

## ATTACHMENT Facility Information

**Kawashima Textiles USA Inc.**  
**GCM-1380-0048**  
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### A - APPLICABLE PERMIT DATES

COVERAGE DATE: July 6, 2015

### B - FACILITY PHYSICAL ADDRESS

STREET ADDRESS: 412 Grove Street  
CITY, STATE, ZIP: Lugoff, SC 29078  
COUNTY: Kershaw

### C - EMISSION UNIT DESCRIPTION

Emission Unit ID	Emission Unit Description
01	VOID - Boiler No. 1 (Moved to ID19)
02	VOID - Boiler No. 2 (Moved to ID19)
03	VOID - Boiler No. 3 (Moved to ID19)
04	VOID - Boiler No. 4 (Moved to ID19)
05	VOID - Tenter #1 – South (Moved to ID20)
06	VOID - Tenter #2 – North (Moved to ID20)
07	VOID - Pre-dryer for the north heat setter-
08	VOID - 25,000 gallons Fuel oil storage tank- Moved to Exempt
09	VOID - Greige Mill Boiler No. 1 (Moved to ID19)
10	VOID - Greige Mill Boiler No. 2 (Moved to ID19)
11	VOID - 12,900 gallons Fuel oil storage tank- Moved to Exempt
12	Lint Collection System
13	Biancalani Dryer
14	Stork Print Machine
15	VOID - Tenter Frame #3 (Moved to ID20)
16	VOID - Embossing Press #1 (Moved to ID21)
17	VOID - Tenter Frame #4 (Moved to ID20)
18	VOID - Embossing Press #2 (Moved to ID21)
19	Boilers
20	Tenter Frames
21	Embossing Presses

### D - EQUIPMENT AND CONTROL DEVICES

#### D.1 - EQUIPMENT FOR EMISSION UNIT 12 - LINT COLLECTION SYSTEM

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
12	Lint Collection System	2002	12	Fugitive

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### D.2 - CONTROL DEVICE FOR EMISSION UNIT 12 - LINT COLLECTION SYSTEM

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant Controlled
12	10 x 12 single stage automatic panel filter-for lint collection system	2002	PM, PM <sub>10</sub> , PM <sub>2.5</sub>

### D.3 - EQUIPMENT FOR EMISSION UNIT 13 - DRYER

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
13	Biancalani Dryer	2002	13	Fugitive

### D.4 - CONTROL DEVICE FOR EMISSION UNIT 13 - DRYER

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant Controlled
13	Cyclone separator and filter-for dryer	2002	PM, PM <sub>10</sub> , PM <sub>2.5</sub>

### D.5 - EQUIPMENT FOR EMISSION UNIT 14 – PRINT MACHINE

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
14	4.92 million BTU/hr Natural Gas fired Stork Print Machine	2003	None	Fugitive

### D.6 - EQUIPMENT FOR EMISSION UNIT 19 – BOILERS

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
01	10.206 million BTU/hr Natural Gas/ No. 2 fuel oil fired boiler (Subject to 40 CFR 60 Subpart Dc)	1998	None	1
02	10.206 million BTU/hr Natural Gas/ No. 2 fuel oil fired boiler (Subject to 40 CFR 60 Subpart Dc)	1998	None	2
03	10.206 million BTU/hr Natural Gas/ No. 2 fuel oil fired boiler (Subject to 40 CFR 60 Subpart Dc)	1998	None	3
04	10.206 million BTU/hr Natural Gas/ No. 2 fuel oil fired boiler (Subject to 40 CFR 60 Subpart Dc)	1998	None	4
05	8.4 million Btu/hr natural gas/No. 2 fuel oil fired Greige Mill Boiler	1987	None	17
06	8.4 million Btu/hr natural gas/No. 2 fuel oil fired Greige Mill Boiler	1987	None	18

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### D.7 - EQUIPMENT FOR EMISSION UNIT 20 – TENTERS

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
07	South heat setting process (tenter frames) for the finishing of nylon and polyester. This process has a natural gas/propane fired infrared dryer rated at 4.9 million BTU/hr which is used for finishing high density taftita.	1998	None	9,10,11
08	North heat setting process (tenter frames) for the finishing of nylon and polyester. This process has a natural gas/propane fired infrared dryer rated at 4.9 million BTU/hr which is used for finishing high density taftita.	1998	None	12,13,14
09	8 million BTU/hr natural gas/propane fired Tenter Frame	2004	ESP	04k3
10	8 million BTU/hr natural gas/propane fired Tenter Frame	2004	ESP	04k3

