



South Carolina Department of Health  
and Environmental Control

## Conditional Major Air Quality Permit

**Kawashima Textile USA, Inc.**  
**412 Groves Street**  
**Lugoff, SC 29078**

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a), and the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62, the above named permittee is hereby granted permission to discharge air contaminants into the ambient air. The Bureau of Air Quality authorizes the operation of this facility and its applicable equipment specified herein in accordance with the Conditional Major Permit request submitted on March 31, 2009.

This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the 19 pages, with the accompanying attachments, of this permit.

**Permit Number: CM-1380-0048**  
**Issue Date: [DRAFT]**

**Effective Date: [DRAFT]**  
**Expiration Date: [DRAFT]**

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**Director, Engineering Services Division**  
**Bureau of Air Quality**



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**PART 1.0 GENERAL INFORMATION**

**A. APPLICABLE PERMIT DATES**

ISSUE DATE: <DRAFT>  
EFFECTIVE DATE: <DRAFT>  
EXPIRATION DATE: <DRAFT>

**B. FACILITY INFORMATION**

ENVIRONMENTAL CONTACT: Mr. Ed McGrath  
CONTACT TELEPHONE NUMBER: 803-421-003 ext 404  
CONTACT FAX NUMBER: N/A  
INTERNET E-MAIL ADDRESS: EMcGrath@Kawashima-usa.com  
FACILITY LOCATION: 412 Groves Street, Lugoff  
COUNTY: Kershaw  
SIC CODE(S): 2262  
NAICS CODE(S): 313311  
AFS CODE: 4505500048

**C. FACILITY MAILING ADDRESS**

FACILITY NAME Kawashima Textile USA, Inc.  
ADDRESS 412 Groves Street  
CITY, STATE, ZIP Lugoff, SC 29078

**D. FACILITY BILLING ADDRESS**

FACILITY BILLING NAME Kawashima Textile USA, Inc.  
ADDRESS 412 Grove Street  
CITY, STATE, ZIP Lugoff, SC 29078

**PART 2.0 APPLICABILITY**

**A. GENERAL APPLICABILITY**

Condition Number	Condition
2.A.1	This permit applies to any major stationary source, as defined by SC Regulation 61-62.70.2(r), which requests and fulfills the conditions of SC Regulation 61-62.1, Section II(G) to obtain and adhere to federally enforceable permit conditions to limit the source's potential to emit less than applicable major source thresholds.

**B. CRITERIA**

Condition Number	Condition
2.B.1	All limitations and requirements listed as enforceable permit conditions shall be permanent, quantifiable, or otherwise enforceable in a practical manner.
2.B.2	All permit conditions that constrain the operation of a source in an effort to limit potential to emit shall be federally enforceable. Unless otherwise agreed by the SC Department of Health and Environmental Control (Department) and US Environmental Protection Agency (US EPA), the Department shall provide to US EPA on a timely basis a copy of all draft and final permits intended to be federally enforceable.
2.B.3	This facility may be required to obtain a Part 70 operating permit in accordance with SC Regulation 61-62.70 if at any time an applicable major source threshold is exceeded.

**PART 3.0 GENERAL CONDITIONS**

The following conditions are applicable unless superseded by specific permit condition(s):

Condition Number	Condition
3.1	The permittee must comply with all applicable statutes and regulations of the United States and the State of South Carolina and this permit does not relieve the permittee from compliance with applicable local laws, ordinances, and regulations.
3.2	This permit has been issued based on information submitted by the permittee in a Conditional Major permit application. Any false information or misrepresentation in the application may be grounds for permit revocation. This permit supersedes any other operating permit issued by the Bureau of Air Quality upon the permit's effective date.

