]	-	15 m^3/day			NA	-	NA		m^3/day
Ammonium-Nitrogen (S)	SM 4500 NH3 - F	10	1	0.5	0.5	-	NA		mg/L
AOX	ISO 9562	3	0.5	0.1	0.1	-	NA		mg/L
BOD_5	SM 5210-B	30	15	8	8	-	NA		mg/L
COD	SMEWW 5220C/SM5220 D	150	80	40	40	-	NA		mg/L
DO [f]	ISO 5814	≥ 4			4	-	NA		mg/L
Oil & Grease	USEPA 1664	10	2	0.5	0.5	-	NA		mg/L
Total Phenols / Phenol Index (S)	SM 5530-B/C	0.5	0.01	0.001	0.001	-	NA		mg/L
Total Chlorine [f]	EPA 330.5	1			0.2	-	NA		mg/L
TDS	SMEWW 2540-C	Sample & report			20	-	NA		mg/L

Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.

3) Test result - Wastewater / Conventional and Anions (continue)

Test Parameters	Test Method	Reporting limit, TEXTILE				Legal limit#	Result		Unit
		Foundational	Progressive	Aspirational	Lab		Effluent I002		
Total Nitrogen (S)	APHA 4500N-C	20	10	5	5	-	NA		mg/L
Total Phosphorus	ISO 11885	3	0.5	0.1	0.1	-	NA		mg/L
TSS	SMEWW 2540D	50	15	5	5	-	NA		mg/L
Chloride	SMEWW 4110-B	Sample & report			0.5	-	NA		mg/L
Cyanide, total (S)	APHA 4500-CN	0.2	0.1	0.05	0.05	-	NA		mg/L
Sulphate	SMEWW 4110-B	Sample & report			0.5	-	NA		mg/L
Sulphide	ISO 10530	0.5	0.05	0.01	0.01	-	NA		mg/L
Sulphite	ISO 10304 - 3	2	0.5	0.2	0.2	-	NA		mg/L

Legal requirement based on regulation or standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters.

4A) Test result - Sludge / MRSL **Sludge Disposal Pathway = C**

Sludge - AP & APEOs

NP/ OP /NPEO: ISO 18857-2
OPEO: USEPA 3540 + ISO 18254-1 + ISO 18857-2

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
NPEO	Multiple 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	0.4	0.4	ND			mg/kg
NP, mixed isomers	Multiple 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	0.4	0.4	ND			mg/kg
OPEO	Multiple 9002-93-1, 9036-19-5, 68987-90-6	0.4	0.4	ND			mg/kg
OP, mixed isomers	Multiple 140-66-9, 1806-26-4, 27193-28-8	0.4	0.4	ND			mg/kg

Sludge - PAHs

USEPA 3540 + USEPA 3650 + USEPA 8270

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
Acenaphthene	83-32-9	0.2	0.2	ND			mg/kg
Acenaphthylene	208-96-8	0.2	0.2	ND			mg/kg
Anthracene	120-12-7	0.2	0.2	ND			mg/kg
Benzo[a]anthracene	56-55-3	0.2	0.2	ND			mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	0.2	ND			mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	0.2	ND			mg/kg
Benzo[e]pyrene	192-97-2	0.2	0.2	ND			mg/kg
Benzo[ghi]perylene	191-24-2	0.2	0.2	ND			mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	0.2	ND			mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	0.2	ND			mg/kg
Chrysene	218-01-9	0.2	0.2	ND			mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	0.2	ND			mg/kg
Fluoranthene	206-44-0	0.2	0.2	ND			mg/kg
Fluorene	86-73-7	0.2	0.2	ND			mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	0.2	ND			mg/kg
Naphthalene	91-20-3	0.2	0.2	ND			mg/kg
Phenanthrene	85-01-8	0.2	0.2	ND			mg/kg
Pyrene	129-00-0	0.2	0.2	ND			mg/kg

Sludge - Chlorotoluenes

USEPA 3540 + USEPA 3650 + USEPA 8270

Test Parameters	CAS Number	Reporting Limit		Result			Unit
		TEXTILE	Lab	Sludge I003			
Other isomers of mono-, di-, tri-, tetra-, and penta-chlorotoluene	Multiple 95-49-8, 108-41-8, 106-43-4, 32768-54-0, 95-73-8, 19398-61-9, 118-69-4/ 95-75-0/ 25186-47-4/ 7359-72-0/ 2077-46-5/ 6639-30-1/ 23749-65-7/ 1006-32-2/ 875-40-1/ 877-11-2	0.2	0.2	ND			mg/kg

