

TEST REPORT

CLIENT DETAILS

Client Name: NZ Denim Ltd.
Client Contact: Gazi Mohammad Parvez
Telephone: 01737096791
E-mail: parvez.etp@nztexgroupbd.com
Address: Golakandial, Bhulta, Rupgonj, Narayangonj

LABORATORY DETAILS

SGS Affiliate: SGS Bangladesh Limited
SGS Contact: Rafiqul Islam, Chemical Lab Manager
Telephone: +88029676500 Ext-632
E-mail: rafiqul.islam@sgs.com
Address: Noor Tower, 110 Bir Uttam C.R Datta Road, Dhaka-1205, Bangladesh

FACTORY DETAILS

Factory Name: NZ Denim Ltd.
Factory Contact: Gazi Mohammad Parvez
Telephone: 01737096791
E-mail: parvez.etp@nztexgroupbd.com
Address: Golakandial, Bhulta, Rupgonj, Narayangonj.
Types of Mills: Denim Yarn Dyeing & Finishing
On-Site ETP: Yes
Discharge Destination: To the Environment
Name of Municipal/Centralized ETP: N/A
Address of Municipal/Centralized ETP: N/A

SAMPLE AND TESTING DETAILS

Sampling Country: SGS Bangladesh Limited
ZDHC Sampler Accreditation Cert. No.: Md. Abu Kaisar Sohag /ZDHC-A-24-E-C001068-R3D9B-AE425
Sampling Date: 24-09-2024
Sample Received Date: 24-09-2024
Test Performing Period: 24-09-2024 to 08-10-2024
Sample Received Temperature: 8.1 °C
No. of Samples: Water (2); Sludge (1)
Sample Descriptions: 1) Untreated Wastewater (6-hour Composite)
 2) Effluent (6-hour Composite)
 3) Sludge (Grab)
Sample Volume: 18L each water sample; 500g sludge sample in total
Testing Institute: SGS Bangladesh Limited
Discharge Method: Direct Discharge

OVERALL RESULTS

	Untreated Wastewater	Effluent	Sludge	Leachate
Conventional Parameters / Anions / Metals:	-	Fulfill Foundational Limit	Not Detected	-
MRSL Parameters:	Not Detected	-	Sample and Report Only	-

REMARKS

1. This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.
2. The results shown in this test report refer only to the sampling and the sample(s) tested unless otherwise stated.
3. Sample received temperature is greater than 8 °C and less than 10 °C when received from the laboratory

Signed for and on behalf of



RAFIQUL ISLAM
 Chemical Lab Manager

RESULT SUMMARY

Factory Name: NZ Denim Ltd.
 Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

TEST ITEMS	Untreated Wastewater	Effluent	Sludge	Leachate
Conventional Parameters	-	Please refer to the information in TEST RESULTS	Please refer to the information in TEST RESULTS	-
Anions	-	O	Please refer to the information in TEST RESULTS	-
Metals	-	O	O	-
Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs)	O	-	Sample and Report Only	-
Anti-Microbials & Biocides	O	-	-	-
Chlorinated Paraffins	O	-	-	-
Chlorobenzenes and Chlorotoluenes	O	-	Sample and Report Only	-
Chlorophenols	O	-	-	-
Dimethyl Formamide (DMFa)	O	-	-	-
Dyes - Carcinogenic or Equivalent Concern	O	-	-	-
Dyes - Disperse (Allergenic)	O	-	-	-
Dyes - Navy Blue Colourant	O	-	-	-
Flame Retardants	O	-	-	-
Glycols / Glycol Ethers	O	-	-	-
Halogenated Solvents	O	-	-	-
Organotin Compounds	O	-	-	-
Other / Miscellaneous Chemicals	O	-	-	-
Perfluorinated and Polyfluorinated Chemicals (PFCs)	O	-	-	-
Phthalates	O	-	-	-
Polycyclic Aromatic Hydrocarbons (PAHs)	O	-	Sample and Report Only	-
Restricted Aromatic Amines	O	-	-	-
UV Absorbers	O	-	-	-
Volatile Organic Compounds (VOCs)	O	-	-	-

Note:

X - Detected

O - Not Detected

N/A - Not Tested / Not Applicable

TEST RESULTS

Factory Name: NZ Denim Ltd.
 Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Sample ID	Untreated Wastewater	Effluent	-	-	Sludge	-	-	-	Factory Performances				Local Wastewater Discharge Requirement %
				Date of Sampling	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-					
				Sampling Location	Inlet drain line	Outlet drain line	-	-	Sludge bed	-	-	-					
				Sampling Start Time	10:30	10:10	-	-	15:40	-	-	-					
				Sampling End Time	16:30	16:10	-	-	15:50	-	-	-					
				Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-					
				Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent	
Sample Colour Description	-	-	-	Very dark Blue	Colourless	-	-	Black	-	-	-	-	-	-	-	-	
Wastewater Flowrate*	-	-	m ³ /day	-	3830	-	-	-	-	-	-	-	-	-	-	-	
Sludge Disposal Pathway	-	-	-	-	-	-	-	Pathway C	-	-	-	-	-	-	-	-	
Conventional Parameters																	
pH	-	-	-	-	7.5	-	-	8.6	-	-	-	-	Fulfill Aspirational Limit	Not Detected	-	6-9	
Temp-Difference	-	-	°C	-	2.8	-	-	-	-	-	-	-	-	-	-	<5	
Temp-Discharge Pipe	-	-	°C	-	33.1	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Temp-Receiving Water	-	-	°C	-	30.3	-	-	-	-	-	-	-	-	-	-	N/A	
E. Coli	-	126	MPN / 100mL	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Colour (436nm)	-	2	m ⁻¹	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Colour (525nm)	-	1	m ⁻¹	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Colour (620nm)	-	1	m ⁻¹	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Persistent Foam	-	Not Visible	-	-	Not Visible	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Ammonium-N	-	0.5	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
AOX	-	0.1	mg/L	-	0.7	-	-	-	-	-	-	-	Fulfill Foundational Limit	-	-	N/A	
5-Days Biochemical Oxygen Demand (BOD ₅)	-	5	mg/L	-	5	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	<30	
Chemical Oxygen Demand (COD)	-	40	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	<200	
Dissolved Oxygen (DO)	-	0.5	mg/L	-	6.7	-	-	-	-	-	-	-	Sample and Report Only	-	-	N/A	
Oil & Grease	-	0.5	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	<10	
Total Phenols / Phenol Index	-	0.001	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	<1	
Total Chlorine	-	0.5	mg/L	-	n.d.	-	-	-	-	-	-	-	Sample and Report Only	-	-	N/A	
Total Dissolved Solids (TDS)	-	50	mg/L	-	1188	-	-	-	-	-	-	-	Sample and Report Only	-	-	<2100	
Total Nitrogen	-	5	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Total Phosphorus	-	0.1	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A	
Total Suspended Solids (TSS)	-	5	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	<100	
Paint Filter Test	-	-	-	-	-	Pass	-	Pass	-	-	-	-	-	Sample and Report Only	-	N/A	
Fecal Coliform	-	-	-	-	-	1000	MPN/g	n.d.	-	-	-	-	-	Sample and Report Only	-	N/A	