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<b>Condition Number</b>	<b>Condition</b>
3.3	<p>In accordance with SC Regulation 61-62.1, Section II(H), the permittee shall submit an operating permit renewal request to the Department no later than 90 days prior to the operating permit expiration date. The source may be inspected by the Department in order to decide whether to renew the permit. Past records of compliance and future probability of compliance will be considered in making the decision regarding renewal.</p> <p>Submission of a request for renewal meeting the requirements in S.C. Regulation 61-62.1, Section II(H) shall allow the permittee to continue operating pursuant to the most recent conditional major operating permit, until such time as the Department has taken final action on the request for renewal. In addition to the minimum information required by S.C. Regulation 61-62.1, Section II(C), any facility requesting a conditional major operating permit must also provide the following:</p> <ol style="list-style-type: none"><li>i. Potential emission calculations and proposed Federally enforceable emission limitations for each emission unit at the facility verifying that the total emissions at the facility will be below the major source (or facility) thresholds.</li><li>ii. All proposed production and/or operational limitations that will constrain the operation of each emission unit that are to be identified as Federally enforceable.</li><li>iii. All proposed monitoring parameters, recordkeeping and reporting requirements the source will use to determine and verify compliance with the requested Federally enforceable limitations on a continuous basis. The source shall also provide the compliance status of these proposed parameters and requirements at the time of the request submittal.</li></ol>
3.4	This permit expressly incorporates all the provisions of SC Regulation 61-62.1, Section II(J).
3.5	<p>In accordance with SC Regulation 61-62.1, Section II(J) for all sources not required to have continuous emissions monitors, in the event of any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence. The permittee shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ). The report shall contain as a minimum, the following: the identity of the emission unit and associated equipment where excess emissions occurred, the magnitude of excess emissions, the time and duration of excess emissions, the steps taken to remedy the malfunction and to prevent a recurrence, documentation that control equipment and processes were at all times maintained and operated, to the maximum extent practicable, in a manner that was consistent with good practice for minimizing emissions. Such a report shall in no way serve to excuse, otherwise justify, or in any manner affect any potential liability or enforcement action resulting from the occurrence.</p>
3.6	<p>This permit only covers emission units and control equipment while physically present at the indicated facility. Unless the permit specifically provides for the equipment relocation, this permit is void for an item of equipment on the day it is removed from the permitted facility, notwithstanding the expiration date specified on the permit.</p>
3.7	<p>In accordance with SC Regulation 61-62.1, Section II(M) within thirty (30) days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner/operator shall submit to the Department a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the company name and mailing address; the facility name and mailing address (if different from that of the company); the name, mailing address, and telephone number of the owner or agent for the company; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.</p>

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<b>Condition Number</b>	<b>Condition</b>
3.8	<p>Any permittee who plans to construct, alter, or add to a source of air contaminants, including the installation of any device for the control of air contaminant discharges shall submit a complete construction permit application package as described in SC Regulation 61-62.1, Section II(C)</p> <p>A construction permit application package for a federally-enforceable construction permit will be required if any of the emissions changes described above will affect a pollutant limited under SC Regulation 61-62.1, Section II(G). The Department may grant permission to proceed with minor alterations or additions without issuance of a permit when the Department determines that the alteration or addition will not increase the quantity and will not alter the character of the source's emissions.</p>
3.9	<p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:</p> <ol style="list-style-type: none"><li>1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit.</li><li>2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.</li><li>3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.</li><li>4. As authorized by the Act and/or the SC Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.</li></ol>
3.10	<p>This permit may be reopened by the Department for cause or to include any new standard or regulation which becomes applicable to a source during the life of the permit.</p>
3.11	<p>The permittee shall pay fees in accordance with SC Regulation 61-30, SC Environmental Protection Fees.</p>
3.12	<p>In the event of an emergency situation, as defined by SC Regulation 61-62.1, Section II(L), an affirmative defense to any action brought for noncompliance with an emission limitation shall be demonstrated by the facility if all of the conditions of SC Regulation 61-62.1, Section II(L) are met.</p>

**PART 4.0 FACILITY WIDE REQUIREMENTS**

<b>Condition Number</b>	<b>Condition</b>
4.1	<p>Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in the air dispersion modeling may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment A of this permit. Higher emission rates may be administratively incorporated into Attachment A of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded. This is a State Only enforceable requirement.</p>
4.2	<p>The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment A, not to exceed the pollutant limitations of this Conditional Major operating permit. Should the facility wish to increase the emission rates listed in Attachment A, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified in condition 4.1. This is a State Only enforceable requirement.</p>
4.3	<p>The permittee shall comply with SC Regulation 61-62.4 "Hazardous Air Pollution Conditions".</p>

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Condition Number	Condition
4.4	The permittee shall comply with SC Regulation 61-62.2 “Prohibition of Open Burning”.
4.5	The permittee shall comply with SC Regulation 61-62.6 “Control of Fugitive Particulate Matter”, Section III “Control of Fugitive Particulate Matter Statewide”.
4.6	<p><b>Limits/Standards:</b> This facility is a potential major source for nitrogen dioxide (NO<sub>x</sub>) as defined by SC Regulation 61-62.70.2(r)(2). IN accordance with SC Regulation 61-62.1 (G), the facility has agreed to Federally Enforceable operating limitations to limit its potential to emit to less than 100 tons NO<sub>x</sub> emissions per year based on a 12 month rolling sum.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall maintain fuel usage records and any other records necessary to determine facility wide NO<sub>x</sub> emissions. NO<sub>x</sub> emissions shall be calculated on monthly basis, and a twelve month rolling sum shall be calculated for total NO<sub>x</sub> emissions. The twelve month rolling sum shall be less than 100 tons. Annual reports of NO<sub>x</sub> emissions including all recorded parameters and calculated values shall be submitted. An algorithm, including example calculations and emission factors, explaining the method used to determine NO<sub>x</sub> rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>
4.7	<p><b>Limits/Standards:</b> This facility is a potential major source for emissions of a single Hazardous Air Pollutant (HAP) and for emissions of any combination of HAPs as defined by SC Regulation 61-62.70.2(r). The facility has agreed to Federally enforceable operating limitations to limits its potential to emit to less than 10 tons for single HAP emissions and to less than 25 tons for any combination of HAPs per consecutive 12 month period.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> VOC and HAP emissions shall be calculated on a monthly basis and a twelve month rolling sum shall be calculated for VOC and individual and total HAP emissions. Annual reports of VOC and HAP emissions including all recorded parameters and calculated values shall be submitted. An algorithm, including example calculations and emission factors, explaining the method used to determine HAP rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>
4.8	<p><b>Limits/Standards:</b> The owner/operator shall maintain fuel usage records and any other records necessary to determine facility wide SO<sub>2</sub> emissions. SO<sub>2</sub> emissions shall be calculated on monthly basis, and a twelve month rolling sum shall be calculated for total SO<sub>2</sub> emissions. The twelve month rolling sum shall be less than 100 tons.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Annual reports of SO<sub>2</sub> emissions including all recorded parameters and calculated values shall be submitted. An algorithm, including example calculations and emission factors, explaining the method used to determine SO<sub>2</sub> rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>