4B) Test result - Sludge / Metals — Sludge Disposal Pathway = C

Preparation: US EPA 3060A (CRVI), EPA 3051A (Hg), EPA 3050 (other)
Analysis: USEPA 7199 (CRVI), EPA 6020B (other)

Test Parameters	Reporting Limit		Maximum Total Metals Limits Disposal Pathway G	Threshold Values			Result			Unit
	TEXTILE	Lab					Sludge I003			
Antimony	5	5	NA	12			NA			mg/kg
Arsenic	5	5	41	10			NA			mg/kg
Barium	200	200	500	700			NA			mg/kg
Cadmium	1	1	39	3			NA			mg/kg
Cobalt	400	400	NA	1600			NA			mg/kg
Copper	50	50	1500	200			NA			mg/kg
Lead	5	5	400	10			NA			mg/kg
Nickel	20	20	420	70			NA			mg/kg
Selenium	5	5	36	10			NA			mg/kg
Silver	50	50	NA	100			NA			mg/kg
Zinc	400	400	2800	1000			NA			mg/kg
Total Chromium	50	50	1200	100			NA			mg/kg
Chromium (VI)	20	20	50	50			NA			mg/kg
Mercury	1	1	17	1			NA			mg/kg

Test result - Leachate / Metals — Sludge Disposal Pathway = C

US.EPA Method 1311

Test Parameters	Reporting Limit	Sludge disposal pathway							Result			Unit
	Lab	A, B, C	D	E	F	G			Leachate -			
Antimony	0.6	NA	7.8	0.6	0.6	0.6			NA			mg/L
Arsenic	0.5	NA	2.75	0.5	0.5	0.5			NA			mg/L
Barium	35	NA	67.5	35	35	35			NA			mg/L
Cadmium	0.15	NA	0.58	0.15	0.15	0.15			NA			mg/L
Cobalt	80	NA	80	80	80	80			NA			mg/L
Copper	10	NA	17.5	10	10	10			NA			mg/L
Lead	0.5	NA	2.75	0.5	0.5	0.5			NA			mg/L
Nickel	3.5	NA	11.75	3.5	0.5	3.5			NA			mg/L
Selenium	0.5	NA	0.75	0.5	0.5	0.5			NA			mg/L
Silver	5	NA	5	5	5	5			NA			mg/L
Zinc	50	NA	50	50	50	50			NA			mg/L
Total Chromium	5	NA	5	5	5	5			NA			mg/L
Chromium (VI)	2.5	NA	3.75	2.5	2.5	2.5			NA			mg/L
Mercury	0.5	NA	1.25	0.5	0.5	0.5			NA			mg/L

4C) Test result - Sludge / Conventional & Anion **Sludge Disposal Pathway = C**

Test Parameters	Test Method	Reporting Limit	Sludge disposal pathway					Result			Unit
		Lab	A, B, C	D	E	F	G	Sludge I003			
pH	USEPA SW 9045D	NA	NA	5-11	5-11	6.5-9	6.5-9	NA			-
Fecal Coliform	USEPA 1681	NA	NA	NA	NA	<1000	<1000	NA			MPN/g
% Solids	EPA 160.3	NA	Sample & report					39.64			%
Paint Filter Test	EPA 9095B	NA	NA	Pass	Pass	Pass	Pass	NA			-
Cyanide (S)	Preparation: USEPA 9013 Analysis: EPA 9014	70	NA	85	70	70	70	NA			mg/kg

