



## Department of Environmental Protection

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# PROPOSED AIR QUALITY OPERATING PERMIT

Issued by the Massachusetts Department of Environmental Protection ("Department" or "MassDEP") pursuant to its authority under M.G.L. c. 111, §142B and §142D, 310 CMR 7.00 et seq., and in accordance with the provisions of 310 CMR 7.00: Appendix C.

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**ISSUED TO ["the Permittee"]:**

Duro Textiles, LLC.  
110 Chace Street  
Fall River, MA 02724

**INFORMATION RELIED UPON:**

Application No. SE-13-041  
Transmittal No. X257785

**FACILITY LOCATION:**

Duro Textiles, LLC.  
110 Chace Street  
Fall River, MA 02724

**FACILITY IDENTIFYING NUMBERS:**

AQ ID: 1200018  
FMF FAC NO.: 130794  
FMF RO NO.: 54200

**NATURE OF BUSINESS:**

Textile Processing, Coating, Printing,  
Dyeing and Finishing

Standard Industrial Classification (SIC): 2269  
North American Industrial Classification System  
(NAICS): 313310

**RESPONSIBLE OFFICIAL:**

Name: Frank Tarantino  
Title: Chief Financial Officer

**FACILITY CONTACT PERSON:**

Name: Tom Tighe  
Title: Engineer  
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**This operating permit shall expire on** Proposed

For the Department of Environmental Protection

Proposed

05/31/2016

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Permit Chief, Bureau of Air and Waste

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Date

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## **SPECIAL CONDITIONS FOR OPERATING PERMIT**

### **1. PERMITTED ACTIVITIES**

In accordance with the provisions of 310 CMR 7.00:Appendix C and applicable rules and regulations, the Permittee is authorized to operate air emission units as shown in Table 1 and exempt, and insignificant activities as described in 310 CMR 7.00:Appendix C(5)(h) and (i). The units described in Table 1 are subject to the terms and conditions shown in Sections 4, 5, and 6 and to other terms and conditions as specified in this Permit. Emissions from the exempt activities shall be included in the total facility emissions for the emission-based portion of the fee calculation described in 310 CMR 4.00 and this Permit.

#### **A. DESCRIPTION OF FACILITY AND OPERATIONS**

Duro Textiles, LLC (“Duro” or “the facility”), is a commission textile company comprised of three plant operations, all located on contiguous properties in Fall River, Massachusetts. Various blends of fabric are dyed, printed, coated, and finished to the customer’s specifications. As defined in 310 CMR 7.00: Appendix C, the facility is a major source of Nitrogen Oxides (NO<sub>x</sub>), Volatile Organic Compounds (VOC), Carbon Monoxide (CO), Sulfur Dioxide (SO<sub>2</sub>), Particulate Matter (PM) and Hazardous Air Pollutants<sup>1</sup> (HAP).

The Duro Textiles, LLC facility-wide (**FAC**) operations are designated as follows:

1. Duro Finishing - Finishing Plant operations (DF) - 110 Chace Street
2. Duro Textile Printers - Print Plant operations (DTP) - 206 Globe Mills Avenue
3. Duro Plant 2 - Plant 2 operations (P2) - 1 Middle Street

The Duro Finishing Plant (DF) performs fabric preparation (washing and neutralization of fabric rolls), fabric dyeing, fabric finishing and fabric coating. **DF** was issued a VOC Reasonably Available Control Technology (RACT) approval (4P93103) under 310 CMR 7.18(26) Textile Finishing. In addition to the process operations, **DF** operates 3 fuel utilization facilities, which burn either No. 6 Fuel Oil ( $\leq 1.0\%$  Sulfur) and/or Natural Gas.

The Duro Textile Printers Plant (DTP) performs fabric preparation (washing and neutralization of fabric rolls), fabric dyeing, fabric finishing and fabric printing. **DTP** was issued a VOC RACT approval (SM-85-168-IF) under 310 CMR 7.18(17) Reasonable Available Control Technology. In addition to the process operations, **DTP** operates 5 fuel utilization facilities. Boilers 12-DTP, 14-DTP, 15-DTP and 16-DTP have the capability to fire both No.6 Fuel Oil ( $\leq 1.0\%$  Sulfur) and Natural Gas. As part of the OP Renewal Application No. SE-13-041, the facility has proposed to designate these units as boilers that fire gas-1 subcategory as defined under 40 CFR 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. Boiler 5-DTP is operated exclusively with natural gas. The facility indicated in its OP Renewal Application No. SE-13-041 that formerly Boiler 11-DTP was never connected to a fuel supply; therefore, Boiler 11-DTP is no longer considered an Emission Unit (EU) and has been removed from this OP.

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<sup>1</sup> Hazardous Air Pollutants are as listed in the 1990 Clean Air Act (CAA) Amendments, Section 112(b).

Duro Plant 2 (P2) currently does not contain any manufacturing processes but operates 2 fuel utilization facilities (Boilers 3-P2 and 4-P2). In a letter dated October 27, 2015 to the Massachusetts Department of Environmental Protection (MassDEP), the facility notified MassDEP of the reactivation of Boiler 3-P2 (which was installed as approved by Plan Approval No. SM-79-060-CO, issued by MassDEP on January 14, 1980) and the decommissioning of Boiler 2-P2. The reactivation of Boiler 3-P2 met all the applicable requirements under 310 CMR 7.02(3)(m). The facility has also proposed to designate Boilers 3-P2 and 4-P2 as “limited-use boilers” as defined in 40 CFR 63 Subpart DDDDD, §63.7575 and will assume a federally enforceable average annual capacity factor of no more than 10 percent.

Duro Textiles, LLC (FAC) facility wide operations include several maintenance parts washers (cold cleaning degreasers) and the storage of fabric coatings, inks, dyes and finishing chemicals.

The OP renewal application includes the addition of a natural gas fired emergency generator engine (Emission Unit EG) rated at 89 brake horsepower. The unit was installed on May 19, 2012 and is subject to the requirements of 310 CMR 7.26(42) *Emergency Engines and Turbines*, 40 CFR 60 Subpart JJJJ, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* and 40 CFR 63 Subpart ZZZZ, *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*.

The facility is a major source for Hazardous Air Pollutants (HAP) and therefore subject to the requirements of 40 CFR 63 Subpart OOOO, *National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles*. As a major source of HAP, the facility’s boilers and process heaters are subject to the requirements of 40 CFR 63 Subpart DDDDD, *National Emission Standards for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters*.

Air pollution control equipment at the facility currently includes Smoke Abaters for the control of visible emissions, two (2) Wet Electrostatic Precipitators (WESP) for the control of visible emissions and particulate matter (PM), and a Recuperative Thermal Oxidizer that controls VOC and HAP emissions from solvent fabric coating at the Duro Finishing Plant.