**PART 5.0 EMISSION UNIT REQUIREMENTS**

**A. EMISSION UNIT DESCRIPTION**

<b>TABLE 5.1 EMISSION UNITS</b>		
<b>Unit ID</b>	<b>Unit Description</b>	<b>Control Device</b>
01	Boiler No. 1 (Moved to ID19)	N/A
02	Boiler No. 2 (Moved to ID19)	N/A
03	Boiler No. 3 (Moved to ID19)	N/A
04	Boiler No. 4 (Moved to ID19)	N/A
05	Tenter #1—South (Moved to ID20)	N/A
06	Tenter #2—North (Moved to ID20)	N/A
07	Pre dryer for the north heat setter VOID	N/A
08	25,000 gallons Fuel oil storage tank—Moved to Exempt	N/A
09	Greige Mill Boiler No. 1 (Moved to ID19)	N/A
10	Greige Mill Boiler No. 2 (Moved to ID19)	N/A
11	12,900 gallons Fuel oil storage tank—Moved to Exempt	N/A
12	Lint Collection System	Pneumafil Model 10 x 12 single stage automatic panel filter
13	Biancalani Dryer	Cyclone separator and filter-for dryer
14	Stork Print Machine	N/A
15	Tenter Frame #3 (Moved to ID20)	Electrostatic Precipitator
16	Embossing Press #1 (Moved to ID21)	N/A
17	Tenter Frame #4 (Moved to ID20)	Electrostatic Precipitator
18	Embossing Press #2 (Moved to ID21)	N/A
19	Boilers	N/A
20	Tenter Frames	Electrostatic Precipitator
21	Embossing Presses	N/A

N/A = Not Applicable

<b>TABLE 5.2 CONTROL DEVICES</b>			
<b>Control Device ID</b>	<b>Control Device Description</b>	<b>Installation Date</b>	<b>Pollutant(s) Controlled</b>
12	Pneumafil Model 10 x 12 single stage automatic panel filter-for lint collection system	2002	PM/ PM <sub>10</sub>
13	Cyclone separator and filter-for dryer	2002	PM/ PM <sub>10</sub>
ESP	“SMOG HOG” Electrostatic Precipitator	2004	Opacity

N/A = Not Applicable

**B. GENERIC CONDITIONS**

<b>GENERIC CONDITIONS</b>			
<b>Condition Number</b>	<b>Unit ID</b>	<b>Equipment ID</b>	<b>Condition</b>
GC1		All sources	Unless elsewhere specified within this permit, all records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to a Department representative upon request.

GENERIC CONDITIONS			
Condition Number	Unit ID	Equipment ID	Condition
GC2		All sources	<p>Unless elsewhere specified within this permit, all reports required under this permit including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality, at the address listed below, postmarked no later than thirty (30) calendar days after the end of the reporting period.</p> <p>SC DHEC - BAQ                      Technical Management Section                      2600 Bull Street                      Columbia, SC 29201</p>

**C. EMISSION UNIT – LIMITATIONS, MONITORING AND REPORTING**

Table 5.3 - Unit ID 12 – Lint Collection System				
Equipment ID	Description	Installation Date/Modification Date	Control Device ID	Stack ID
12	Lint Collection System	2003	12	N/A

Table 5.4 - Control Device(s) For Unit ID 12 – Lint Collection System			
Control Device ID	Description	Installation Date/Modification Date	Pollutant(s) Controlled
12	Pneumafil Model 10 x 12 single stage automatic panel filter-for lint collection system	2002	PM/PM <sub>10</sub>

Conditions For Unit ID 12 – Lint Collection System			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
12.1	12	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit opacity greater than 20%.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>