### D.8 - CONTROL DEVICE FOR EMISSION UNIT 20 – TENTERS

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutants Controlled
ESP	SMOG HOG Electrostatic Precipitator (Voluntary Control Device)	2004	Opacity

### D.9 - EQUIPMENT FOR EMISSION UNIT 21 – EMBOSsing PRESSES

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID	Emission Point ID
15	Embossing Press #1	2004	None	04k4
16	Embossing Press #2	2004	None	04k4

### E - FACILITY SPECIFIC CONDITIONS

Condition Number	Conditions
E.1	<p><b>Emission Unit ID: 20</b>  <b>Equipment/Control Device ID: 09, 10, ESP</b></p> <p>The facility shall maintain a complete list of all materials that may be processed in Tenter Frames 9 and 10 which have the potential to produce smoke in excess of the specified opacity limitations. When one of the materials on the list is being processed, the ESP shall be in operation. The owner/operator shall maintain a record including the date, time and name of the material being processed. This information shall be maintained in a log onsite.</p> <p>On days the ESP operates, the owner/operator shall perform maintenance inspections on the ESP to ensure proper operation of the control device. The inspections shall include inspection of the TR sets, rappers, fans, and heater. Documentation of the maintenance activities and any other work performed (emergency, etc.) shall be maintained in a log onsite.</p>

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<b>RECORD OF REVISIONS</b>	
<b>Revision Date</b>	<b>Description of Change</b>

## ATTACHMENT Emission Rates for Ambient Air Standards

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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards.

<b>AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2</b>							
Emission Point ID	Emission Rates (lbs/hr)						
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	Lead	Gaseous Fluorides (as HF)
Boiler 1	0.17	0.11	--	3.74	0.84	9.18E-05	--
Boiler 2	0.17	0.11	--	3.74	0.84	9.18E-05	--
Boiler 3	0.17	0.11	--	3.74	0.84	9.18E-05	--
Boiler 4	0.17	0.11	--	3.74	0.84	9.18E-05	--
Greige Boiler #5	0.14	0.14	--	3.08	0.69	7.56E-05	--
Greige Boiler #6	0.14	0.14	--	3.08	0.69	7.56E-05	--
Lint Collection	0.05	0.05	--	--	--	--	--
Print Machine	0.04	0.04	0.003	0.79	0.414	7.56E-06	--
Tenter Frame #3	0.06	0.06	0.005	1.22	0.66	7.56E-06	--
Tenter Frame #4	0.06	0.06	0.005	1.22	0.66	7.56E-06	--
Tenter Frame #5	0.04	0.04	0.003	0.79	0.46	2.75E-06	--
Tenter North 1	0.012	0.012	0.003	0.250	0.13	7.56E-06	--
Tenter North 2	0.012	0.012	0.003	0.250	0.13	7.56E-06	--
Tenter North 3	0.012	0.012	0.003	0.250	0.13	7.56E-06	--
Tenter North 4	0.006	0.006	0.001	0.122	0.064	7.56E-06	--
Tenter South 1	0.012	0.012	0.003	0.250	0.13	7.56E-06	--
Tenter South 2	0.012	0.012	0.003	0.250	0.13	7.56E-06	--
Tenter South 3	0.012	0.012	0.003	0.250	0.13	7.56E-06	--

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>						
Emission Point ID	Emission Rates (lbs/hr)					
	Formaldehyde 50-00-0	Glycol Ethers	Toluene 108-88-3	Xylene 1330-20-7	Ethylene Glycol 107-21-1	Methanol 67-56-1
Embossers #1 & #2	0.00032	0.032	0.032	0.032	0.032	0.032
Print Machine	0.007	0.70	0.70	0.70	0.70	0.70
Tenter Frame #3	0.00008	0.008	0.008	0.008	0.008	0.008
Tenter Frame #4	0.00008	0.008	0.008	0.008	0.008	0.008
Tenter North 1	0.007	0.70	0.70	0.70	0.70	0.70
Tenter North 2	0.007	0.70	0.70	0.70	0.70	0.70
Tenter North 3	0.007	0.70	0.70	0.70	0.70	0.70
Tenter North 4	0.007	0.70	0.70	0.70	0.70	0.70
Tenter South 1	0.007	0.70	0.70	0.70	0.70	0.70
Tenter South 2	0.007	0.70	0.70	0.70	0.70	0.70
Tenter South 3	0.007	0.70	0.70	0.70	0.70	0.70