As part of this operating permit renewal application, a compliance assurance monitoring (CAM) applicability determination was conducted. According to 40 CFR 64.2(a), it was determined that emission units (EUs) 43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP, and 50-DTP are all subject to CAM, as the units use Wet Electrostatic Precipitators (WESPs) and have the potential pre-control device emissions of Particulate Matter in an amount equal to or greater than a Title V major source threshold. EU 38-DF is subject to 40 CFR 64 for VOC. The facility proposed in the application that compliance with the monitoring requirements under 40 CFR 63 Subpart OOOO, which EU-38 is subject to, shall satisfy CAM requirements for VOC emissions. According to 40 CFR 64.2 (b)(i), the requirements of 40 CFR Part 64 shall not apply to emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act. The facility indicated that the pollutant controlled by 40 CFR 63 Subpart OOOO is organic HAPs, which it stated are also VOCs. The facility therefore proposes that the NESHAP monitoring requirements are directly transferable for control of VOC emissions. The facility indicated that emission units 33-DF, 34-DF, 36-DF, 38-DF, 43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP, and 50-DTP are not subject to CAM for opacity emissions as opacity does not have a Title V major threshold. In accordance with 40 CFR 64.5(a) and (b) and as part of the operating permit renewal application, the facility submitted a CAM plan and it is detailed in Table 4A of this operating permit.

## 2. EMISSION UNIT IDENTIFICATION

The following emission units (Table 1) are subject to and regulated by this operating permit:

<b>Table 1</b>			
<b>EU</b>	<b>Description of EU</b>	<b>EU Design Capacity</b>	<b>Pollution Control Device (PCD)</b>
<b>3-P2</b>	<b>P2 Boiler 3</b> (Fire Tube) JOHNSTON Model No.: 535-AHG Date of installation: 1980 Burner: JOHNSTON Burner Model: Package Burner	Heat input: 33.222 MMBtu/hr Fuel: Natural Gas	PCD-None Stack No.: 35
<b>4-P2</b>	<b>P2 Boiler 4</b> (Fire Tube) JOHNSTON Model No.: 535-AHG Date of installation: 1982 Burner: JOHNSTON Burner Model: Package Burner	Heat input: 33.222 MMBtu/hr Fuel: Natural Gas	PCD-None Stack No.: 35
<b>5-DTP</b>	<b>DTP Boiler 6</b> (Fire Tube) CLEAVER BROOKS Model No.: CB-600-200 Date of installation: 1998 Burner: CLEAVER BROOKS Burner Model: Package Burner	Heat input: 25.1 MMBtu/hr Fuel: Natural Gas	PCD-None Stack No.: 29
<b>7-DF</b>	<b>DF Boiler 2</b> (Fire Tube) JOHNSTON Model No.: 535-750 Date of installation: 1968 Burner: JOHNSTON Burner Model: Unknown	Heat input: 32.3 MMBtu/hr Primary Fuel: Natural Gas Secondary Fuel: No.6 fuel oil	PCD-None Stack No.: 000
<b>8-DF</b>	<b>DF Boiler 3</b> (Fire Tube) JOHNSTON Model No.: 530-500 Date of installation: 1968 Burner: JOHNSTON Burner Model: Unknown	Heat input: 21.6 MMBtu/hr Primary Fuel: Natural Gas Secondary Fuel: No. 6 fuel oil	PCD-None Stack No.: 000
<b>9-DF</b>	<b>DF Boiler 4</b> (Fire Tube) JOHNSTON Model No.: 530-600 Date of installation: 1968 Burner: JOHNSTON Burner Model: Unknown	Heat input: 25.9 MMBtu/hr Primary Fuel: Natural Gas Secondary Fuel: No. 6 fuel oil	PCD-None Stack No.: 000

**Table 1 (continued)**

EU	Description of EU	EU Design Capacity	Pollution Control Device (PCD)
<b>12-DTP</b>	<b>DTP Boiler 4</b> (Fire Tube) JOHNSTON Model No.: PFTA200-4 Date of installation: 1993 Burner: JOHNSTON Burner Model: Unknown	Heat input: 6.695 MMBtu/hr Primary Fuel: Natural Gas Secondary Fuel: No. 6 fuel oil	PCD-None Stack No.: 27
<b>14-DTP</b>	<b>DTP Boiler 1</b> (Fire Tube) CLEAVER BROOKS Model No.: CB428-250 Date of installation: 1966 Burner: CLEAVER BROOKS Burner Model: Unknown	Heat input: 10.5 MMBtu/hr Primary Fuel: Natural Gas Secondary Fuel: No. 6 fuel oil	PCD-None Stack No.: 27
<b>15-DTP</b>	<b>DTP Boiler 2</b> (Fire Tube) CLEAVER BROOKS Model No.: CB428-300 Date of installation: 1968 Burner: CLEAVER BROOKS Burner Model: Unknown	Heat input: 12.6 MMBtu/hr Primary Fuel: Natural Gas Secondary Fuel: No. 6 fuel oil	PCD-None Stack No.: 27
<b>16-DTP</b>	<b>DTP Boiler 3</b> (Fire Tube) JOHNSTON Model No.: PFTA250-4 Date of installation: 1995 Burner: JOHNSTON Burner Model: Unknown	Heat input: 9.8 MMBtu/hr Primary Fuel: Natural Gas Secondary Fuel: No. 6 fuel oil	PCD-None Stack No.: 27
<b>17-DF</b>	<b>Tenter oven 3 &amp; 6 smoke abater</b> Make: VMB System Date of installation: 2003	Heat input: 5.0 MMBtu/hr Fuel: Natural Gas	PCD-None Stack No.: 10A
<b>19-DF</b>	<b>Tenter oven 4 smoke abater</b> Make: VMB System Model No.: 7.5 Date of installation: 1996	Heat input: 5.0 MMBtu/hr Fuel: Natural Gas	PCD-None Stack No.: 15
<b>30-FAC (Facility-wide)</b>	<b>Parts Washer(s)</b>	Complies with 310 CMR 7.18(8)(a)	PCD-None Stack No.: g.v.
<b>31-DF</b>	<b>Tenter Oven 1</b> Make: Van Date of installation: 1950	Heat input: 3.0 MMBtu/hr Fuel: Natural Gas Process: 1,200 lbs/hr (finished fabric)	PCD-None Stack No.: 5 & 6

<b>Table 1 (continued)</b>			
<b>EU</b>	<b>Description of EU</b>	<b>EU Design Capacity</b>	<b>Pollution Control Device (PCD)</b>
<b>33-DF</b>	<b>Tenter Oven 3</b> Make: Marshall + Williams Date of installation: 1950	Heat input: 4.0 MMBtu/hr Fuel: Natural Gas Process: 1,200 lbs/hr (finished fabric)	PCD - Smoke Abater VMB Systems Stack No.: 10A