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Factory Performances					Local Wastewater Discharge Requirement %					
						Reporting Limit	Units	Sludge	Reporting Limit	Units		Leachate	Untreated Wastewater	Effluent	Sludge	Leachate
Anions																
Chloride	-	1	mg/L	-	106	-	-	-	-	-	-	-	Sample and Report Only	-	-	N/A
Cyanide, Total	-	0.05	mg/L	-	n.d.	20	mg/kg	n.d.	-	-	-	-	Fulfill Aspirational Limit	Not Detected	-	N/A
Sulfate	-	5	mg/L	-	387	-	-	-	-	-	-	-	Sample and Report Only	-	-	N/A
Sulfide	-	0.01	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	<2
Sulfite	-	0.2	mg/L	-	n.d.	-	-	-	-	-	-	-	Fulfill Aspirational Limit	-	-	N/A
Metals																
Total Antimony (Sb)**	7440-36-0	0.01	mg/L	-	n.d.	5	mg/kg	n.d.	0.01	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	N/A
Chromium (VI)	7440-47-3, 18540-29-9	0.001	mg/L	-	n.d.	20	mg/kg	n.d.	0.001	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	N/A
Total Barium (Ba)	7440-39-3	35	mg/L	-	n.d.	200	mg/kg	n.d.	35	mg/L	n.d.	-	Sample and Report Only	-	Not Detected	N/A
Total Selenium (Se)	7782-49-2	0.5	mg/L	-	n.d.	5	mg/kg	n.d.	0.5	mg/L	n.d.	-	Sample and Report Only	-	Not Detected	N/A
Total Tin (Sn)	7440-31-5	0.1	mg/L	-	n.d.	-	-	-	-	-	-	-	Sample and Report Only	-	-	N/A
Total Arsenic (As)	7440-38-2	0.005	mg/L	-	n.d.	5	mg/kg	n.d.	0.005	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	N/A
Total Chromium (Cr)	7440-47-3	0.05	mg/L	-	n.d.	50	mg/kg	n.d.	0.05	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	<0.5
Total Cobalt (Co)	7440-48-4	0.01	mg/L	-	n.d.	400	mg/kg	n.d.	0.01	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	<0.5
Total Cadmium (Cd)	7440-43-9	0.01	mg/L	-	n.d.	1	mg/kg	n.d.	0.01	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	<0.02
Total Copper (Cu)	7440-50-8	0.25	mg/L	-	n.d.	50	mg/kg	161	0.25	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	N/A
Total Lead (Pb)	7439-92-1	0.01	mg/L	-	n.d.	5	mg/kg	n.d.	0.01	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	<0.1
Total Nickel (Ni)	7440-02-0	0.05	mg/L	-	n.d.	20	mg/kg	22	0.05	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	<1
Total Silver (Ag)	7440-22-4	0.005	mg/L	-	n.d.	50	mg/kg	n.d.	0.005	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	N/A
Total Zinc (Zn)	7440-66-6	0.1	mg/L	n.d.	n.d.	400	mg/kg	n.d.	0.1	mg/L	n.d.	Not Detected	Fulfill Aspirational Limit	-	Not Detected	N/A
Total Mercury (Hg)	7439-97-6	0.001	mg/L	-	n.d.	1	mg/kg	n.d.	0.001	mg/L	n.d.	-	Fulfill Aspirational Limit	-	Not Detected	N/A
Total Boron (B)	7440-42-8	0.1	mg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	N/A
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers																
Nonylphenol ethoxylates (NPEO)	9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	5	µg/L	n.d.	-	0.4	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
Nonylphenol (NP), mixed isomers	11066-49-2, 25154-52-3, 84852-15-3	5	µg/L	n.d.	-	0.4	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
Octylphenol ethoxylates (OPEO)	9002-93-1, 9036-19-5, 68987-90-6	5	µg/L	n.d.	-	0.4	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-
Octylphenol (OP), mixed isomers	140-66-9, 1806-26-4, 27193-28-8	5	µg/L	n.d.	-	0.4	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	Sludge Φ	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharge Requirement %																																																						
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<table border="1"> <thead> <tr> <th>Sample ID</th> <th>Untreated Wastewater</th> <th>Effluent</th> <th>-</th> <th>-</th> <th>Sludge</th> <th>-</th> <th>-</th> <th>-</th> </tr> </thead> <tbody> <tr> <td>Date of Sampling</td> <td>24-09-2024</td> <td>24-09-2024</td> <td>-</td> <td>-</td> <td>24-09-2024</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Sampling Location</td> <td>Inlet drain line</td> <td>Outlet drain line</td> <td>-</td> <td>-</td> <td>Sludge bed</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Sampling Start Time</td> <td>10:30</td> <td>10:10</td> <td>-</td> <td>-</td> <td>15:40</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Sampling End Time</td> <td>16:30</td> <td>16:10</td> <td>-</td> <td>-</td> <td>15:50</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Date of Sample Received</td> <td>24-09-2024</td> <td>24-09-2024</td> <td>-</td> <td>-</td> <td>24-09-2024</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>													Sample ID	Untreated Wastewater	Effluent	-	-	Sludge	-	-	-	Date of Sampling	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-	Sampling Location	Inlet drain line	Outlet drain line	-	-	Sludge bed	-	-	-	Sampling Start Time	10:30	10:10	-	-	15:40	-	-	-	Sampling End Time	16:30	16:10	-	-	15:50	-	-	-	Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-				
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Anti- Microbials & Biocides																																																																						
o-Phenylphenol (+salts)	90-43-7	100	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
Triclosan	3380-34-5	100	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
Permethrin	Multiple	500	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
Chlorinated Paraffins																																																																						
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	500	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
Short-chain Chlorinated Paraffin (SCCPs) (C10-C13)	85535-84-8	25	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
Chlorobenzenes and Chlorotoluenes																																																																						
Monochlorobenzenes	108-90-7	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,2-Dichlorobenzene	95-50-1	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,3-Dichlorobenzene	541-73-1	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,4-Dichlorobenzene	106-46-7	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,2,3-Trichlorobenzene	87-61-6	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,2,4-Trichlorobenzene	120-82-1	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,3,5-Trichlorobenzene	108-70-3	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,2,3,4-Tetrachlorobenzene	634-66-2	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,2,3,5-Tetrachlorobenzene	634-90-2	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
1,2,4,5-Tetrachlorobenzene	95-94-3	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
Pentachlorobenzene	608-93-5	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
Hexachlorobenzene	118-74-1	0.2	$\mu\text{g/L}$	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-																																																						
2-Chlorotoluene	95-49-8	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
3-Chlorotoluene	108-41-8	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
4-Chlorotoluene	106-43-4	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
2,3-Dichlorotoluene	32768-54-0	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
2,4-Dichlorotoluene	95-73-8	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
2,5-Dichlorotoluene	19398-61-9	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
2,6-Dichlorotoluene	118-69-4	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
3,4-Dichlorotoluene	95-75-0	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
3,5-Dichlorotoluene	25186-47-4	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						
2,3,4-Trichlorotoluene	7359-72-0	0.2	$\mu\text{g/L}$	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-																																																						

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharge Requirement %					
												Sample ID	Untreated Wastewater	Effluent	-		-	Sludge	-	-	-
												Date of Sampling	24-09-2024	24-09-2024	-		-	24-09-2024	-	-	-
												Sampling Location	Inlet drain line	Outlet drain line	-		-	Sludge bed	-	-	-
												Sampling Start Time	10:30	10:10	-		-	15:40	-	-	-
												Sampling End Time	16:30	16:10	-		-	15:50	-	-	-
Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-													
Untreated Wastewater	Effluent	Sludge	Leachate	Effluent																	
2,3,6-Trichlorotoluene	2077-46-5	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
2,4,5-Trichlorotoluene	6639-30-1	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
2,4,6-Trichlorotoluene	23749-65-7	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
3,4,5-Trichlorotoluene	21472-86-6	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
2,3,4,5-Tetrachlorotoluene	76057-12-0	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
2,3,5,6-Tetrachlorotoluene	29733-70-8	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
2,3,4,6-Tetrachlorotoluene	875-40-1	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Pentachlorotoluene	877-11-2	0.2	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Chlorophenols																					
2-Chlorophenol	95-57-8	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
3-Chlorophenol	108-43-0	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
4-Chlorophenol	106-48-9	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,3-Dichlorophenol	576-24-9	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,4-Dichlorophenol	120-83-2	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,5-Dichlorophenol	583-78-8	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,6-Dichlorophenol	87-65-0	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
3,4-Dichlorophenol	95-77-2	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
3,5-Dichlorophenol	591-35-5	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,3,4-Trichlorophenol	15950-66-0	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,3,5-Trichlorophenol	933-78-8	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,3,6-Trichlorophenol	933-75-5	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,4,5-Trichlorophenol	95-95-4	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,4,6-Trichlorophenol	88-06-2	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
3,4,5-Trichlorophenol	609-19-8	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Pentachlorophenol (PCP)	87-86-5	0.5	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharge Requirement %	
												Untreated Wastewater	Effluent	Sludge	Leachate		Effluent
Dimethyl Formamide (DMFa)																	
Dimethyl formamide; N,N-dimethylformamide (DMFa)**	68-12-2	1000	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Dyes - Carcinogenic or Equivalent Concern																	
Basic Violet 3 with >0.1% of Michler's Ketoneb	548-62-9	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Acid Red 26	3761-53-3	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Acid Violet 49	1694-09-3	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Basic Blue 26 with Michler's Ketone >0.1%	2580-56-5	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Basic Green 4 (Malachite Green Chloride)^	569-64-2	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Basic Green 4 (Malachite Green Oxalate)^	2437-29-8	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Basic Green 4 (Malachite Green)	10309-95-2	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Basic Red 9	569-61-9	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Basic Violet 14	632-99-5	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Direct Black 38	1937-37-7	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Direct Blue 6	2602-46-2	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Direct Red 28	573-58-0	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Disperse Blue 1	2475-45-8	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
C.I. Disperse Blue 3	2475-46-9	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Orange 11	82-28-0	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Dyes - Disperse (Allergenic)																	
Disperse Blue 102	12222-97-8	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Blue 106	12223-01-7	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Blue 124	61951-51-7	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Blue 26	3860-63-7	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Blue 35	12222-75-2, 56524-77-7	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Blue 7	3179-90-6	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Brown 1	23355-64-8	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Orange 1	2581-69-3	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Orange 3	730-40-5	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-
Disperse Orange 37/59/76	13301-61-6	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-	-