Conditions For Unit ID 12 – Lint Collection System									
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions						
12.2	12	PM	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: for process weight rates less than or equal to 30 tons per hour (<math>E = 4.10P^{0.67}</math>) and for process weight rates greater than 30 tons per hour (<math>E = 55.0P^{0.11} - 40</math>) where E = the allowable emission rate in pounds per hour and P = process weight rate in tons per hour. As such, each unit's allowable particulate matter emission limit is limited to the amount shown in the table below at its nominal production rating:</p> <table border="1"> <thead> <tr> <th>Process</th> <th>Emission Limit (lbs/hr)</th> <th>Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td>Lint Collection System</td> <td>1.67</td> <td>0.263</td> </tr> </tbody> </table> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Operation and maintenance checks will be made on the cyclone and collection filters for proper operation. The following operation and maintenance checks will be made on at least a weekly basis for the control equipment:</p> <ol style="list-style-type: none"> <li>The cyclone(s) and ductwork system(s) will be checked for damaged or worn sheet metal or other interferences with proper operation.</li> <li>Check filter systems for proper operation.</li> </ol> <p>The inspections results shall be maintained in logs (written or electronic), along with any corrective action taken, for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	Lint Collection System	1.67	0.263
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)							
Lint Collection System	1.67	0.263							

**Table 5.5 - Unit ID 13 - Dryer**

Equipment ID	Description	Installation Date/Modification Date	Control Device ID	Stack ID
13	Biancalani Dryer	2003	13	N/A

**Table 5.6 - Control Device(s) For Unit ID 13 - Dryer**

Control Device ID	Description	Installation Date/Modification Date	Pollutant(s) Controlled
13	Cyclone separator and filter-for dryer	2002	PM

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<b>Conditions For Unit ID 13 - Dryer</b>									
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/ Standard</b>	<b>Conditions</b>						
13.1	13	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit opacity greater than 20%.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>						
13.2	13	PM	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: for process weight rates less than or equal to 30 tons per hour (<math>E = 4.10P^{0.67}</math>) and for process weight rates greater than 30 tons per hour (<math>E = 55.0P^{0.11} - 40</math>) where E = the allowable emission rate in pounds per hour and P = process weight rate in tons per hour. As such, each unit's allowable particulate matter emission limit is limited to the amount shown in the table below at its nominal production rating:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th><b>Process</b></th> <th><b>Emission Limit (lbs/hr)</b></th> <th><b>Process Weight Rate (tons/hr)</b></th> </tr> </thead> <tbody> <tr> <td align="center">Biancalani Dryer</td> <td align="center">2.22</td> <td align="center">0.39</td> </tr> </tbody> </table> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Operation and maintenance checks will be made on the cyclone and collection filters for proper operation. The following operation and maintenance checks will be made on at least a weekly basis for the control equipment:</p> <ol style="list-style-type: none"> <li>a. The cyclone(s) and ductwork system(s) will be checked for damaged or worn sheet metal or other interferences with proper operation.</li> <li>b. Check filter systems for proper operation.</li> </ol> <p>The inspections results shall be maintained in logs (written or electronic), along with any corrective action taken, for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request.</p>	<b>Process</b>	<b>Emission Limit (lbs/hr)</b>	<b>Process Weight Rate (tons/hr)</b>	Biancalani Dryer	2.22	0.39
<b>Process</b>	<b>Emission Limit (lbs/hr)</b>	<b>Process Weight Rate (tons/hr)</b>							
Biancalani Dryer	2.22	0.39							

**Table 5.7 - Unit ID 14 – Print Machine**

<b>Equipment ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
14	4.92 x 10 <sup>6</sup> BTU/hr Stork Print Machine	2003	N/A	N/A

**Table 5.8 - Control Device(s) For Unit ID 14 – Print Machine**

<b>Control Device ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Pollutant(s) Controlled</b>
N/A	N/A	N/A	N/A

Conditions For Unit ID 14 – Print Machine									
Condition Number	Equip ID	Regulated Pollutant/ Standard	Conditions						
14.1	14	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit opacity greater than 20%.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>						
14.2	14	Fuel Use	<p><b>Limits/Standards:</b> These sources are permitted to burn only natural gas/propane as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>						
14.3	14	PM	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: for process weight rates less than or equal to 30 tons per hour (<math>E = 4.10P^{0.67}</math>) and for process weight rates greater than 30 tons per hour (<math>E = 55.0P^{0.11} - 40</math>) where E = the allowable emission rate in pounds per hour and P = process weight rate in tons per hour. As such, each unit's allowable particulate matter emission limit is limited to the amount shown in the table below at its nominal production rating:</p> <table border="1" data-bbox="631 1119 1425 1220"> <thead> <tr> <th>Process</th> <th>Emission Limit (lbs/hr)</th> <th>Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td>Print Machine</td> <td>3.53</td> <td>0.8</td> </tr> </tbody> </table> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	Print Machine	3.53	0.8
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)							
Print Machine	3.53	0.8							