<b>Table 1 (continued)</b>			
<b>EU</b>	<b>Description of EU</b>	<b>EU Design Capacity</b>	<b>Pollution Control Device (PCD)</b>
<b>34-DF</b>	<b>Tenter Oven 4</b> Make: Van Model No.: 5509 Date of installation: 1969	Heat input: 7.4 MMBtu/hr Fuel: Natural Gas Process: 1,200 lbs/hr (finished fabric)	PCD - Smoke Abater VMB System model No. 7.5 Stack No.: 15
<b>36-DF</b>	<b>Tenter Oven 6</b> Make: Krantz Date of installation: 1971	Heat input: 7.0 MMBtu/hr Fuel: Natural Gas Process: 1,200 lbs/hr (finished fabric)	PCD - Smoke Abater VMB Systems Stack No.: 10A
<b>38-DF</b>	<b>Coater 1, Coater 2 &amp; Coater 3</b> Make: Wolverine Date of installation: 1988	Process: 1-2 head coating line (Coater 1 and/or Coater 2) 3-head coating line (Coater 3)	PCD – Recuperative Thermal Oxidizer Jetzone No. 8439 by Wolverine Capacity: 10,980 scfm Heat input: 7.0 MMBtu/hr Fuel: Natural Gas Stack No.: 18
<b>39-DF</b>	<b>Dye House Operations</b> 3 jet dye machines 4 Burlington dye machines 1 Pressure Burl dye machine 1 Sample dye machine 1 Sample Jet dye machine Make: Various	Process: Unknown	PCD-None Stack No.: g.v.
<b>40-DF</b>	<b>Aqueous Coater No. 4 Coating head 1&amp;2</b> Make: Industrial Air Date of installation: pre-1970	Heat input: 7.0 MMBtu/hr Fuel: Natural Gas Process: 2 coating heads	PCD-None Stack No.: 17
<b>41-DF</b>	<b>Aqueous Coater No. 4 Coating head 3 (CR-3)</b> Make: Wolverine Date of installation: 2004	Heat input: 3.0 MMBtu/hr Fuel: Natural Gas Process: 1 coating head	PCD-None Stack No.: 44

<b>Table 1 (continued)</b>			
EU	Description of EU	EU Design Capacity	Pollution Control Device (PCD)
<b>43-DTP</b>	<b>Print Machine No. 1</b> Make: Stork Date of installation: 1974	Heat input: 3.6 MMBtu/hr Fuel: Natural Gas Process: 2,500 yph (printed fabric)	PCD - ESP No.1 Beltran BTP 10x10 Pollutants Controlled.: PM & Visible Emissions Stack No.: 33
<b>44-DTP</b>	<b>Print Machine No. 2</b> Make: Stork Date of installation: 1980	Heat input: 3.6 MMBtu/hr Fuel: Natural Gas Process: 2,500 yph (printed fabric)	PCD - ESP No.1 Beltran BTP 10x10 Pollutants Controlled.: PM & Visible Emissions Stack No.: 33

<b>Table 1 (continued)</b>			
EU	Description of EU	EU Design Capacity	Pollution Control Device (PCD)
<b>45-DTP</b>	<b>Print Machine No. 3</b> Make: Stork Date of installation: 1993	Heat input: 3.6 MMBtu/hr Fuel: Natural Gas Process: 2,500 yph (printed fabric)	PCD - ESP No.1 Beltran BTP 10x10 Pollutants Controlled.: PM & Visible Emissions Stack No.: 33
<b>46-DTP</b>	<b>Print Machine No. 4</b> Make: Stork Date of installation: 1985	Heat input: 4.8 MMBtu/hr Fuel: Natural Gas Process: 2,500 yph (printed fabric)	PCD – ESP No.2 Beltran BTP 10x14 Pollutants Controlled.: PM & Visible Emissions Stack No.: 34
<b>47-DTP</b>	<b>DTP fabric preparation Wash Ranges &amp; Saturators</b>	Fuel: N/A Process: 2,500 yph (prepped fabric)	PCD – None Stack No.: g.v.
<b>48-DTP</b>	<b>Tenter No. 1</b> Make: Kenyon Date of installation: pre-1971	Heat input: 6.4 MMBtu/hr Fuel: Natural Gas Process: 6,000 yph (finished fabric)	PCD – ESP No.2 Beltran BTP 10x14 Pollutants Controlled.: PM & Visible Emissions Stack No.: 34
<b>49-DTP</b>	<b>Tenter No. 2</b> Make: Goodrich Date of installation: 1985	Heat input: 8.0 MMBtu/hr Fuel: Natural Gas Process: 6,000 yph (finished fabric)	PCD – ESP No.2 Beltran BTP 10x14 Pollutants Controlled.: PM & Visible Emissions Stack No.: 34

**Table 1 (continued)**

EU	Description of EU	EU Design Capacity	Pollution Control Device (PCD)
<b>50-DTP</b>	<b>Tenter No. 3</b> Make: Kenyon Date of installation: 1994	Heat input: 6.4 MMBtu/hr Fuel: Natural Gas Process: 6,000 yph (finished fabric)	PCD – ESP No.2 Beltran BTP 10x14 Pollutants Controlled.: PM & Visible Emissions Stack No.: 34
<b>52-DF</b>	<b>Mix Room</b>	Process: Unknown	PCD - None Stack No.: g.v.
<b>53-FAC</b> (Facility wide)	<b>Storage of Fabric Coatings, Inks, Dyes &amp; Finishing Chemicals</b>	Process: Unknown	PCD - None Stack No.: g.v.
<b>EG</b> (Emergency Generator)	<b>Kohler Model 50 REZGB</b> Make: General Motors Model No.: Industrial Powertrain Vortec 5.0 Date of installation: 2012	Heat input: 0.744 MMBtu/hr Fuel: Natural Gas	PCD – Mine-X Model DC44-2.5 Catalytic Silencer Stack No.: EG

**Table 1 Key:**

- |  |  |
|--|--|
| CMR = Code of Massachusetts Regulation | MMBtu/hr = Million British Thermal Unit Per Hour |
| DF = Duro Finishing Plant              | PCD = Pollution Control Device                   |
| DTP = Duro Textile Printing Plant      | PM = Total Particulate Matter                    |
| P2 = Duro Plant 2                      | EU = Emission Unit                               |
| ESP = Electrostatic Precipitator       | yph = yards of fabric per hour                   |
| FAC = Facility-wide                    | scfm = standard cubic feet per minute            |
| g.v. = general ventilation             | No. = number                                     |
| & = and                                | lbs/hr = pounds per hour                         |
| EG = Emergency Generator               |  |

**3. IDENTIFICATION OF EXEMPT ACTIVITIES**

The followings are considered exempt activities in accordance with the criteria contained in 310 CMR 7.00: Appendix C(5)(h):

<b>Table 2</b>	
Description of Current Exempt Activities	Reason

<p>The list of current exempt activities is contained in the Operating Permit application and shall be updated by the Permittee to reflect changes at the facility over the permit term. An up-to-date copy of the exempt activities list shall be kept on-site at the facility and a copy shall be submitted to the MassDEP's Southeast Regional Office. Emissions from these activities shall be reported on the annual emissions statement pursuant to 310 CMR 7.12.</p>	<p>310 CMR 7.00:Appendix C(5)(h)</p>
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**Table 2 Key:**

MassDEP = Massachusetts Department of Environmental Protection  
CMR = Code of Massachusetts Regulation

## 4. APPLICABLE REQUIREMENTS

### A. OPERATIONAL AND/OR PRODUCTION EMISSION LIMITS AND RESTRICTIONS

The Permittee is subject to the emission limits/restrictions as contained in Table 3 below:

<b>Table 3</b>					
<b>EU</b>	<b>Fuel/ Raw Material</b>	<b>Pollutant</b>	<b>Operational and/or Production Limits</b>	<b>Emissions Limits/ Standards</b>	<b>Applicable regulation and /or Approval No</b>
<b>3-P2</b> (Boiler)	Natural Gas	PM	N/A	0.10 lbs/MMBtu	<b>310 CMR 7.02(8)(h)</b> <b>SM-82-005-CO</b>
		NO <sub>x</sub>	Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Table 8, No. 1.</i>		<b>310 CMR 7.19(6)</b>
		All	Fuel use restricted to a maximum of 10% capacity factor i.e. ≤ 25,878 MMBtu in any calendar year	The limited-use Boiler must be tuned-up every 5 years as specified in §63.7540(a)(10)(i) through (vi)	<b>40 CFR 63.7575</b> <b>40 CFR 63.7500(c)</b>
<b>4-P2</b> (Boiler)	Natural Gas	PM	N/A	0.10 lbs/MMBtu	<b>310 CMR 7.02(8)(h)</b> <b>SM-82-005-CO</b>
		NO <sub>x</sub>	Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Table 8 No. 1.</i>		<b>310 CMR 7.19(6)</b>
		All	Fuel use restricted to a maximum of 10% capacity factor i.e. ≤ 25,878 MMBtu in any calendar year	The limited-use Boiler must be tuned-up every 5 years as specified in §63.7540(a)(10)(i) through (vi)	<b>40 CFR 63.7500(c)</b> <b>40 CFR 63.7540(a)(12)</b> <b>40 CFR 63.7575</b>
<b>5-DTP</b> (Boiler)	Natural Gas	PM	N/A	0.01 lbs/MMBtu 1.10 tpy <sup>(2)(4)</sup>	<b>4B98006</b>
		NO <sub>x</sub>		0.12 lbs/MMBtu 13.19 tpy <sup>(2)(4)</sup>	
			Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Table 8 No. 1.</i>		<b>310 CMR 7.19(6)</b>

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
5-DTP (Boiler)	Natural Gas	CO	N/A	0.15 lbs/MMBtu 16.49 tpy <sup>(2)(4)</sup>	4B98006
		VOC		0.016 lbs/MMBtu 1.76 tpy <sup>(2)(4)</sup>	
		SO <sub>2</sub>		0.001 lbs/MMBtu 0.11 tpy <sup>(2)(4)</sup>	
		Visible Emissions		No visible emissions (0% opacity)	
		PM	N/A	40 CFR 60 Subpart Dc	
		SO <sub>2</sub>			
		All	Conduct annual tune-up of boiler as specified in §63.7540(a)(10)(i) through (vi)	40 CFR 63.7500(a) and Table 3 to Subpart DDDDD	
	Conduct a one-time energy assessment performed by a qualified energy assessor in accordance with Table 3 to Subpart DDDDD				
7-DF (Boiler)	No. 6 fuel oil or natural gas	The facility designated this Boiler as a “Unit designed to burn gas 1 subcategory” <sup>(18)</sup> as defined under 40 CFR 63.7575.			40 CFR 63.7575
		NO <sub>x</sub>	Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Table 8 No. 1.</i>		310 CMR 7.19(6)
	Natural gas	PM	Maximum annual usage shall not exceed 282.9 MMCF annually.	0.0076 lbs/MMBtu 0.09 tpm <sup>(7)</sup> 1.08 tpy <sup>(2)(20)</sup>	SE-13-041
CO		0.084 lb/MMBtu 0.99 tpm <sup>(7)</sup> 11.88 tpy <sup>(2)(20)</sup>			
NO <sub>x</sub>		0.1 lb/MMBtu 1.18 tpm <sup>(7)</sup> 14.15 tpy <sup>(2)(20)</sup>			

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
7-DF (Boiler)	Natural gas	SO <sub>2</sub>	Maximum annual usage shall not exceed 282.9 MMCF annually.	0.0006 lb/MMBtu 0.01 tpm <sup>(7)</sup> 0.08 tpy <sup>(2)(20)</sup>	SE-13-041
	No. 6 fuel oil	PM	N/A	0.10 lb/MMBtu 3.23 lbs/hr 14.1 tpy <sup>(2)(4)(21)</sup>	310 CMR 7.02(8)(h) 4B92043
		CO		1.08 lbs/hr 4.7 tpy <sup>(2)(4)(21)</sup>	4B92043
		NO <sub>x</sub>		1.08 lbs/hr 4.7 tpy <sup>(2)(4)(21)</sup>	
		SO <sub>2</sub>		1.10 lb/MMBtu 35.9 lbs/hr 157.2 tpy <sup>(2)(4)(21)</sup>	
				≤ 0.55 lb Sulfur in fuel/MMBtu (1% by wt.) ≤ 0.28 lb Sulfur in fuel/MMBtu (0.5% by wt.) on and after July 1, 2018	
8-DF (Boiler)	No. 6 fuel oil or natural gas	The facility designated this Boiler as a “Unit designed to burn gas 1 subcategory” <sup>(18)</sup> as defined under 40 CFR 63.7575.			40 CFR 63.7575
		NO <sub>x</sub>	Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Table 8 No. 1.</i>		310 CMR 7.19(6)
	Natural Gas	PM	Maximum annual usage shall not exceed 189.2 MMCF annually.	0.0076 lbs/MMBtu 0.06 tpm <sup>(7)</sup> 0.72 tpy <sup>(2)(20)</sup>	SE-13-041
		CO		0.0084 lbs/MMBtu 0.66 tpm <sup>(7)</sup> 7.95 tpy <sup>(2)(20)</sup>	
NO <sub>x</sub>	0.1 lbs/MMBtu 0.79 tpm <sup>(7)</sup> 9.46 tpy <sup>(2)(20)</sup>				

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>8-DF</b> (Boiler)	Natural Gas	SO <sub>2</sub>	Maximum annual usage shall not exceed 189.2 MMCF annually.	0.0006 lbs/MMBtu 0.01 tpm <sup>(7)</sup> 0.06 tpy <sup>(2)(20)</sup>	<b>SE-13-041</b>
	No. 6 fuel oil	PM	N/A	0.10 lbs/MMBtu 2.16 lbs/hr 9.5 tpy <sup>(2)(4)(21)</sup>	<b>310 CMR 7.02(8)(h)</b> <b>4B92043</b>
		CO		0.72 lbs/hr 3.2 tpy <sup>(2)(4)(21)</sup>	<b>4B92043</b>
		NO <sub>x</sub>		9.65 lbs/hr 42.3 tpy <sup>(2)(4)(21)</sup>	
		SO <sub>2</sub>		1.10 lbs/MMBtu 24.0 lbs/hr 105.1 tpy <sup>(2)(4)(21)</sup>	
			≤ 0.55 lb Sulfur in fuel/MMBtu (1% by wt.) ≤ 0.28 lb Sulfur in fuel/MMBtu (0.5% by wt.) on and after July 1, 2018	<b>310 CMR 7.05(1)</b>	
<b>9-DF</b>	No. 6 fuel oil or natural gas	The facility designated this Boiler as a “ <i>Unit designed to burn gas 1 subcategory</i> ” <sup>(18)</sup> as defined under 40 CFR 63.7575.			<b>40 CFR 63.7575</b>
		NO <sub>x</sub>	Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Table 8 No. 1.</i>		<b>310 CMR 7.19(6)</b>
	Natural gas	PM	Maximum annual usage shall not exceed 226.9 MMCF annually	0.0076 lbs/MMBtu 0.07 tpm <sup>(7)</sup> 0.86 tpy <sup>(2)(20)</sup>	<b>SE-13-041</b>
	CO	0.0084 lbs/MMBtu 0.79 tpm <sup>(7)</sup> 9.53 tpy <sup>(2)(20)</sup>			
	NO <sub>x</sub>	0.1 lbs/MMBtu 0.95 tpm <sup>(7)</sup> 11.34 tpy <sup>(2)(20)</sup>			