TEST RESULTS

Factory Name: NZ Denim Ltd.
 Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

		Sample ID	Untreated Wastewater	Effluent	-	-	Sludge	-	-	-	Factory Performances				Local Wastewater Discharge Requirement %	
		Date of Sampling	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-						
		Sampling Location	Inlet drain line	Outlet drain line	-	-	Sludge bed	-	-	-						
		Sampling Start Time	10:30	10:10	-	-	15:40	-	-	-						
		Sampling End Time	16:30	16:10	-	-	15:50	-	-	-						
		Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-						
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent
Disperse Red 1	2872-52-8	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Disperse Red 11	2872-48-2	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Disperse Red 17	3179-89-3	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Disperse Yellow 1	119-15-3	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Disperse Yellow 3	2832-40-8	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Disperse Yellow 39	12236-29-2	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Disperse Yellow 49	54824-37-2	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Disperse Yellow 9	6373-73-5	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Dyes - Navy Blue Colourant																
Component 1: C39H23Cl-CrN7O12S 2Na	118685-33-9	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Component 2: C46H-30CrN10O20S2 3Na	Not Allocated	500	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Flame Retardants																
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Bis(2,3-dibromopropyl) phosphate (BIS)	5412-25-9	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Hexabromocyclodecane (HBCDD)	3194-55-6	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Polybromobiphenyls (PBB)	59536-65-1	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Tetrabromobisphenol A (TBBPA)	79-94-7	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Tris(2,3-dibromopropyl)-phosphate (TRIS)	126-72-7	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Decabromobiphenyl (DecaBB)	13654-09-6	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Dibromobiphenyls (DiBB)	Multiple	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Octabromobiphenyls (OctaBB)	Multiple	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharge Requirement %					
												Sample ID	Untreated Wastewater	Effluent	-		-	Sludge	-	-	-
												Date of Sampling	24-09-2024	24-09-2024	-		-	24-09-2024	-	-	-
												Sampling Location	Inlet drain line	Outlet drain line	-		-	Sludge bed	-	-	-
												Sampling Start Time	10:30	10:10	-		-	15:40	-	-	-
												Sampling End Time	16:30	16:10	-		-	15:50	-	-	-
Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-													
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent					
Dibromopropylether	21850-44-2	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Monobromobiphenyls (MonoBB)	Multiple	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Monobromodiphenylethers (MonoBDEs)	Multiple	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Nonabromobiphenyls (NonaBB)	Multiple	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Tribromodiphenylethers (TriBDEs)	Multiple	25	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Boric acid	10043-35-3, 11113-50-1	100	µg/L	See Total Boron (B) Result	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Diboron trioxide	1303-86-2	100	µg/L	See Total Boron (B) Result	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Disodium octaborate	12008-41-2	100	µg/L	See Total Boron (B) Result	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Disodium tetraborate anhydrous	1303-96-4, 1330-43-4	100	µg/L	See Total Boron (B) Result	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Tetraboron disodium heptaoxide, hydrate	12267-73-1	100	µg/L	See Total Boron (B) Result	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Glycols / Glycol Ethers																					
2-ethoxyethanol	110-80-5	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2-ethoxyethyl acetate	111-15-9	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2-methoxyethanol	109-86-4	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2-methoxyethylacetate	110-49-6	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2-methoxypropylacetate	70657-70-4	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Bis(2-methoxyethyl)-ether	111-96-6	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Ethylene glycol dimethyl ether	110-71-4	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Triethylene glycol dimethyl ether	112-49-2	50	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Halogenated Solvents																					
1,2-Dichloroethane	107-06-2	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Methylene chloride	75-09-2	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Tetrachloroethylene	127-18-4	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Trichloroethylene	79-01-6	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Sample ID	Untreated Wastewater	Effluent	-	-	Sludge	-	-	-	Factory Performances					Local Wastewater Discharge Requirement %		
	Date of Sampling	24-09-2024	24-09-2024	-	-	24-09-2024	-	-							-	
Sampling Location	Inlet drain line	Outlet drain line	-	-	Sludge bed	-	-	-								
Sampling Start Time	10:30	10:10	-	-	15:40	-	-	-								
Sampling End Time	16:30	16:10	-	-	15:50	-	-	-								
Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-								
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent
Perfluorinated and Polyfluorinated Chemicals (PFCs)																
Perfluorooctane sulfonate (PFOS)****	1763-23-1	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
N-ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
N-methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	754-91-6	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Perfluorooctanoic acid (PFOA)*****	335-67-1	0.01	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Methyl Perfluorooctanoate (Me-PFOA)	376-27-2	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Ethyl Perfluorooctanoate (Et-PFOA)	3108-24-5	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	27905-45-9	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
8:2 Fluorotelomer methacrylate (8:2 FTMA)	1996-88-9	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Phthalates - including all other esters of ortho-phthalic acid																
1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP)	71888-89-6, 84777-06-0	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
1,2-benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4, 68515-50-4	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Butyl benzyl phthalate (BBP)	85-68-7	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-isobutyl phthalate (DIBP)	84-69-5	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-isononyl phthalate (DINP)	28553-12-0	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-n-hexyl phthalate (DnHP)	84-75-3	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-n-octyl phthalate (DNOP)	117-84-0	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-n-pentylphthalates	131-18-0	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Di-n-propyl phthalate (DPRP)	131-16-8	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharge Requirement %					
												Sample ID	Untreated Wastewater	Effluent	-		-	Sludge	-	-	-
												Date of Sampling	24-09-2024	24-09-2024	-		-	24-09-2024	-	-	-
												Sampling Location	Inlet drain line	Outlet drain line	-		-	Sludge bed	-	-	-
												Sampling Start Time	10:30	10:10	-		-	15:40	-	-	-
												Sampling End Time	16:30	16:10	-		-	15:50	-	-	-
Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-													
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent					
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Dibutyl phthalate (DBP)	84-74-2	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Diethyl phthalate (DEP)	84-66-2	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Disopentylphthalates	605-50-5	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Dinonyl phthalate (DNP)	84-76-4	10	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Polycyclic Aromatic Hydrocarbons (PAHs)																					
Acenaphthene	83-32-9	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Acenaphthylene	208-96-8	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Anthracene	120-12-7	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Benzo[a]anthracene	56-55-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Benzo[a]pyrene (BaP)	50-32-8	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Benzo[b]fluoranthene	205-99-2	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Benzo[e]pyrene	192-97-2	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Benzo[ghi]perylene	191-24-2	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Benzo[j]fluoranthene	205-82-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Benzo[k]fluoranthene	207-08-9	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Chrysene	218-01-9	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Dibenz[a,h]anthracene	53-70-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Fluoranthene	206-44-0	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Fluorene	86-73-7	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Indeno[1,2,3-cd]pyrene	193-39-5	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Naphthalene	91-20-3	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Phenanthrene	85-01-8	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					
Pyrene	129-00-0	1	µg/L	n.d.	-	0.2	mg/kg	n.d.	-	-	-	Not Detected	-	Sample and Report Only	-	-					