Table 5.9 - Unit ID 19 – Boilers				
Equipment ID	Description	Installation Date/ Modification Date	Control Device ID	Stack ID
01	Natural Gas/Spec. oil fired boiler (Cleaver Brooks Model CB400-250 150) rated at 10.206 million BTU/hr	1998	N/A	1
02	Natural Gas/Spec. oil fired boiler (Cleaver Brooks Model CB400-250 150) rated at 10.206 million BTU/hr	1998	N/A	2
03	Natural Gas/Spec. oil fired boiler (Cleaver Brooks Model CB400-250 150) rated at 10.206 million BTU/hr	1998	N/A	3
04	Natural Gas/Spec. oil fired boiler (Cleaver Brooks Model CB400-250 150) rated at 10.206 million BTU/hr	1998	N/A	4
05	8.4 x 10 <sup>6</sup> Btu/hr natural gas/fuel oil fired Greige Mill Boiler	1987	N/A	17

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**Table 5.9 - Unit ID 19 – Boilers**

Equipment ID	Description	Installation Date/ Modification Date	Control Device ID	Stack ID
06	8.4 x 10 <sup>6</sup> Btu/hr natural gas/fuel oil fired Greige Mill Boiler	1987	N/A	18

**Table 5.10 - Control Device(s) For Unit ID 19 – 10.206 million BTU/hr Boiler #1**

Control Device ID	Description	Installation Date/ Modification Date	Pollutant(s) Controlled
N/A	N/A	N/A	N/A

**Conditions For Unit ID 19 – Boilers**

Condition Number	Equip ID	Regulated Pollutant/ Standard	Conditions
19.1	01-06	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations. Boiler #1 shall not discharge into the ambient air smoke which exceeds opacity of 20%. The twenty (20) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity. The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.</p>
19.2	01-06	PM	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations Section II - Particulate Matter Emissions, the allowable discharge of particulate matter resulting from the fuel burning operations is 0.6 lbs/10<sup>6</sup>BTU input.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>
19.3	01-06	SO <sub>2</sub>	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of sulfur dioxide (SO<sub>2</sub>) resulting from the fuel burning operations is 3.5 pounds per million BTU input.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Fuel oil sulfur content shall be less than or equal to 2.5% percent by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled “Guidance For Fuel Oil Certifications” issued on May 19, 2000 and any subsequent revisions. Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Records of fuel oil certification shall be maintained on site.</p>

Conditions For Unit ID 19 – Boilers			
Condition Number	Equip ID	Regulated Pollutant/ Standard	Conditions
19.4	01-04	SO <sub>2</sub>	<p><b>Limits/Standards:</b> As specified in 40CFR60, Subpart Dc, these fuel burning operations shall be allowed sulfur dioxide emissions of 0.5 lb/10<sup>6</sup> BTU input or limit spec. oil to less than or equal to 0.5% sulfur content.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Compliance with the fuel sulfur limit shall be determined based on certification from the fuel supplier as specified in 40 CFR 60.48c (f). Records of these certifications shall be kept on site. Reports shall be submitted every six-month period. The reports shall consist of the fuel certification records and a signed statement from the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. The owner/operator shall record and maintain records of the amounts and types of each fuel combusted by the boilers. The amount and type of fuel combusted shall be recorded monthly and maintained on site.</p>
19.5	01-06	Fuel Use	<p><b>Limits/Standards:</b> This source is permitted to burn only natural gas, #2 fuel oil in which the oil sulfur content shall be less than or equal to 0.5% by weight, #5 fuel oil in which the oil sulfur content shall be less than or equal to 2.0% by weight, #6 fuel oil in which the oil sulfur content shall be less than or equal to 2.5% by weight, and reprocessed fuel oil (which meets the definition of specification oil) as fuel. Reprocessed fuel oil sulfur content shall be less than or equal to 0.5% by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled “Guidance For Fuel Oil Certifications” issued on August 12, 2004 and any subsequent revisions. The use of any other substances (including non-specification oil) as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall record each shipment, including fuel grade and supplier certification of sulfur content of the fuel.</p>
19.6	01-06	Specification Oil Combustion Limits	<p><b>Limits/Standards:</b> This source is permitted to burn only natural gas, #2 fuel oil in which the oil sulfur content shall be less than or equal to 0.5% by weight, #5 fuel oil in which the oil sulfur content shall be less than or equal to 2.0% by weight, #6 fuel oil in which the oil sulfur content shall be less than or equal to 2.5% by weight, and reprocessed fuel oil (which meets the definition of specification oil) as fuel. Reprocessed fuel oil sulfur content shall be less than or equal to 0.5% by weight. The use of any other substances (including non-specification oil) as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The periodic testing requirements of SC Regulation 61-62.5, Standard No. 3 have been waived in accordance with section IIIA and VIIIA. The boilers are exempt from the emission limitations listed in Table III of Standard 3, Section J in accordance with paragraph 7 of the section. As required by SC Regulation 61-62.5, Standard 3, Section V(D), each burner of used oil shall have each batch or shipment of used oil analyzed in order to demonstrate the used oil meets spec oil criteria. Records of used oil analyses shall be kept on site.</p>