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>9-DF</b>	Natural gas	SO <sub>2</sub>	Maximum annual usage shall not exceed 226.9 MMCF annually	0.0006 lbs/MMBtu 0.01 tpm <sup>(7)</sup> 0.07 tpy <sup>(2)(20)</sup>	<b>SE-13-041</b>
	No 6 fuel oil	PM	N/A	0.10 lbs/MMBtu 2.59 lbs/hr 11.3 tpy <sup>(2)(4)(21)</sup>	<b>310 CMR 7.02(8)(h)</b> <b>4B93089</b>
		CO		0.86 lbs/hr 3.8 tpy <sup>(2)(4)(21)</sup>	<b>4B92043</b>
		NO <sub>x</sub>		11.57 lbs/hr 50.7 tpy <sup>(2)(4)(21)</sup>	
		SO <sub>2</sub>		1.10 lbs/MMBtu 28.8 lbs/hr 126.1 tpy <sup>(2)(4)(21)</sup>	
		SO <sub>2</sub>		≤ 0.55 lb Sulfur in fuel/MMBtu (1% by wt.) ≤ 0.28 lb Sulfur in fuel/MMBtu (0.5% by wt.) on and after July 1, 2018	<b>310 CMR 7.05(1)</b>
<b>7-DF</b> <b>8-DF</b> <b>9-DF</b> <small>(Boilers)</small>	All Fuels	All	Fuel use restricted shall <b>not</b> > 793,656 MMBtu/ year <sup>(3)</sup> which represents 100% of the maximum heat input rating for all Duro Finishing boilers.	<b>4B92043</b>	
<b>12-DTP</b> <small>(Boiler)</small>	Natural gas	NO <sub>x</sub>	Maximum annual usage shall not exceed 58.6 MMCF annually.	0.1 lbs/MMBtu 0.24 tpm <sup>(7)</sup> 2.93 tpy <sup>(2)(20)</sup>	<b>SE-13-041</b>
	No. 6 fuel oil		N/A	55 lbs/1000 gal oil 10.84 tpy <sup>(2)(4)(21)</sup>	<b>4B93089</b>

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>12-DTP</b> (Boiler)	No. 6 fuel oil	SO <sub>2</sub>	≤ 0.55 lb Sulfur in fuel/MMBtu (1% by wt.) ≤ 0.28 lb Sulfur in fuel/MMBtu (0.5% by wt.) on and after July 1, 2018		<b>310 CMR 7.05(1)</b>
	No. 6 fuel oil or Natural Gas	The facility designated this Boiler as a “ <i>Unit designed to burn gas 1 subcategory</i> ” <sup>(18)</sup> as defined under 40 CFR 63.7575.			<b>40 CFR 63.7575</b>
		PM	N/A	0.10 lbs/MMBtu	<b>310 CMR 7.02(8)(h)</b> <b>4B93089</b>
		Visible Emissions	N/A	No visible emissions (0% opacity)	<b>4B93089</b>
<b>14-DTP</b> <b>15-DTP</b> (Boilers)	No. 6 fuel oil	SO <sub>2</sub>	≤ 0.55 lb Sulfur in fuel/MMBtu (1% by wt.) ≤ 0.28 lb Sulfur in fuel/MMBtu (0.5% by wt.) on and after July 1, 2018		<b>310 CMR 7.05(1)</b>
	No. 6 fuel oil or Natural Gas	PM	N/A	0.12 lbs/MMBtu	<b>310 CMR 7.02(8)(d)</b>
		The facility designated this Boiler as a “ <i>Unit designed to burn gas 1 subcategory</i> ” <sup>(18)</sup> as defined under 40 CFR 63.7575.			<b>40 CFR 63.7575</b>
<b>16-DTP</b> (Boiler)	No. 6 fuel oil or Natural Gas	Visible Emissions	N/A	No Visible Emissions (0% opacity)	<b>4B94184</b>
		The facility designated this Boiler as a “ <i>Unit designed to burn gas 1 subcategory</i> ” <sup>(18)</sup> as defined under 40 CFR 63.7575.			<b>40 CFR 63.7575</b>
	Natural Gas	PM	Maximum allowable <b>hourly</b> usage rate shall not exceed 9,800 ft <sup>3</sup> /hour of natural gas.	7.5 lbs/MMcf NG 0.03 tpm <sup>(7)</sup> 0.32 tpy <sup>(2)(4)</sup>	<b>4B94184</b> <b>SE-13-041</b>
VOC		Maximum allowable <b>annual</b> usage rate shall not exceed 85.8 MMCF of natural gas.	2.784 lbs/MMcf NG 0.01 tpm <sup>(7)</sup> 0.1 tpy <sup>(2)(4)</sup>	<b>4B94184</b>	

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
16-DTP (Boiler)	Natural Gas	NO <sub>x</sub>	Maximum allowable <b>hourly</b> usage rate shall not exceed 9,800 ft <sup>3</sup> /hour of natural gas.	100 lbs/MMcf NG 0.36 tpm <sup>(7)</sup> 4.29 tpy <sup>(2)(4)</sup>	4B94184 SE-13-041
		SO <sub>2</sub>		0.6 lbs/MMcf NG 0.002 tpm <sup>(7)</sup> 0.03 tpy <sup>(2)(4)</sup>	
		CO	Maximum allowable <b>annual</b> usage rate shall not exceed 85.8 MMCF of natural gas.	21 lbs/MMcf NG 0.08 tpm <sup>(7)</sup> 0.9 tpy <sup>(2)</sup>	
	No. 6 fuel oil	PM	N/A	12.41 lbs/1000 gal oil 0.29 tpm <sup>(8)(21)</sup> 1.87 tpy <sup>(2)(4)(21)</sup>	4B94184
		VOC		1.13 lbs/1000 gal oil 0.03 tpm <sup>(8)(21)</sup> 0.22 tpy <sup>(2)(4)(21)</sup>	
		NO <sub>x</sub>	N/A	55 lbs/1000 gal oil 1.30 tpm <sup>(8)(21)</sup> 9.99 tpy <sup>(2)(4)(21)</sup>	4B94184
		SO <sub>2</sub>	≤ 0.55 lb Sulfur in fuel/MMBtu (1% by wt.) ≤ 0.28 lb Sulfur in fuel/MMBtu (0.5% by wt.) on and after July 1, 2018		310 CMR 7.05(1)
		CO	N/A	157 lbs/1000 gal oil 3.72 tpm <sup>(8)(21)</sup> 23.09 tpy <sup>(2)(4)(21)</sup>  5 lbs/1000 gal oil 0.12 tpm <sup>(8)(21)</sup> 1.16 tpy <sup>(2)(4)(21)</sup>	4B94184