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Sample ID	Untreated Wastewater	Effluent	-	-	Sludge	-	-	-	Factory Performances					Local Wastewater Discharge Requirement %		
	Date of Sampling	24-09-2024	24-09-2024	-	-	24-09-2024	-	-							-	
Sampling Location	Inlet drain line	Outlet drain line	-	-	Sludge bed	-	-	-								
Sampling Start Time	10:30	10:10	-	-	15:40	-	-	-								
Sampling End Time	16:30	16:10	-	-	15:50	-	-	-								
Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-								
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent
Restricted Aromatic Amines (Cleavable from Azo-colourants)																
2-naphthylamine	91-59-8	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
2-Naphthylammoniumacetate [^]	553-00-4	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
2,4-xylidine	95-68-1	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
2,4,5-trimethylaniline	137-17-7	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
2,4,5-trimethylaniline hydrochloride [^]	21436-97-5	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
2,6-xylidine	87-62-7	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
3,3'-dichlorobenzidine	91-94-1	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
3,3-dimethoxybenzidine	119-90-4	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
3,3-dimethylbenzidine	119-93-7	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-aminoazobenzene	60-09-3	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-aminodiphenyl	92-67-1	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-chloro-o-toluidine	95-69-2	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-chloro-o-toluidinium chloride [^]	3165-93-3	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-chloroaniline	106-47-8	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate [^]	39156-41-7	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-methoxy-m-phenylenediamine	615-05-4	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4-methyl-m-phenylenediamine	95-80-7	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4,4-methylenebis-(2-chloroaniline)	101-14-4	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4,4-methylenedi-o-toluidine	838-88-0	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4,4-methylenedianiline	101-77-9	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4,4-oxydianiline	101-80-4	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
4,4-thiodianiline	139-65-1	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
5-nitro-o-toluidine	99-55-8	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
6-methoxy-m-toluidine	120-71-8	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
Benzidine	92-87-5	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
o-aminoazotoluene	97-56-3	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
o-anisidine	90-04-0	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-
o-toluidine	95-53-4	0.1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-

TEST RESULTS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Factory Performances				Local Wastewater Discharge Requirement %					
												Sample ID	Untreated Wastewater	Effluent	-		-	Sludge	-	-	-
												Date of Sampling	24-09-2024	24-09-2024	-		-	24-09-2024	-	-	-
												Sampling Location	Inlet drain line	Outlet drain line	-		-	Sludge bed	-	-	-
												Sampling Start Time	10:30	10:10	-		-	15:40	-	-	-
												Sampling End Time	16:30	16:10	-		-	15:50	-	-	-
Date of Sample Received	24-09-2024	24-09-2024	-	-	24-09-2024	-	-	-													
Items	CAS No.	Reporting Limit	Units	Untreated Wastewater	Effluent	Reporting Limit	Units	SludgeΦ	Reporting Limit	Units	Leachate	Untreated Wastewater	Effluent	Sludge	Leachate	Effluent					
UV Absorbers																					
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	100	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2-benzotriazol-2-yl-4,6-ditertbutylphenol (UV-320)	3846-71-7	100	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl)phenol (UV-327)	3864-99-1	100	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Volatile Organic Compounds (VOC)																					
Benzene	71-43-2	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
m-cresol	108-39-4	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
o-cresol	95-48-7	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
p-cresol	106-44-5	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Xylene	1330-20-7	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Toluene***	108-88-3	1	µg/L	n.d.	-	-	-	-	-	-	-	Not Detected	-	-	-	-					
Additional Parameters																					
Dry Mass (Total Solids)	-	-	-	-	-	-	%	18.0	-	-	-	-	-	Sample and Report Only	-	-					

Remarks:

- *n.d.* = Not Detected
- *N/A* = Not Tested / Not Applicable
- *- = Not Required to be Test
- *The test result is based on the calculation of selected element(s) and to the worst-case scenario
- *Test data is measured/provided by the client
- **Sample and report only for polyester wet processing facilities
- ***Sample and report only for mock leather
- ****PFOS refer to its salts/derivative including PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH₄ (CAS No.: 29081-56-9), PFOS-NH(OH)₂ (CAS No.: 70225-14-8), PFOS-N(C₂H₅)₂ (CAS No.: 56773-42-3) and POSF (CAS No.: 307-35-7)
- *****PFOA refer to its salts including PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) and APFO (CAS No.: 3825-26-1)
- @ = The amine was detected according to ISO 14362-1:2017 with the reducing agent. A similar result was obtained from the procedure carried out without the reducing agent. According to ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from a source other than azo colorants
- # = The amine was detected according to ISO 14362-1:2017 with the reducing agent. Confirmation procedure was carried out without reducing agent, according to ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from azo colorants
- ΦSludge results are reported based on dry mass
- %Please refer to the details of the Local Wastewater Discharge Requirement in the Appendix Section
- §Maximum holding time exceeded
- *Sample received temperature is greater than 8°C and less than 10°C when received from the laboratory
- ΔThe analysis was performed by a subcontracted laboratory assessed as competent

TEST PARAMETERS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Ruggonj, Narayanganj

ITEMS	CAS No.	METHODS	WASTEWATER			SLUDGE							LEACHATE							
			Foundational	Progressive	Aspirational	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	
Conventional Parameters																				
pH	-	Wastewater: ISO 10523, USEPA 150.1, SM 4500 H ⁺ , HJ 1147 or IS 3025 (Part 11) - Electrometric method only Sludge: USEPA 9045 D or HJ 962	6.9			Sample and Report Only	Sample and Report Only	5-11	5-11	5-11	6.5-9	6.5-9	-							
Temperature	-	DN 35 904-4, USEPA 170.1, SM 2550, GB/T 13195 or IS 3025 (Part 9)	Δ+15°C	Δ+10°C	Δ+5°C	-							-							
E. Coli	-	SM 9221 B presumptive, confirm positive with SM 9221 F or G	126cfu/100mL			-							-							
Colour (436nm: 525nm: 620nm)	-	ISO 7887 B	7.5:3m ¹	5.9:2m ¹	2.1:1m ¹	-							-							
Persistent Foam	-	-	No indication of Persistent Foam			-							-							
Wastewater Flowrate	-	-	15m ³ per day			-							-							
Ammonium-N	-	ISO 7150, ISO 11732, USEPA 350.1, USEPA 350.3, SM 4500 NH ₄ -D, E, F, G or H, HJ 535 or IS 3025 (Part 34) - Phenate or ammonia selective electrode only	10mg/L	1mg/L	0.5mg/L	-							-							
AOX	-	ISO 9562, HACH LCK 300 or HJT 83-2001	3mg/L	0.5mg/L	0.1mg/L	-							-							
5-Days Biochemical Oxygen Demand (BOD ₅)	-	ISO 5815-1, USEPA 405.1, SM 5210 B, HJ 505 or IS 3025 (Part 44) - Seeded dilution water (BOD ₅)	30mg/L	15mg/L	8mg/L	-							-							
Chemical Oxygen Demand (COD)	-	ISO 6060, ISO 15705, USEPA 410.4, SM 5220 D, HJ 828, GB/T 1914 or IS 3025 (Part 58)	150mg/L	80mg/L	40mg/L	-							-							
Dissolved Oxygen (DO)	-	ISO 5814, USEPA 360.1, SM 4500 O ₂ G or HJ 506	Sample and Report Only			-							-							
Oil & Grease	-	ISO 9377-2, USEPA 1664 Revision B, SM 5520 B or C, HJ 637 - Total oil and grease or IS 3025 (Part 39) - Partition gravimetric or partition infra-red	10mg/L	2mg/L	0.5mg/L	-							-							
Total Phenols / Phenol Index	-	ISO 6459, SM 5530 B or C, HJ 503 or IS 3025 (Part 43)	0.5mg/L	0.01mg/L	0.001mg/L	-							-							
Total Chlorine	-	ISO 7393-2, USEPA 330.5, SM 4500 Cl ⁻ G or HJ 586	Sample and Report Only			-							-							
Total Dissolved Solids (TDS)	-	USEPA 160.1, SM 2540 C, GB/T 5750.4-2006 (180°C centrifuge) or IS 3025 (Part 16) 179°C to 181°C	Sample and Report Only			-							-							
Total Nitrogen	-	ISO 11905 - Part 1, ISO 29441, USEPA 351.2, SM 4500 P J, SM 4500 N B, C, HJ 636 or IS 3025 (Part 54) (Ammonia, nitrate, nitrite, organic)	20mg/L	10mg/L	5mg/L	-							-							
Total Phosphorus	-	ISO 6878, ISO 11885, ISO 17028, USEPA 200.7, USEPA 200.8, USEPA 365.4, USEPA 6010 C, USEPA 6020 A, SM 4500 P J, GB/T 11893, IS 3025 (Part 31) or IS 3025 (Part 65)	3mg/L	0.5mg/L	0.1mg/L	-							-							
Total Suspended Solids (TSS)	-	ISO 11923, USEPA 160.2, SM 2540 D, GB/T 11901 of IS 3025 (Part 17), 103°C to 105°C	50mg/L	15mg/L	5mg/L	-							-							
% Solids	-	USEPA 160.3 or HJ 613 at 105°C	-			Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	
Paint Filter Test	-	USEPA SW-846 or USEPA 9095 B	-			Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
Fecal Coliform	-	USEPA 1681	-			Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	Sample and Report Only	1000MPN/g	1000MPN/g	-						
Anions																				
Chloride	-	ISO 10304-1, ISO 15923-1, USEPA 300, SM 4110 B, C, SM 4500 Cl ⁻ D or E, HJ 84-2016 or IS 3025 (Part 32) - Potentiometric or automated ferriyodide only	Sample and Report Only			-							-							
Cyanide	-	Wastewater: ISO 6703-1, -2, -3, ISO 14403-1, -2, USEPA 335.2, SM 4500 CN or HJ 484 Sludge: Preparation: USEPA 9013 Analysis: USEPA 9014, USEPA 9213 or HJ 745	0.2mg/L	0.1mg/L	0.05mg/L	Sample and Report Only	Sample and Report Only	100mg/kg	85mg/kg	70mg/kg	70mg/kg	70mg/kg	-							
Sulfate	-	ISO 10304-1, ISO 15923-1, USEPA 300, USEPA 9038, SM 4110 B, C, SM 4500 SO ₄ ²⁻ E, F, G, HJ 84-2016 or IS 3025 (Part 24)	Sample and Report Only			-							-							
Sulfide	-	ISO 10530, SM 4500 S ²⁻ D, E, G or I, HJ 1226 or IS 3025 (Part 29) - Methylene blue only	0.5mg/L	0.05mg/L	0.01mg/L	-							-							
Sulfite	-	ISO 10304-3, SM 4500 SO ₃ ²⁻ C or HJ 84-2016	2mg/L	0.5mg/L	0.2mg/L	-							-							
Metals																				
Total Antimony (Sb)	7440-36-0	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65) Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.1mg/L	0.05mg/L	0.01mg/L	-	-	-	-	-	-	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	15mg/L	7.8mg/L	0.6mg/L	0.6mg/L	0.6mg/L
Chromium (VI)	7440-47-3, 18540-29-9	Wastewater: ISO 19112, USEPA 218.6, GB 7467 or IS 3025 (Part 52) Sludge: Preparation: USEPA 3060 A Analysis: USEPA 7196 or USEPA 7199 Leachate: Leachate Extraction: USEPA 1311 Analysis: ISO 18412, USEPA 7196 or USEPA 7199	0.05mg/L	0.005mg/L	0.001mg/L	-	-	-	-	-	-	-	50mg/kg	Sample and Report Only	Sample and Report Only	5mg/L	3.75mg/L	2.5mg/L	2.5mg/L	2.5mg/L
Total Barium (Ba)	7440-39-3	Wastewater: USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700 Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D or USEPA 6020 B Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	Sample and Report Only			-	-	-	-	-	-	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	100mg/L	67.5mg/L	35mg/L	35mg/L	35mg/L