<b>Table 5.11 - Unit ID 20 – Tenters</b>				
<b>Equipment ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
07	South heat setting process (tenter frames) for the finishing of nylon and polyester. This process has a natural gas/propane fired infered dryer rated at 4.9 million BTU/hr which is used for finishing high density taftita.	1998	N/A	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 infered dryer rated at 4.9 million BTU/hr which is used for finishing high density taftita.	1998	N/A	12,13,14
09	8 x 10 <sup>6</sup> BTU/hr Tenter Frame	2004	ESP	04k3
10	8 x 10 <sup>6</sup> BTU/hr Tenter Frame	2004	ESP	04k3

<b>Table 5.12 - Control Device(s) For Unit ID 20 – Tenters</b>			
<b>Control Device ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Pollutant(s) Controlled</b>
ESP	“SMOG HOG” Electrostatic Precipitator	2004	Opacity

<b>Conditions For Unit ID 20 – Tenters</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/ Standard</b>	<b>Conditions</b>
20.1	07-08	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit opacity greater than 20%.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>
20.2	09-10	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit opacity greater than 20%.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall perform daily (Monday through Friday) 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 on site.</p>

Conditions For Unit ID 20 – Tenters												
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions									
20.3	07-08	Fuel Use	<p><b>Limits/Standards:</b> This source is permitted to burn only natural gas, #2 fuel oil in which the oil sulfur content shall be less than or equal to 0.5% by weight, #5 fuel oil in which the oil sulfur content shall be less than or equal to 2.0% by weight, #6 fuel oil in which the oil sulfur content shall be less than or equal to 2.5% by weight, and reprocessed fuel oil (which meets the definition of specification oil) as fuel. Reprocessed fuel oil sulfur content shall be less than or equal to 0.5% by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled “Guidance For Fuel Oil Certifications” issued on August 12, 2004 and any subsequent revisions. The use of any other substances (including non-specification oil) as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall record each shipment, including fuel grade and supplier certification of sulfur content of the fuel.</p>									
20.4	09-10	Fuel Use	<p><b>Limits/Standards:</b> These sources are permitted to burn only natural gas/propane as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>									
20.5	09-10	PM	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: for process weight rates less than or equal to 30 tons per hour (<math>E = 4.10P^{0.67}</math>) and for process weight rates greater than 30 tons per hour (<math>E = 55.0P^{0.11} - 40</math>) where E = the allowable emission rate in pounds per hour and P = process weight rate in tons per hour. As such, each unit’s allowable particulate matter emission limit is limited to the amount shown in the table below at its nominal production rating:</p> <table border="1" data-bbox="631 1335 1425 1467"> <thead> <tr> <th>Process</th> <th>Emission Limit (lbs/hr)</th> <th>Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td>09</td> <td>11.23</td> <td>4.5</td> </tr> <tr> <td>10</td> <td>11.23</td> <td>4.5</td> </tr> </tbody> </table> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	09	11.23	4.5	10	11.23	4.5
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)										
09	11.23	4.5										
10	11.23	4.5										

Table 5.13 - Unit ID 21 – Embossing Presses

Equipment ID	Description	Installation Date/Modification Date	Control Device ID	Stack ID
15	Embossing Press #1	2004	N/A	04k4
16	Embossing Press #2	2004	N/A	04k4

**Table 5.14 - Control Device(s) For Unit ID 21 – Embossing Presses**

Control Device ID	Description	Installation Date/ Modification Date	Pollutant(s) Controlled
N/A	N/A	N/A	N/A

**Conditions For Unit ID 21 – Embossing Presses**

Condition Number	Equip ID	Regulated Pollutant/ Standard	Conditions									
21.1	15-16	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit opacity greater than 20%.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>									
21.2	15-16	Fuel Use	<p><b>Limits/Standards:</b> These sources are permitted to burn only natural gas/propane as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>									
21.3	15-16	PM	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: for process weight rates less than or equal to 30 tons per hour (<math>E = 4.10P^{0.67}</math>) and for process weight rates greater than 30 tons per hour (<math>E = 55.0P^{0.11} - 40</math>) where E = the allowable emission rate in pounds per hour and P = process weight rate in tons per hour. As such, each unit's allowable particulate matter emission limit is limited to the amount shown in the table below at its nominal production rating:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Process</th> <th>Emission Limit (lbs/hr)</th> <th>Process Weight Rate (tons/hr)</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>3.53</td> <td>0.8</td> </tr> <tr> <td>16</td> <td>3.53</td> <td>0.8</td> </tr> </tbody> </table> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> No monitoring Required.</p>	Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)	15	3.53	0.8	16	3.53	0.8
Process	Emission Limit (lbs/hr)	Process Weight Rate (tons/hr)										
15	3.53	0.8										
16	3.53	0.8										