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>16-DTP</b> (Boiler)	No. 6 fuel oil	All	Fuel usage shall be $\leq$ 47,350 gal/30 day rolling period; $\leq$ 285,410 gal/year <sup>(3)</sup>		<b>4B94184</b>
			Maximum allowable hourly usage rate shall not exceed 64.87 gal/hour of No. 6 fuel oil		
<b>5-DTP</b> <b>7-DF</b> <b>8-DF</b> <b>9-DF</b> <b>12-DTP</b> <b>14-DTP</b> <b>15-DTP</b>	Natural Gas	All	Boilers must comply with the work practice requirements according to 40 CFR 63 Subpart DDDDD, Table 3.  <i>See Table 4 No.4 &amp; No.9</i> (For tune up and energy assessment respectively)		<b>40 CFR 63.7500(a)(1)</b> and <b>Table 3 to Subpart DDDDD</b>
<b>12-DTP</b> <b>16-DTP</b>	Natural Gas	All	Boilers must comply with the work practice requirements according to 40 CFR 63 Subpart DDDDD, Table 3.  <i>See Table 4 No.8 &amp; No.9</i> (For tune up and energy assessment respectively)		<b>40 CFR 63.7500(a)(1)</b> and <b>Table 3 to Subpart DDDDD</b>
<b>17-DF</b> (Smoke abater)	Natural Gas	NO <sub>x</sub>	Operation limited to Natural Gas usage of 3.72MMcf/month and 22.0MMcf/year <sup>(3)</sup>	0.186 tpm 1.10 tpy <sup>(2)</sup>	<b>4P01011</b>
		CO		0.156 tpm 0.920 tpy <sup>(2)</sup>	
		PM		0.014 tpm 0.083 tpy <sup>(2)</sup>	
		VOC		0.010 tpm 0.061 tpy <sup>(2)</sup>	
		SO <sub>2</sub>		0.001 tpm 0.007 tpy <sup>(2)</sup>	
		Visible emissions	No Visible Emissions (0% opacity) exclusive of uncombined H <sub>2</sub> O		

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>19-DF</b> (Smoke abater)	Natural Gas	NO <sub>x</sub>	N/A	0.03 tpm 0.37 tpy <sup>(2)(4)</sup>	<b>4B96102</b>
		CO		0.05 tpm 0.59 tpy <sup>(2)(4)</sup>	
		PM		0.02 tpm 0.26 tpy <sup>(2)(4)</sup>	
		VOC		0.01 tpm 0.12 tpy <sup>(2)(4)</sup>	
		SO <sub>2</sub>		0.001 tpm 0.01 tpy <sup>(2)(4)</sup>	
		Visible emissions		No Visible Emissions (0% opacity) exclusive of uncombined H <sub>2</sub> O	
<b>30-FAC</b> (Parts washers)	Non-Halogenated Solvent	VOC	< 100 gallons per month each unit	Design features and operating procedures identified in 310 CMR 7.18(8)(a) and (d) <b>See Table 8 No. 7.</b>	<b>310 CMR 7.03(8)</b> <b>310 CMR 7.18(8)</b>
<b>31-DF</b> <b>33-DF</b> <b>34-DF</b> <b>36-DF</b> (Tenter Frame) <b>40-DF</b> (Coater 4, head 1&2)	Natural Gas	PM	N/A	0.12 lb/MMBtu	<b>310 CMR 7.02(8)(d)</b>
	All	Visible emissions	No Visible Emissions (0% opacity) exclusive of uncombined H <sub>2</sub> O		<b>4P07024</b>
<b>31-DF, 33-DF</b> <b>34-DF, 36-DF</b> (Tenter Frame) <b>39-DF</b> (Dyehouse) <b>40-DF</b> (Coater 4, head 1&2)	Textile finishing mixtures	VOC	N/A	0.5 lbs VOC per lbs solids, as applied	<b>310 CMR 7.18(26)</b> <b>310 CMR 7.18(20)</b> <b>4P93103</b>
	All VOC/HAP containing material	VOC/HAP	Usage of VOC restricted to ≤ 4.0 tpm ≤ 12.0 tpy	≤ 4.0 tpm <sup>(7)</sup> ≤ 12.0 tpy <sup>(2)</sup>	<b>4P07024</b>

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>38-DF</b> (Coaters 1, 2 &3)	Coating formulations <sup>(10)</sup>	VOC/HAP <sup>(19)</sup>	Minimum exhaust capture efficiency 99%	6.0 tons/month <sup>(7)</sup> 23.7 tpy <sup>(2)</sup>	<b>4P07024</b>
	Coating formulations > 0.12 lbs VOC/HAP per lbs solids, as applied <sup>(10)</sup>		Static Pressure at the inlet to the centrifugal induced draft fan ≤ 2.25 inches H <sub>2</sub> O, gauge (3-hour rolling average)	≤ 0.12 lbs VOC/HAP per lbs solids, as applied	
<b>38-DF</b> (Coaters 1, 2 &3)	Natural Gas, Fabric, Coating formulations	Visible emissions	No Visible Emissions (0% opacity) exclusive of uncombined H <sub>2</sub> O		<b>4P07024</b>
<b>38-DF</b> (Coaters 1, 2 &3)  <b>52-DF</b> (Mix Room)	Methyl Ethyl Ketone (MEK)/VOC containing Cleaning Materials	VOC	Usage of VOC <sup>(12)</sup> restricted to ≤ 0.7 tpm ≤ 3.0 tpy	0.7 tpm <sup>(7)</sup> 3.0 tpy <sup>(2)</sup>	

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>41-DF</b> (Coater 4, head 3)	Natural Gas	VOC (combustion)	N/A	0.05 tpy <sup>(2)(15)</sup>	<b>4P95001</b>
		NO <sub>x</sub>		3.1 tpy <sup>(2)(15)</sup>	
		SO <sub>2</sub>		0.2 tpy <sup>(2)(15)</sup>	
		CO		0.6 tpy <sup>(2)(15)</sup>	
		PM		0.37 tpy <sup>(2)(15)</sup>	
	Coating formulations	VOC (process)	1.32 MM gallons of coating per year <sup>(3)</sup> Restricted to coating formulations identified in 'Table A' of Plan Approval 4P95001 and revisions.	2.0 lbs VOC/ gal solids applied	<b>4P95001</b> <b>4P07024</b>
	Natural Gas, Coating formulations, Fabric	VOC	20MM yards of fabric per year <sup>(3)</sup>	0.25 tpm; 3.0 tpy <sup>(2)</sup> (each coating head)	<b>4P95001</b>
Visible emissions		No Visible Emissions (0% opacity) exclusive of uncombined H <sub>2</sub> O			
<b>43-DTP</b> <b>44-DTP</b> <b>45-DTP</b> (Print Lines)	All	PM	Operation of each unit limited to 720 hrs/month and 7,100 hrs/year <sup>(3)</sup>	≤ 0.83 tpm <sup>(9)</sup> ≤ 8.1 tpy <sup>(2)(9)</sup>	<b>4P11013</b>
		Visible emissions	No Visible Emissions (0% opacity) exclusive of uncombined H <sub>2</sub> O		
<b>43-DTP</b> <b>44-DTP</b> <b>46-DTP</b> (Print Lines)	All	VOC	VOC emissions from printing operations ≤ 39 tpy		<b>310 CMR 7.18(17)</b> <b>SM85-168-IF</b>