TEST PARAMETERS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Ruggonj, Narayanganj

ITEMS	CAS No.	METHODS	WASTEWATER			SLUDGE							LEACHATE						
			Foundational	Progressive	Aspirational	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G
Total Selenium (Se)	7782-49-2	Wastewater: USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700 Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D or USEPA 6020 B Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	Sample and Report Only	-	-	-	-	-	-	-	100mg/kg	Sample and Report Only	Sample and Report Only	1mg/L	0.75mg/L	0.5mg/L	0.5mg/L	0.5mg/L	
Total Tin (Sn)	7440-31-5	USEPA 200.8, USEPA 6010 C, USEPA 6020 A or HJ 700	Sample and Report Only	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Arsenic (As)	7440-38-2	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65) Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.05mg/L	0.01mg/L	0.005mg/L	-	-	-	-	-	-	75mg/kg	Sample and Report Only	Sample and Report Only	5mg/L	2.75mg/L	0.5mg/L	0.5mg/L	0.5mg/L
Total Chromium (Cr)	7440-47-3	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65) Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.2mg/L	0.1mg/L	0.05mg/L	-	-	-	-	-	-	3000mg/kg	Sample and Report Only	Sample and Report Only	15mg/L	10mg/L	5mg/L	5mg/L	5mg/L
Total Cobalt (Co)	7440-48-4	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65) Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.05mg/L	0.02mg/L	0.01mg/L	-	-	-	-	-	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	80mg/L	80mg/L	80mg/L	80mg/L	80mg/L
Total Cadmium (Cd)	7440-43-9	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 41) - AAS instrumental method Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.1mg/L	0.05mg/L	0.01mg/L	-	-	-	-	-	-	85mg/kg	Sample and Report Only	Sample and Report Only	1mg/L	0.58mg/L	0.15mg/L	0.15mg/L	0.15mg/L
Total Copper (Cu)	7440-50-8	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 42) - AAS instrumental method Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	1mg/L	0.5mg/L	0.25mg/L	-	-	-	-	-	-	4300mg/kg	Sample and Report Only	Sample and Report Only	25mg/L	17.5mg/L	10mg/L	10mg/L	10mg/L
Total Lead (Pb)	7439-92-1	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 47) - AAS instrumental method Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.1mg/L	0.05mg/L	0.01mg/L	-	-	-	-	-	-	840mg/kg	Sample and Report Only	Sample and Report Only	5mg/L	2.75mg/L	0.5mg/L	0.5mg/L	0.5mg/L
Total Nickel (Ni)	7440-02-0	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11912, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 54) - AAS instrumental method Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.2mg/L	0.1mg/L	0.05mg/L	-	-	-	-	-	-	420mg/kg	Sample and Report Only	Sample and Report Only	20mg/L	11.75mg/L	3.5mg/L	3.5mg/L	3.5mg/L
Total Silver (Ag)	7440-22-4	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 11907, HJ 700 or IS 3025 (Part 65) Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D or USEPA 6020 B Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	0.1mg/L	0.05mg/L	0.005mg/L	-	-	-	-	-	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	5mg/L	5mg/L	5mg/L	5mg/L	5mg/L

TEST PARAMETERS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Ruggonj, Narayanganj