Appendix A - Discharge limit according to regulation

STT	Chất ô nhiễm	Đơn vị	Giới hạn cho phép	Tần suất quan trắc định kỳ	Quan trắc tự động, liên tục
1.	Lưu lượng	m^3/ng.đ	-	3 tháng/lần	Không thuộc đối tượng bắt buộc quan trắc môi trường tự động, liên tục (theo quy định tại Khoản 2 Điều 97 Nghị định số 08/2022/NĐ-CP ngày 10/01/2022 của Chính phủ)
2.	Nhiệt độ	mg/l	55		
3.	Màu	Pt/Co	900		
4.	pH	-	6-12		
5.	Amoni	mg/l	50		
6.	COD	mg/l	700		
7.	TSS	mg/l	500		
8.	BOD_5	mg/l	500		
9.	Asen (As)	mg/l	0,09		
10.	Thủy ngân (Hg)	mg/l	0,009		
11.	Chì (Pb)	mg/l	0,45		
12.	Cadimi (Cd)	mg/l	0,09		
13.	Crom hóa trị VI (Cr^{+6})	mg/l	0,09		
14.	Crom hóa trị III (Cr^{+3})	mg/l	0,9		
15.	Đồng	mg/l	1,8		
16.	Kẽm	mg/l	2,7		
17.	Niken	mg/l	0,45		
18.	Mangan	mg/l	0,9		
19.	Sắt	mg/l	4,5		
20.	Tổng Xianua	mg/l	0,09		
21.	Tổng phenol	mg/l	0,45		
22.	Tổng dầu mỡ khoáng	mg/l	9		
23.	Sunfua	mg/l	3		
24.	Florua	mg/l	9		
25.	Tổng nitơ	mg/l	60		
26.	Tổng photpho	mg/l	6		
27.	Clorua	mg/l	3.000		
28.	Clo dư	mg/l	5		
29.	Tổng các chất hoạt động bề mặt	mg/l	30		
30.	Coliform	MPN/100ml	10.000		
31.	Tổng hoạt độ phóng xạ α	mg/l	0,1		
32.	Tổng hoạt độ phóng xạ β	mg/l	1,0		
33.	Tổng hóa chất bảo vệ thực vật clo hữu cơ	mg/l	0,09	1 năm/lần	
34.	Tổng hoá chất bảo vệ thực vật photpho hữu cơ	mg/l	0,9		
35.	Tổng PCB	mg/l	0,009		

Appendix B - Photos of sampling points and samples (with relative time and date)

Photo of sampling point
06/03/2025, 11:42

Untreated Wastewater

Photo of sample (labelled sample bottle)
06/03/2025, 19:13

Untreated Wastewater

Photo of sampling point
06/03/2025, 11:19

Effluent

Photo of sample (labelled sample bottle)
06/03/2025, 19:22

Effluent

Photo of persistent foam
06/03/2025, 11:19

Effluent

Appendix B - Photos of sampling points and samples (with relative time and date) (continue)

Photo of sampling point
06/03/2025, 11:48

Sludge

Photo of sample (labelled sample bottle)
06/03/2025, 18:31

Sludge

Appendix C - Field Data Form

ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration

CPSD-AN-00613-DATA 07
Issue Date: February 20, 2024
Version No.: 1
Business Line: Analytical

Attach the completed field data form in the test report.

Facility Information

Date of Sampling:	3/6/2025
QA Number (Project onsite):	Q-P-5277
Sample Number (ZDHC Composite Sample Code):	96250690700
Facility Name:	Bejiang Vietnam Textile company limited
Facility Address:	Hai Ha Industrial zone - Quang Phong commune - Hai Ha district - Quang Ninh province
Facility Type (tick all applicable):	☑ Dyeing and Finishing; ☐ Laundry; ☑ Washing and Finishing; ☐ Printing; ☐ Other (please specify); ☐ Fabric Mill; ☐ Natural Leather processing; ☐ Synthetic Leather processing
Discharge Type (tick applicable):	☐ Direct discharge; ☑ Indirect discharge; ☐ Zero liquid discharge (ZLD); ☑ with pre-treatment; ☐ without pre-treatment; ☐ with own ETP; Other Notes:
Discharge Description:	☐ Discharge to environment (e.g. river, stream, sea etc.); ☐ Other (please specify); ☐ Sewage treatment plant
Discharge hours:	☐ 16 hours per day
Discharge Volume:	1300 m3 per day; ☐ 15m³ per day