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>43-DTP</b> <b>44-DTP</b> <b>45-DTP</b> <b>46-DTP</b> (Print Lines)	Print Pastes (inks)	VOC	N/A	0.5 lbs VOC/lbs solids, as applied	<b>310 CMR 7.18(17)</b> <b>SM85-168-IF</b> <b>4P92088</b> <b>4P98024</b>
	Fabric Printing Paste	NH <sub>3</sub>	N/A	0.025 lbs per gallon 2.2 tpm 13.5 tpy <sup>(2)</sup>	
<b>45-DTP</b> (Print Line)	Fabric Printing materials	VOC	N/A	312 lbs per day <sup>(5)</sup> 4.8 tpm 15.0 tpy <sup>(2)</sup>	<b>4P98024</b>
<b>46-DTP</b> (Print Line) <b>48-DTP</b> <b>49-DTP</b> <b>50-DTP</b> (Tenter Frames)	All	PM	Operation of each unit limited to 720 hrs/month and 7,100 hrs/year <sup>(3)</sup>	$\leq 1.01$ tpm <sup>(9)</sup> $\leq 9.9$ tpy <sup>(2)(9)</sup>	
		Visible emissions	No Visible Emissions (0% opacity) exclusive of uncombined H <sub>2</sub> O		
<b>48-DTP</b> <b>49-DTP</b> (Tenter Frames)	Textile finishing mixtures	VOC	N/A	0.5 lbs VOC/ lbs solids, as applied	<b>4P92088</b>
<b>43-DTP</b> <b>44-DTP</b> <b>45-DTP</b> <b>46-DTP</b> (Print Lines) <b>48-DTP</b> <b>49-DTP</b> (Tenter Frames)	Cold Cleaning, Print Pastes (Inks)	VOC	N/A	312 lbs/day <sup>(5)</sup> 39 tpy <sup>(2)</sup>	<b>SM85-168-IF</b> <b>4P92088</b> <b>4P98024</b>
	Paste Diluent/ Dispersant				
	Textile finishing mixtures				

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>47-DTP</b> (Fabric Prep)	Fabric preparation and neutralization materials	VOC (acetic acid)	N/A	5.0 lbs/day <sup>(5)</sup> 0.85 tpy <sup>(2)</sup>	<b>4P98024</b>
				Wastewater discharge pH value ≥ 6.0	
<b>50-DTP</b> (Tenter Frame)	Natural Gas	NO <sub>x</sub>	N/A	100 lbs/ MMCF 3.15 tpy <sup>(2)(4)</sup>	<b>4P94097</b>
		VOC (combustion)		5.8 lbs/ MMCF	
	Textile finishing mixtures	0.5 lbs VOC/ lbs solids, as applied			
	All textile processes, including fabric finishing, fabric preparation and combustion	20 MM yards of fabric per year <sup>(3)</sup>		2.0 tpm 5.0 tpy <sup>(2)</sup>	
<b>52-DF</b> (Mix Room)	Coating additives	VOC/HAP	Coating additive throughput restriction of 4 tons per month and 20 tons per 12 month period	0.4 tpm <sup>(7)(11)</sup> 2.0 tpy <sup>(2)(11)</sup>	<b>4P07024</b>
	All VOC containing material	VOC	Mixing tank covered with a lid or other methods approved by the MassDEP, except to add ingredients, take samples, or perform maintenance. A lid used to comply with 310 CMR 7.18(27)(b)1. shall: a. extend at least 0.5 in. beyond the outer rim of the tank or be attached to the rim of the tank; and, b. be maintained so that when in place, the lid maintains contact with the rim of the coating mixing tank for at least 90% of the rim's circumference; and, c. if necessary, have an opening to allow for insertion of a mixer shaft, which opening shall be covered after insertion of the mixer, except to allow adequate clearance for the mixer shaft.	<b>310 CMR 7.18(27)(a)</b>  <b>310 CMR 7.18(27)(b)</b>  <b>4P07024</b>	

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
<b>52-DF</b> (Mix Room)  <b>53-FAC</b> (Chemical Storage)	Coating, printing, thinning and cleaning materials	HAP	Develop and implement a work practices plan to minimize organic HAP emissions from the storage, mixing, and conveying of regulated materials used in, and waste materials generated by the solvent coating operations.		<b>40 CFR 63.4293 (b)(1) through (5)</b> (Note 6)  <b>4P07024</b>
<b>53-FAC</b> (Chemical Storage)	All VOC containing material	VOC	Store and dispose of volatile organic compounds in a manner which will minimize evaporation to the atmosphere. Proper storage shall be in a container with a tight fitting cover. Proper disposal shall include incineration in an incinerator approved by the MassDEP, transfer to another person licensed by the MassDEP to handle VOC, or any other equivalent method approved by the MassDEP.		<b>310 CMR 7.18(1)(c)</b>
<b>38-DF</b> <b>40-DF</b> <b>41-DF</b> <b>43-DTP</b> <b>44-DTP</b> <b>45-DTP</b> <b>46-DTP</b>	<u>Coating and Printing Operations:</u> Coating, printing, thinning and cleaning materials	HAP	N/A	<u>Coating and Printing Operations:</u> Limit organic HAP emissions to the atmosphere to no more than 0.12 kg of organic HAP per kg of solids applied <sup>(13)</sup>	<b>40 CFR 63 Subpart OOOO:</b> <b>40 CFR 63.4280 through 63.4371 and Tables 1 through 5</b> (Note 6)
<b>31-DF</b> <b>33-DF</b> <b>34-DF</b> <b>36-DF</b> <b>39-DF</b> <b>48-DTP</b> <b>49-DTP</b> <b>50-DTP</b>	<u>Dyeing and Finishing Operations:</u> Dyeing and finishing materials	HAP	N/A	<u>Dyeing and Finishing Operations:</u> Limit organic HAP emissions to the atmosphere to no more than 0.016 kg of organic HAP per kg of dyeing and finishing materials applied <sup>(14)</sup>	<b>40 CFR 63 Subpart OOOO:</b> <b>40 CFR 63.4280 through 63.4371 and Tables 1 through 5</b> (Note 6)
EG	Natural Gas	All	≤ 300 hours per year during emergency situations or normal maintenance and testing as recommended by the manufacturer.  Affected source must meet the requirements of this part by meeting the requirements of 40 CFR Part 60, Subpart JJJJ, for spark ignition engines.		<b>310 CMR 7.26(42)</b>  <b>40 CFR Part 63, Subpart ZZZZ</b> <b>§ 63.6590(c)</b>