ITEMS	CAS No.	METHODS	WASTEWATER			SLUDGE								LEACHATE						
			Foundational	Progressive	Aspirational	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	
Total Zinc (Zn)	7440-66-6	Wastewater: ISO 17294, USEPA 200.8, USEPA 6010 C, USEPA 6020 A, GB 7472, GB 7475, HJ 700, IS 3025 (Part 65) or IS 3025 (Part 49) - AAS instrumental method Sludge: Preparation: USEPA 3050 Analysis: USEPA 6010 D, USEPA 6020 B or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010 C or USEPA 6020 A	5mg/L	1mg/L	0.5mg/L	-	-	-	-	-	-	-	7500mg/kg	Sample and Report Only	Sample and Report Only	250mg/L	150mg/L	50mg/L	50mg/L	50mg/L
Total Mercury (Hg)	7439-97-6	Wastewater: ISO 17294, USEPA 200.8 - SIM, USEPA 245.1, USEPA 245.7, USEPA 6020 A - SIM, HJ 597, HJ 694, IS 3025 (Part 48) - Cold vapour AAS only or IS 3025 (Part 65) - SI Sludge: Preparation: USEPA 3051 A or USEPA 7471 B Analysis: USEPA 6020 B, USEPA 7471 B, GB/T 32105.1 or HJ 803 Leachate: Leachate Extraction: USEPA 1311 or USEPA 3051 A Analysis: ISO 12946, ISO 17852, USEPA 7471 B or USEPA 6020 B	0.01mg/L	0.005mg/L	0.001mg/L	-	-	-	-	-	-	-	57mg/kg	Sample and Report Only	Sample and Report Only	0.2mg/L	0.125mg/L	0.05mg/L	0.05mg/L	0.05mg/L
Total Boron (B)	7440-42-8	ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkylphenol (AP) & Alkylphenol Ethoxylates (APEOs)																				
NP / OP	-	Wastewater: With reference to ISO 18857-2 (Modified dichloromethane extraction) or ASTM D7065 (GC-MS or LC-MS/MS) Sludge: Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic Analysis: With reference to ISO 18857-2 or ASTM D7065	-	5µg/L	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4mg/kg	0.4mg/kg	0.4mg/kg	0.4mg/kg	-	-	-	-	-	-	-	-
NPEO / OPEO	-	Wastewater: With reference to ISO 18857-2 or ASTM D7742 Sludge: Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic Analysis: With reference to ISO 18294-1, ISO 18857-2 or ASTM D7065	-	5µg/L	-	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.4mg/kg	0.4mg/kg	0.4mg/kg	0.4mg/kg	-	-	-	-	-	-	-	-
Anti-Microbials & Biocides																				
p-Phenylphenol (+salts)	90-43-7	With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS	-	100µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triclosan	3380-34-5	With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS	-	100µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Permethrin	Multiple	With reference to ISO 14154:2006, USEPA 8270 E, Solvent extraction followed by GC-MS or An alternative method, without derivatization and determination by LC-MS / LC-MS/MS	-	500µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Paraffins																				
Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	85535-85-9	Preparation: With reference to USEPA 3510 Analysis: With reference to ISO 18219-2:2021 or Method for MCCP with GC-MS(NCI) or LC-MS/MS	-	500µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-chain Chlorinated Paraffin (SCCPs) (C10-C13)	85535-84-8	Preparation: With reference to USEPA 3510 Analysis: With reference to ISO 12010:2019, ISO 18219-1:2021 or Method for SCCP with GC-MS(NCI) or LC-MS/MS	-	25µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzenes & Chlorotoluenes																				
Chlorobenzenes & Chlorotoluenes		Wastewater: With reference to USEPA 8260 D, USEPA 8270 E, Purge and Trap, Headspace or Dichloromethane extraction followed by GC-MS Sludge: Preparation: With reference to USEPA 3540 / 3541 - Soxhlet or USEPA 3550 - Ultrasonic Clean-up: With reference to USEPA 3640 Analysis: With reference to USEPA 8270 E or HJ 605	-	0.2µg/L	-	Chlorotoluenes: Sample and Report Only	Chlorotoluenes: Sample and Report Only	Chlorotoluenes: Sample and Report Only	Chlorotoluenes: 0.2mg/kg	Chlorotoluenes: 0.2mg/kg	Chlorotoluenes: 0.2mg/kg	Chlorotoluenes: 0.2mg/kg	-	-	-	-	-	-	-	-
Chlorophenols																				
Chlorophenols		With reference to BS EN 12673-1999, USEPA 8270 E or Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS	-	0.5µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl Formamide (DMF)																				
Dimethyl Formamide (DMF)	68-12-2	With reference to USEPA 8015 or USEPA 8270 E	-	1000µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dyes - Carcinogenic or Equivalent Concern																				
Dyes - Carcinogenic or Equivalent Concern		With reference to Liquid extraction followed by LC-MS	-	500µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dyes - Disperse (Allergenic)																				
Dyes - Disperse (Allergenic)		With reference to Liquid extraction followed by LC-MS	-	50µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dyes - Navy Blue Colourant																				
Dyes - Navy Blue Colourant		With reference to Liquid extraction followed by LC-MS	-	500µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