**PART 6.0 REPORTING REQUIREMENTS**

**TABLE 6.1 PERIODIC REPORTING SCHEDULE**

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 <sup>th</sup> July 30 <sup>th</sup> October 30 <sup>th</sup> January 30 <sup>th</sup>

**TABLE 6.1 PERIODIC REPORTING SCHEDULE**

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Semiannual	January-June	July 30 <sup>th</sup>
	April-September	October 30 <sup>th</sup>
	July-December	January 30 <sup>th</sup>
	October-March	April 30 <sup>th</sup>
Annual	January-December	January 30 <sup>th</sup>
	April-March	April 30 <sup>th</sup>
	July-June	July 30 <sup>th</sup>
	October-September	October 30 <sup>th</sup>

Note: This reporting schedule does not supercede any Federal reporting requirements including but not limited to 40 CFR 60, 61, and 63. All Federal reports must meet the reporting time frames specified in the Federal standard unless the Department or EPA approves a change.

**PART 7.0 ADDITIONAL CONDITIONS**

**A. SPECIFIC CONDITIONS**

Condition Number	Conditions
7.A.1	<p>Emergency power generators have been determined to be exempt from construction permitting requirements in accordance with South Carolina Regulation 61-62.1 Section II.B.2.f and as such are listed as exempt sources in this permit. These sources shall still comply with the requirements of all applicable regulations including but not limited to:</p> <ul style="list-style-type: none"> <li>New Source Performance Standards (NSPS) 40 CFR 60 Subparts A (General Provisions); IIII (Stationary Compression Ignition Internal Combustion Engines); and JJJJ (Stationary Spark Ignition Internal Combustion Engines)</li> </ul>

**B. EXEMPT SOURCES**

Equip ID	Source Description (Date Listed)	Exemption Basis
scour1, scour2	Scouring process (#1 and #2)	Emission level
colmix	Color mix	Emission level
jet1-jet4	Jet dyers (four)	Emission level
lrgjet1, lrgjet2	Large Jet Dryers (#1 and #2)	Emission level
Tank3	Propane Tank	SC 62.1, Section II(B)(2)(h)
minjet	Mini jet dryer	Emission level
packer	Packing Machine	Emission level
scutch	Scutcher	Emission level
separ	Separator	Emission level
calend	Calendar	Emission level
knit1-knit3	Knitting Machines (3)	Emission level
airwash #1- #3	Air Washers (3)	Emission level
chill1, chill2	Chillers (2)	Emission level
wwtp	Wastewater treatment	Emission level
coolt1, coolt2	Cooling Towers (2)	Emission level
Tank1	25,000 gallons Fuel oil storage tank	Emission level
Tank2	12,900 gallons Fuel oil storage tank	Emission level

N/A = Not Applicable

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**Modeled Emission Rates  
Kawashima Textile USA, Inc.  
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<b>MODELED NAAQS EMISSION RATES</b>					
<b>SOURCE IDENTIFICATION</b>	<b>TSP (LBS/HR)</b>	<b>PM<sub>10</sub> (LBS/HR)</b>	<b>SO<sub>2</sub> (LBS/HR)</b>	<b>NO<sub>2</sub> (LBS/HR)</b>	<b>CO (LBS/HR)</b>
Boiler 1*	0.585	0.585	3.975	3.74	0.84
Boiler 2*	0.585	0.585	3.975	3.74	0.84
Boiler 3*	0.585	0.585	3.975	3.74	0.84
Boiler 4*	0.585	0.585	3.975	3.74	0.84
Tenter South 1	0.012	0.012	0.003	0.250	0.13
Tenter South 2	0.012	0.012	0.003	0.250	0.13
Tenter South 3	0.012	0.012	0.003	0.250	0.13
Tenter North 1	0.012	0.012	0.003	0.250	0.13
Tenter North 2	0.012	0.012	0.003	0.250	0.13
Tenter North 3	0.012	0.012	0.003	0.250	0.13
Tenter North 4	0.006	0.006	0.001	0.122	0.064
Greige Boiler	0.64	0.64	4.4	3.08	0.69
Greige Boiler	0.64	0.64	4.4	3.08	0.69
Lint Collection	0.079	0.079	-	-	-
Print Machine	0.079	0.079	0.009	0.79	0.414
Tenter Frame #3	0.2	0.2	0.005	1.22	0.66
Tenter Frame #4	0.2	0.2	0.005	1.22	0.66
Embosser #1	0	0	0	0	0
Embosser #2	0	0	0	0	0
Oxidizer(Oxidizer Stack)	0.17	0.17	--	1.47	--
Ohoxon(Overhead Stack)	0.86	0.86	--	0.012	--
<b>FACILITY TOTAL</b>	<b>5.286</b>	<b>5.286</b>	24.74	<b>27.45</b>	7.32

\*To maintain compliance with standards for SO<sub>2</sub>, the finishing boilers were restricted to operating at no greater than 75% capacity (SO<sub>2</sub> modeled at 3.975 lb/hr, not 5.3 lb/hr) or to operation of three boilers at 100% capacity while

## ATTACHMENT A

### Modeled Emission Rates Kawashima Textile USA, Inc. CM-1380-0048 PAGE 2 OF 3

simultaneously burning #2 or #5 fuel oil. The facility also chose to model PM emissions at 75% of the maximum emission rate (0.585 lb/hr versus 0.78 lb/hr).