Sample Type and Details

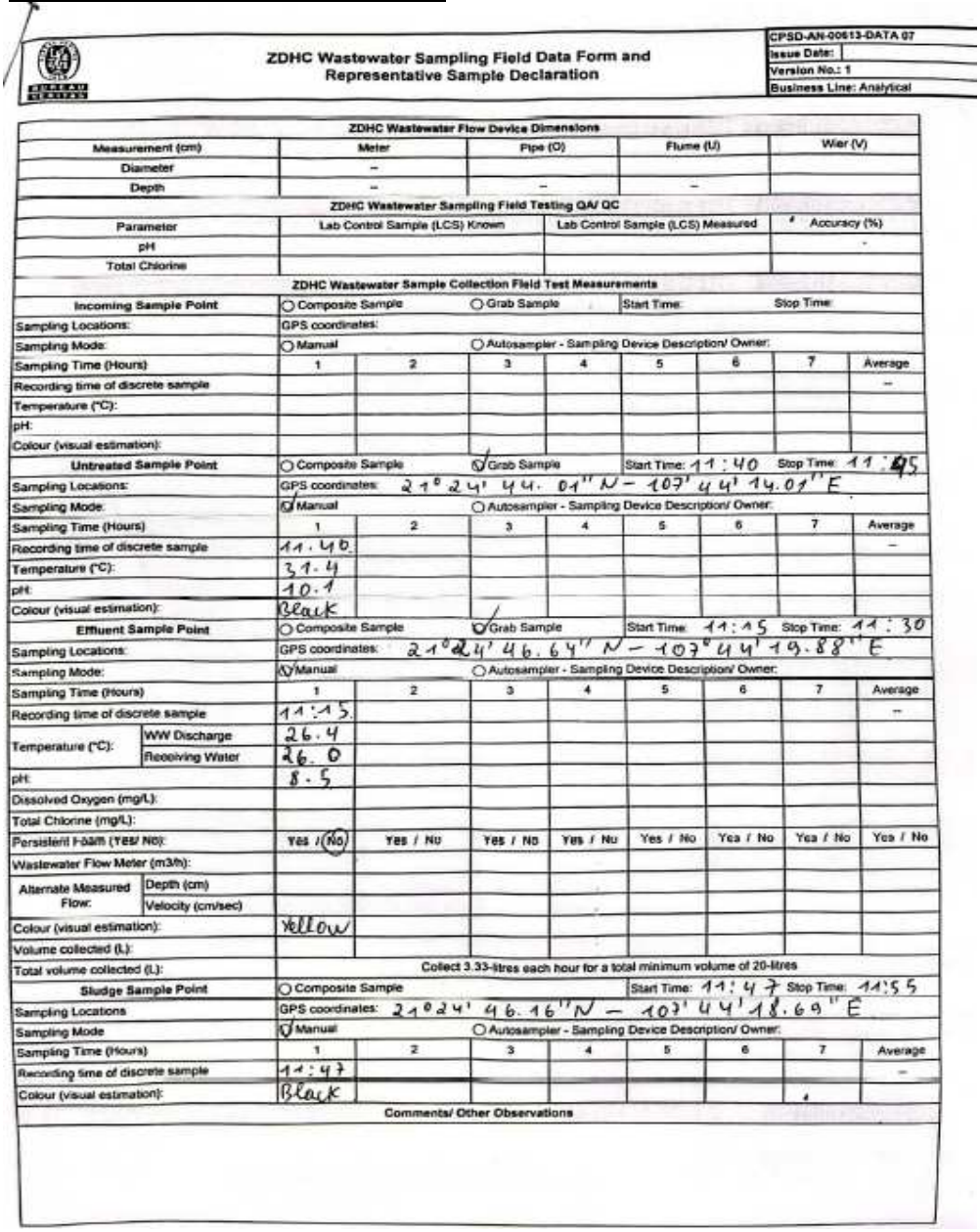
Sample Type	Sample Details
☐ Incoming Water	–
☑ Untreated WW	☑ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): 37,25. = volume of tank (m³) / flow rate (m³/h) if HRT > 12 h, grab sampling from EQT is allowed.
☑ Effluent	☐ Direct – Enter sampling time(s) in page 2 and take field test measurements. ☑ Indirect – Enter sampling time(s) in page 2. No field test measurements required except on client's request. ☐ Facility has WWTP ☐ Plant is in operating condition ☑ with equalisation tank (EQT) present Hydraulic Retention Time (HRT) (Hours): 2 12 . = volume of tank (m³) / flow rate (m³/h) If HRT > 12 h, grab sampling from EQT is allowed.
☑ Sludge	Disposal Pathway (The pathway must be defined by the facility. If the facility cannot provide information, pathway "F" shall be assumed.) ☐ A >1000°C offsite incineration; ☐ B Landfill with significant control; ☑ C Building products processed >1000°C; ☐ D Landfill with limited control; ☐ E Incineration/ Building products processed <1000°C; ☐ F Landfill with no control; ☐ G Land application Sludge flux (weight/time) if applicable:

ZDHC Wastewater Sampling - Facility Confirmation

The wastewater samples have been collected under the facilities' normal production scale and wastewater flow rate. The sampler listed below was on-site and collected the samples. Sampling protocol for wastewater and sludge samples are in accordance with ZDHC SAP including appendix E.
In no circumstances shall samples be taken during times when the production process is not running or the wastewater is diluted, for example due to heavy rainfall.

Facility Confirmation		Sampler Information	
Facility Name:	Bejiang Vietnam Textile company limited	Sampler's Name/ Email:	Vũ Văn Trọng
Facility Representative Name:	Vân Anh	Sampler's ZDHC Accredited No.:	C74D106819574
Facility Representative Signature and Stamp:	Phó Tổng Vân Anh	Sampler's Signature:	Trọng
Date:	06.03.2025	Date:	06/03/2025

Appendix C - Field Data Form (continue)



ZDHC Wastewater Sampling Field Data Form and Representative Sample Declaration

CPSD-AN-00613-DATA 07
Issue Date:
Version No.: 1
Business Line: Analytical

ZDHC Wastewater Flow Device Dimensions

Measurement (cm)	Meter	Pipe (O)	Flume (U)	Weir (V)
Diameter	–			
Depth	–	–	–	

ZDHC Wastewater Sampling Field Testing QA/ QC

Parameter	Lab Control Sample (LCS) Known	Lab Control Sample (LCS) Measured	Accuracy (%)
pH			
Total Chlorine			

ZDHC Wastewater Sample Collection Field Test Measurements

Incoming Sample Point	○ Composite Sample	○ Grab Sample	Start Time:	Stop Time:
Sampling Locations:	GPS coordinates:			
Sampling Mode:	○ Manual	○ Autosampler - Sampling Device Description/ Owner:		

Sampling Time (Hours)	1	2	3	4	5	6	7	Average
Recording time of discrete sample								–
Temperature (°C):								
pH:								
Colour (visual estimation):								

Untreated Sample Point	○ Composite Sample	☑ Grab Sample	Start Time: 11:40	Stop Time: 11:45
Sampling Locations:	GPS coordinates: 21°24' 44.01" N – 107' 44' 14.01" E			
Sampling Mode:	☑ Manual	○ Autosampler - Sampling Device Description/ Owner:		

Sampling Time (Hours)	1	2	3	4	5	6	7	Average
Recording time of discrete sample	11.40							–
Temperature (°C):	31.4							
pH:	10.1							
Colour (visual estimation):	Black							

Effluent Sample Point	○ Composite Sample	☑ Grab Sample	Start Time: 11:15	Stop Time: 11:30
Sampling Locations:	GPS coordinates: 21°24' 46.64" N – 107°44' 19.88" E			
Sampling Mode:	☑ Manual	○ Autosampler - Sampling Device Description/ Owner:		

Sampling Time (Hours)		1	2	3	4	5	6	7	Average
Recording time of discrete sample		11:15							–
Temperature (°C):	WW Discharge	26.4							
	Receiving Water	26.0							
pH:		8.5							
Dissolved Oxygen (mg/L):									
Total Chlorine (mg/L):									
Persistent Foam (Yes/ No):		Yes / (No)	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Wastewater Flow Meter (m3/h):									
Alternate Measured Flow:	Depth (cm)								
	Velocity (cm/sec)								
Colour (visual estimation):		Yellow							
Volume collected (L):									
Total volume collected (L):		Collect 3.33-litres each hour for a total minimum volume of 20-litres							

Sludge Sample Point	○ Composite Sample	Start Time: 11:47	Stop Time: 11:55
Sampling Locations	GPS coordinates: 21°24' 46.16" N – 107' 44' 18.69" E		
Sampling Mode	☑ Manual	○ Autosampler - Sampling Device Description/ Owner:	

Sampling Time (Hours)	1	2	3	4	5	6	7	Average
Recording time of discrete sample	11:47							–
Colour (visual estimation):	Black							

Comments/ Other Observations