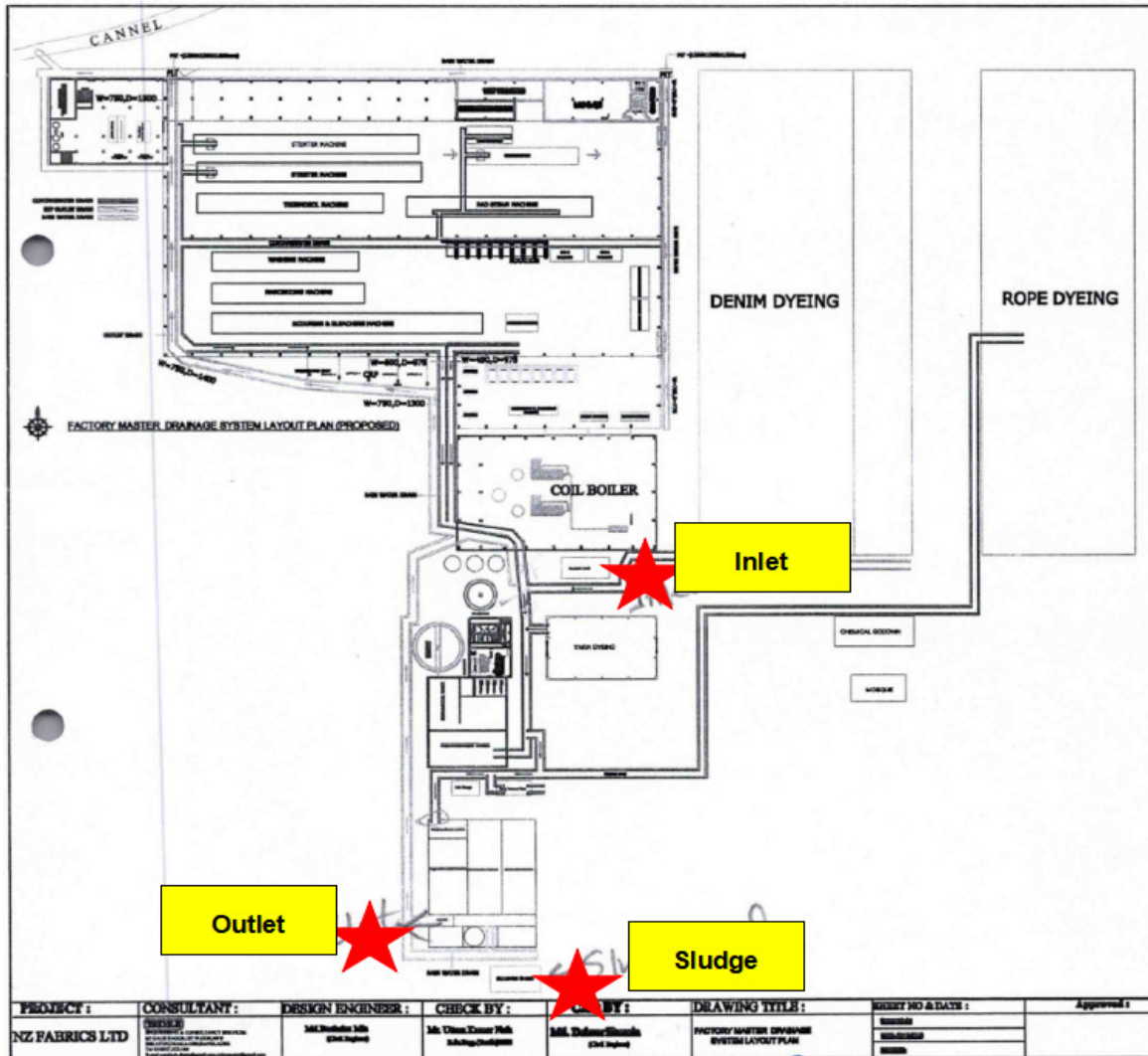
TEST PARAMETERS

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rugonj, Narayangonj

ITEMS	CAS No.	METHODS	WASTEWATER			SLUDGE						LEACHATE							
			Foundational	Progressive	Aspirational	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G	Pathway A	Pathway B	Pathway C	Pathway D	Pathway E	Pathway F	Pathway G
Flame Retardants		Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptoxide hydrate ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65) Others: With reference to ISO 22032, USEPA 527, USEPA 8270 E, USEPA 8321 B or Dichloromethane extraction followed by GC-MS or LC-MS/MS	Boric acid, Diboron trioxide, Disodium octaborate, Disodium tetraborate anhydrous, Tetraboron disodium heptoxide hydrate Others: 25µg/L																
Glycols / Glycol Ethers		With reference to USEPA 8270 E or Liquid extraction followed by LC-MS or GC-MS	50µg/L																
Halogenated Solvents		With reference to USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS	1µg/L																
Organotin Compounds		LoEIT With reference to ISO 17353 Others: With reference to ISO 17353 or Derivatization with NaB(C ₂ H ₅) ₂ followed by GC-MS	0.01µg/L																
Other/Miscellaneous Chemicals																			
REEA [2-(2-aminoethyl)amino] ethanol]	111-41-1	With reference to Liquid extraction followed by LC-MS/MS	500µg/L																
Bisphenol A	80-05-7	With reference to Liquid extraction followed by LC-MS	10µg/L																
Thiourea	62-56-6	With reference to Liquid extraction followed by LC-MS	50µg/L																
Quinoline	91-22-5	With reference to Liquid extraction followed by LC-MS	50µg/L																
Borate, zinc salt	12767-90-7	ISO 17294, USEPA 6010 C, USEPA 6020 A, HJ 700 or IS 3025 (Part 65)	100µg/L																
Perfluorinated and Polyfluorinated Chemicals (PFCs)		PFOA: With reference to USEPA 537-2020 followed by LC-MS/MS FTOx: With reference to BS EN 12673-1999, USEPA 8270 E or Derivatization with acetic anhydride followed by GC-MS	PFOS and related substances: 0.01µg/L PFOA: 0.01µg/L PFOA related substances: 1µg/L																
Phthalates		With reference to ISO 18856, USEPA 8270 E or Dichloromethane extraction followed by GC-MS	10µg/L																
Polycyclic Aromatic Hydrocarbons (PAHs)		Wastewater: With reference to DIN 38407-39, USEPA 8270 E or Solvent extraction followed by GC-MS Sludge: Preparation: With reference to USEPA 3540 / 3541- Soxhlet or USEPA 3550 - Ultrasonic Clean-up. With reference to USEPA 3640 Analysis: With reference to USEPA 8270 E or HJ 805-2016	1µg/L	Sample and Report Only	Sample and Report Only	Sample and Report Only	0.2mg/kg	0.2mg/kg	0.2mg/kg	0.2mg/kg									
Restricted Aromatic Amines (Cleavable from Azo-colourants)		With reference to USEPA 8270 E or Reduction step with sodium dithionite, solvent extraction followed by GC-MS and LC-MS/MS	0.1µg/L																
UV Absorbers		With reference to ISO 22032, USEPA 527, USEPA 8270 E, USEPA 8321 B or Dichloromethane extraction followed by GC-MS or LC-MS/MS	100µg/L																
Volatile Organic Compounds (VOCs)																			
Benzene	71-43-2	With reference to ISO 11423-1, ISO 20586, USEPA 8260 D, Purge and Trap or Static Headspace followed by GC-MS	1µg/L																
m-cresol / o-cresol / p-cresol	108-39-4 / 94-48-7 / 106-44-5	With reference to BS EN 12637-1999, ISO 11423-1, USEPA 8270 E, Purge and Trap or Headspace followed by GC-MS	1µg/L																
Xylene	1330-20-7	With reference to ISO 11423-1, USEPA 8260 D, Purge and Trap or Headspace followed by GC-MS	1µg/L																
Toluene	108-88-3	With reference to ISO 11423-1, USEPA 8260 D or HJ 1067	1µg/L																

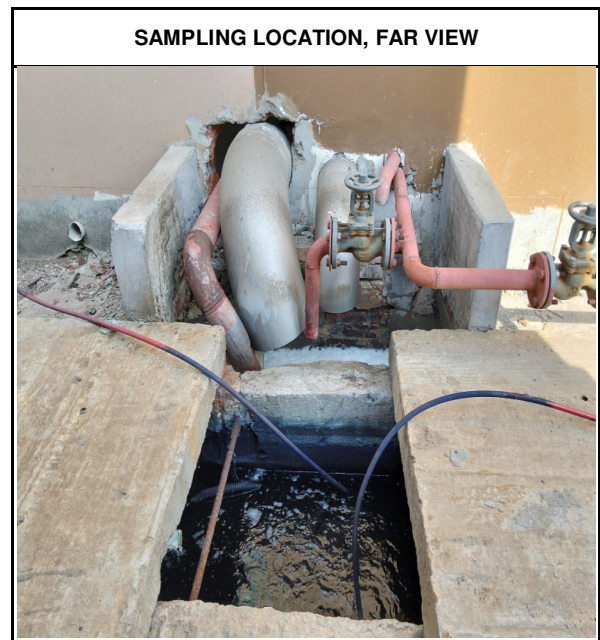
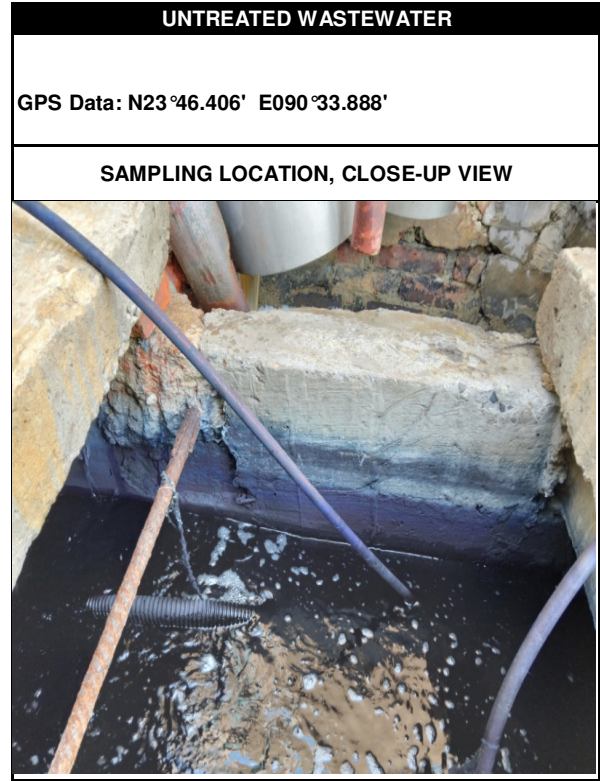
PIPING PLAN

Factory Name: NZ Denim Ltd.
Factory Address: Golakandial, Bhulta, Rupgonj, Narayanganj



SAMPLING PHOTOS

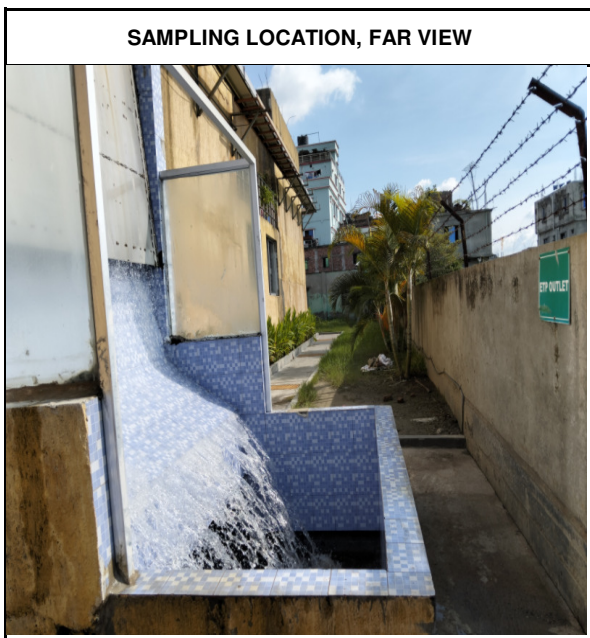
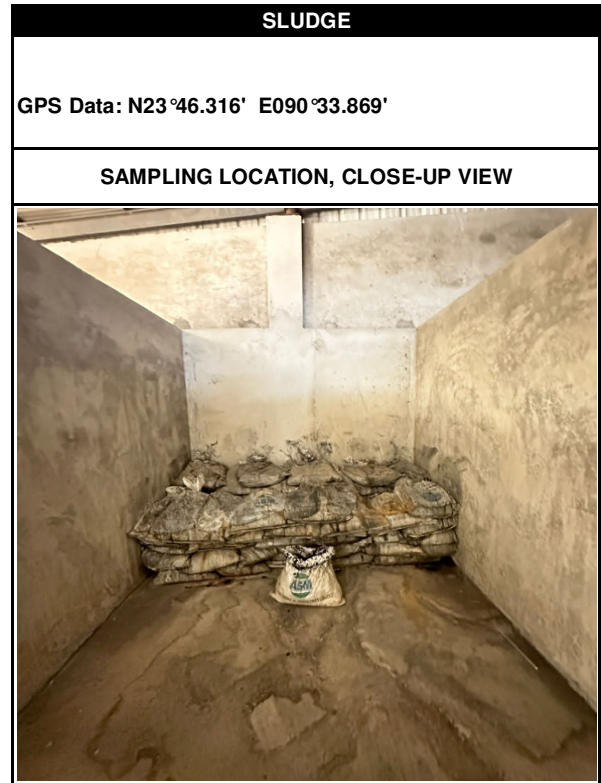
Factory Name: NZ Denim Ltd.
 Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj



SAMPLING PHOTOS

Factory Name: NZ Denim Ltd.

Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj



LOCAL WASTEWATER DISCHARGE REQUIREMENT

**LOCAL WASTEWATER DISCHARGE REQUIREMENTS BASED ON The Environment Conservation Rules, 2023
 (BANGLADESH LOCAL REGULATION-SCHEDULE-5)**

Factory Name: NZ Denim Ltd.
 Factory Address: Golakandial, Bhulta, Rupgonj, Narayanganj

The Environment Conservation Rules, 2023				
SCHEDULE-5				
Paramters	CAS No.	Effluent		
			Value	Unit
pH Value (min.)	-	-	6	-
pH Value (max.)	-	-	9	-
Temperature	-	-	Maximum 5 °C above the temperature of the water body	°C
Biochemical Oxygen Demand (BOD5 at 20 °C)	-	<	30	mg/L
Chemical Oxygen Demand (COD)	-	<	200	mg/L
Total Suspended Solids (TSS)	-	<	100	mg/L
Total Dissolved Solid(TDS)	-	<	2100	mg/L
Sulfide	-	<	2	mg/L
Oil and Grease	-	<	10	mg/L
Cadmium (Cd)	7440-43-9	<	0.02	mg/L
Lead (Pb)	7439-92-1	<	0.1	mg/L
Nickel (Ni)	7440-02-0	<	1	mg/L
Chromium (Total Cr)	7440-47-3	<	0.5	mg/L
Cobalt (Co)	7440-48-4	<	0.5	mg/L
Phenol Compounds	-	<	1	mg/L

ZDHC WASTEWATER SAMPLING FIELD DATA FORM AND REPRESENTATIVE SAMPLE DECLARATION

Factory Name: NZ Denim Ltd.
 Factory Address: Golakandial, Bhulta, Rupgonj, Narayangonj

Water Sampling Record

Tracking no. 2409240250 Sampling Date: 24/09/2024 Client Name: NZ Denim Ltd.
 Lab received container temperature: pH Meter: 10.93 Thermometer: 41.7
 Water Types: BEFORE

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
1	Phthalates+FR+COC +FTOA/FTOH	Before	17:15	10.93	2-8°C	2 L	2 (each 1 L) Amber glass bottle with PTFE lined lid	
2	PAHs, Glycol	Before	17:16	10.93	2-8°C	1 L	1 (each 1 L) Amber glass bottle with PTFE lined lid	
3	Disperse Dyes	Before	17:18	10.93	2-8°C	1 L	1 (each 1 L) Amber glass bottle with PTFE lined lid	
4	Chlorophenols	Before	17:20	10.93	2-8°C	1 L	1 (each 1 L) Amber glass bottle with PTFE lined lid	
5	Organotin Compounds	Before	17:21	HCl to pH 2-3	2-8°C	2 L	2 (each 1 L) Amber glass bottle with PTFE lined lid	
6	SCCP	Before	17:22	10.93	2-8°C	1 L	1 (each 1 L) Amber glass bottle with PTFE lined lid	
7	Azo Dyes	Before	17:23	10.93	2-8°C	2 L	2 (each 1 L) Amber glass bottle with PTFE lined lid	
8	PFCs	Before	17:25	10.93	2-8°C	2 L	2 (each 1 L) Amber glass bottle with PTFE lined lid	




Sampling by:  Checked by:  Confirmed by Client: 



Water Sampling Record

Tracking no. 2409240250 Sampling Date: 24/09/2024 Client Name: NZ Denim Ltd.
 Lab received container temperature: pH Meter: _____ Thermometer: _____
 Water Types: BEFORE

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
9	Halogenated Solvent(VOC)	Before	17:27	HCL to pH<2	2-8°C	500ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
10	AP/APEO	Before	17:28	10.93	2-8°C	2 L	2 (each 1 L) Amber glass bottle with PTFE lined lid	
11	Anti Microbial & Biocides	Before	17:30	10.93	2-8°C	2 L	2 (each 1 L) Amber glass bottle with PTFE lined lid	
12	DMFa	Before	17:32	10.93	2-8°C	500ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
13	Heavy Metals	Before	17:35	HNO3 to pH<2	2-8°C	500 ml	1 (each 500ml) Amber glass bottle with PTFE lined lid	
14	UV Absorbers	Before	17:40	10.93	2-8°C	1 L	1 (each 1 L) Amber glass bottle with PTFE lined lid	

Sampling by:  Checked by:  Confirmed by Client: 



Water Sampling Record

Tracking no. 2409240250

Sampling Date: 24/09/2024

Client Name: NZ Denim Ltd.

Lab received container temperature:

pH Meter: 7.53

Thermometer: 33.14

Water Types: _____ AFTER

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
1	TSS & TDS	After	16:40	7.53	2-8°C	500 ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
2	Heavy Metals	After	16:42	HNO3 to pH<2	2-8°C	250 ml	2 (each 250ml)/Amber glass bottle with PTFE lined lid	
3	Cr(VI)	After	16:44	0.45µm filter in field, Ammonium sulfate buffer to pH 9.0-9.5	2-8°C	250 ml	1 (each 250ml)/Amber glass bottle with PTFE lined lid	
4	Heavy Metals (Mercury)	After	16:45	HNO3 to pH<2	2-8°C	1 L	1 (each 1 L)/Amber Glass bottle	
5	BOD	After	16:48	7.53	2-8°C	500 ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
6	COD	After	16:50	H2SO4 to pH<2	2-8°C	500 ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
7	E. coli	After	16:52	HNO3 to pH<2	2-8°C	1 L	1 (each 1 L)/Amber Glass bottle	
8	Cyanide	After	16:55	0.1 ml 10% sodium thiosulfate, NaOH to pH<12	2-8°C	500 ml	ST Plastic bottle	

Sampling by: *[Signature]*

Checked by: *[Signature]*

Confirmed by Client: *[Signature]*



Water Sampling Record

Tracking no. 2409240250

Sampling Date: 24/09/2024

Client Name: NZ Denim Ltd.

Lab received container temperature:

pH Meter: 7.53

Thermometer: 33.14

Water Types: _____ AFTER

No.	Sampling No.	Locations	Time	pH	Temperature (°C)	Sample Volume (L)	Containers	Characteristic Descriptions/Remarks
9	Sulfite	After	16:57	Add 2 ml 2.5% EDTA Soln	2-8°C	500ml	2 (each 250ml)/Amber glass bottle with PTFE lined lid	
10	Chloride & Sulfate	After	16:59	7.53	2-8°C	500ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
11	Total Phenolics	After	17:01	H2SO4 to pH<2	2-8°C	500ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
12	Ammonium-N + Total N+ Total-P	After	17:03	H2SO4 to pH<2	2-8°C	500ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
13	Oil & Grease	After	17:05	H2SO4 to pH<2	2-8°C	500ml	1 (each 500ml)/Amber glass bottle with PTFE lined lid	
14	Sulfide	After	17:07	4 drops 2N Zinc acetate, NaOH> pH 9	2-8°C	250ml	2 (each 250ml)/Amber glass bottle with PTFE lined lid	
15	AOX	After	17:10	0.1 ml 10% sodium thiosulfate H2SO4, pH<2	2-8°C	1 L	2 (each 500ml)/Amber glass bottle	

Sampling by: *[Signature]*

Checked by: *[Signature]*

Confirmed by Client: *[Signature]*



Sludge Sampling Record

Tracking no. 2409240250

Sampling Date: 24/09/2024

Client Name: NZ Denim Ltd.

Sample Types: Sludge

No.	Sampling No.	Locations	Time	Colour (Visual)	Sample Volume (L)	Containers	Sludge Location	Characteristic Descriptions/Remarks	GPS Tracking info.
1	Sludge	ETP	15:40	Black	1 kg	2	Store		N 23° 46.316' E 090° 33.869'
Sludge Disposal pathway					If sludge not found, describe the reason				
<p>The WW Guideline defines seven ZDHC Disposal Pathways, they are:</p> <ul style="list-style-type: none"> • ZDHC Disposal Pathway A - Offsite Incineration at >1000oC • ZDHC Disposal Pathway B - Landfill with Significant Control Measures • ZDHC Disposal Pathway C - Building Products Processed at >1000oC • ZDHC Disposal Pathway D - Landfill with Limited Control Measures • ZDHC Disposal Pathway E - Offsite Incineration and Building Products Processed at <1000oC • ZDHC Disposal Pathway F - Landfills with No Control Measures • ZDHC Disposal Pathway G - Land Application 									

Sampling by: *[Signature]*

Checked by: *[Signature]*

Confirmed by Client: *[Signature]*



***** END OF REPORT *****