\*Oxidizer Stack is at a co-located facility.

MODELED AIR TOXIC EMISSION RATES						
SOURCE IDENTIFICATION	Formaldehyde (LBS/HR)	Glycol Ethers (LBS/HR)	Ethylene Glycol (LBS/HR)	Methanol (LBS/HR)	Toluene (LBS/HR)	Xylene (LBS/HR)
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
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
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
Embossers #1 & #2	0.00032	0.032	0.032	0.032	0.032	0.032
<b>FACILITY TOTAL</b>	<b>0.05648</b>	<b>5.648</b>	<b>5.648</b>	<b>5.648</b>	<b>5.648</b>	<b>5.648</b>

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
STACK	Modeled Emission Rates (lbs/hr)					
	Formaldehyde 50000	Glycol Ethers N/A	Ethylene Glycol 107062	Methanol 67561	Toluene 108883	Xylene 1330207
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
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
Print Machine	0.007	0.70	0.70	0.70	0.70	0.70

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**Modeled Emission Rates  
Kawashima Textile USA, Inc.  
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<b>TOXIC AIR POLLUTANTS MODELED - STANDARD 8</b>						
<b>STACK</b>	<b>Modeled Emission Rates (lbs/hr)</b>					
	<b>Formaldehyde 50000</b>	<b>Glycol Ethers N/A</b>	<b>Ethylene Glycol 107062</b>	<b>Methanol 67561</b>	<b>Toluene 108883</b>	<b>Xylene 1330207</b>
<b>FACILITY TOTAL</b>	0.056	5.6	5.6	5.6	5.6	5.6

<b>STANDARD NO. 2 and 7 - EXEMPTED AAQS EMISSION RATES (LBS/HR)</b>		
<b>SOURCE IDENTIFICATION</b>	<b>SO<sub>2</sub></b>	<b>CO</b>
Oxon (Overhead Stack)	0.00007	0.01
Oxidizer (Oxidizer Stack)	0.002	0.25
<b>TOTALS</b>	<b>0.00207</b>	<b>0.26</b>

CURRENT DATE

Kawashima Textile USA, Inc.  
412 Groves Street  
Lugoff, SC 29078

**ATTENTION:** Mr. Paul R. Huebner

Dear Mr. Huebner:

Enclosed with this letter is Permit No. CM-1380-0048 that takes effect on [DATE]. This conditional major operating permit will limit the facility's potential to emit to below Title V Major Source thresholds, thereby restricting it from Title V Major Source status as defined in SC Regulation 61-62.70, "Title V Operating Permit Program." Please note the conditions and limitations imposed. This permit will be valid through EXPIRATION DATE. Pursuant to the South Carolina Administrative Procedures Act, this permit decision may be appealed in accordance with applicable state law. Please see the enclosed Notice of Appeal Procedure, effective July 01, 2006, for guidelines on appeal submittals.

Please be advised that the effective date of this permit begins the facility's reporting period under the terms and conditions of this permit. Abbreviated periodic reports shall be completed and submitted in accordance with the previous permit's conditions and shall cover the interim period between the previous permit reporting period and the new permit reporting period.

Please examine this new permit carefully for errors or omissions and notify the appropriate staff member, Tawanna Reid, 803-898-8718 or e-mail at reidtf@dhec.sc.gov promptly if any are discovered.

Thank you for your cooperation.

Sincerely,

Elizabeth J. Basil, Director  
Engineering Services Division  
Bureau of Air Quality

EJB:JSL:<TYPIST'S INITIALS>

Enclosures

cc: Reggie Watts, Region 4, Sumter EQC Office  
Conditional Major File: CM-1380-0048

## Notice of Appeal Procedure

The following procedures are in effect beginning July 1, 2006, pursuant to 2006 Act No. 387:

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department by the applicant, permittee, licensee, or affected person.
2. An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3393.

Clerk of the Board  
SC DHEC  
2600 Bull Street  
Columbia, SC 29201

3. The request for final review should include the following:
  - a. the grounds on which the Department's decision is challenged and the specific changes sought in the decision
  - b. a statement of any significant issues or factors the Board should consider in deciding how to handle the matter
  - c. a copy of the Department's decision or action under review
4. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 days after notice of the decision has been mailed to the applicant or respondent. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due.
5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.
6. The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.
7. If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

**The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.**