**Table 3 (continued)**

EU	Fuel/ Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/ Standards	Applicable regulation and /or Approval No
EG	Natural gas	NO <sub>x</sub>	As noted below	10 g/HP-hr (NO <sub>x</sub> + HC) <b>OR</b> 13.4 g/kW-hr (NO <sub>x</sub> + HC)	<b>40 CFR Part 60, Subpart JJJJ § 60.4233(d) and Table 1</b>
		CO	As noted below	387 g/HP-hr <b>OR</b> 519 g/kW-hr	<b>40 CFR Part 60, Subpart JJJJ § 60.4233(d) and Table 1</b>
		All	N/A	Shall comply with applicable Emission limits set by US EPA for non-road engines (40 CFR 89). <i>See Table 8 No.9</i>	<b>310 CMR 7.26(42)(b)</b>
			Operate and maintain engine and control device according to manufacturer's emission-related written instructions. <i>See Table 4 No. 35</i>		<b>310 CMR 7.26(42)(d)(2)</b> <b>40 CFR Part 60, Subpart JJJJ § 60.4243(b) and (a)(1)</b>
			Limited to operation as noted at § 60.4243(d) for emergency stationary ICE. <i>See Table 4 No. 33 &amp; No. 34</i>		<b>40 CFR Part 60, Subpart JJJJ</b>
		Smoke	N/A	< No. 1 of Chart <sup>(1)</sup> , except ≥ No. 1 to < No. 2 of Chart for ≤ 6 minutes during any one hour, no time to equal or exceed No. 2 of the Chart	<b>310 CMR 7.26(42)(d)5</b> <b>310 CMR 7.06(1)(a)</b>
		Opacity		≤ 20 % except >20% to ≤ 40 % for ≤ 2 minutes during any 1 hour	<b>310 CMR 7.26(42)(d)5</b> <b>310 CMR 7.06(1)(b)</b>

<b>Table 3 (continued)</b>					
<b>EU</b>	<b>Fuel/ Raw Material</b>	<b>Pollutant</b>	<b>Operational and/or Production Limits</b>	<b>Emissions Limits/ Standards</b>	<b>Applicable regulation and /or Approval No</b>
<b>EG</b>	Natural gas	All	Limited to stack height and Emission dispersion requirements. See Table 4 No. 38	N/A	<b>310 CMR 7.26(42)(d)4</b>
<b>Facility-wide</b>	N/A	Smoke	N/A	< No. 1 of Chart <sup>(1)</sup> , except ≥ No. 1 to < No. 2 of Chart for ≤ 6 minutes during any one hour, no time to equal or exceed No. 2 of the Chart	<b>310 CMR 7.06(1)(a)</b>
		Opacity		≤ 20 % except >20% to ≤ 40 % for ≤ 2 minutes during any 1 hour	<b>310 CMR 7.06(1)(b)</b>
		Greenhouse gas <sup>(16)</sup>	N/A	<b>310 CMR 7.71 (State Only)</b>	

**Table 3 Key:**

- |                           |  |                  |                            |
|---------------------------|--|------------------|----------------------------|
| pH                        | = the symbol for the logarithm of the reciprocal of hydrogen ion concentration in grams atoms per liter, used to express acidity or alkalinity of a solution on a scale of 0 to 14 |                  |                            |
| CFR                       | = Code of Federal Regulations  |                  |                            |
| CMR                       | = Code of Massachusetts Regulations  |                  |                            |
| State                     | = Commonwealth of Massachusetts  |                  |                            |
| NESHAP                    | = National Emission Standards for Hazardous Air Pollutants   |                  |                            |
| MassDEP                   | = Massachusetts Department of Environmental Protection   |                  |                            |
| US EPA                    | = United States Environmental Protection Agency  |                  |                            |
| PM <sub>2.5</sub>         | = Particulate Matter less than or equal to 2.5 microns in diameter   |                  |                            |
| PM <sub>10</sub>          | = Particulate Matter less than or equal to 10 microns in diameter  |                  |                            |
| ppmvd @ 3% O <sub>2</sub> | = parts per million volume dry, corrected to 3 percent oxygen  |                  |                            |
| SI ICE                    | = Spark Ignition Internal Combustion Engine  |                  |                            |
| HAP(single)               | = maximum single Hazardous Air Pollutant   |                  |                            |
| HAP(total)                | = total Hazardous Air Pollutant  |                  |                            |
| MMCF                      | = Million Standard Cubic Foot  | NG               | = Natural Gas              |
| NO <sub>x</sub>           | = Nitrogen Oxides  | NH <sub>3</sub>  | = Ammonia                  |
| CH <sub>4</sub>           | = Methane  | N/A              | = Not Applicable           |
| EU                        | = Emission Unit  | N <sub>2</sub> O | = Nitrous Oxide            |
| gal                       | = gallons  | PFC              | = Perfluorocarbon          |
| g/HP-hr                   | = grams per horsepower hour  | PM               | = Total Particulate Matter |
| HC                        | = Hydrocarbons   | hrs              | = hours                    |
| H <sub>2</sub> O          | = Water  | SF <sub>6</sub>  | = Sulfur hexafluoride      |
| i.e.                      | = that is  | TPM              | = tons per month           |
| TPY                       | = tons per consecutive 12-month period   | Kg               | = kilograms                |

**Table 3 Key (continued):**

VOC	= Volatile Organic Compounds	lbs	= pounds
yph	= yards of fabric per hour	lbs/hr	= pounds per hours
lbs/day	= pounds per day	%	= percent
lbs/MMBtu	= pounds per Million British Thermal Units	lbs/MMCF	= pounds per Million Standard Cubic Feet
MEK	= Methyl Ethyl Ketone	≤	= less than or equal to
≥	= greater than or equal to	>	= greater than
<	= less than	SO <sub>2</sub>	= Sulfur Dioxide
g/kW-hr	= grams per kilo watt hour	MM	= million

**Table 3 Notes:**

1. Chart means the Ringelmann Scale for grading the density of smoke, as published by the United States Bureau of Mines and as referred to in the Bureau of Mines Information Circular No. 8333, or any smoke inspection guide approved by the MassDEP.
2. Tpy means tons per year based on a consecutive 12-month period.
3. Year is any consecutive 12-month period.
4. Reflects 8,760 hours of operation at maximum input rating using worst-case fuel based on approved emission limits, as applicable.
5. A day is as defined in plan approval SM-85-168-IF as the twenty-four hour period from midnight to midnight of the following day.
6. Dyeing, Finishing, Printing and Coating Operations are subject to 40 CFR 63 Subpart OOOO, National Emission Standards for Hazardous Air Pollutants: Printing, Coating and Dyeing of Fabrics and other Textiles, Final rule promulgated May 29, 2003. Compliance date for existing affected sources no later than May 29, 2006. The facility submitted a "Notification of Initial Compliance Status," in accordance with 40 CFR 63.4310(c), to USEPA-Region 1 on July 2, 2007.
7. Month is a maximum of 744 hours.
8. Tons per month (tpm) emissions are based on the maximum No. 6 fuel oil usage of 47,350 gallons in any 30-day rolling period.
9. **ESP No.1** particulate emission limitations based on emission factors of 0.010 grains per dry standard cubic foot and 2.3 pounds per hour. **ESP No. 2** particulate emission limitations based on emission factors of 0.010 grains per dry standard cubic foot and 2.8 pounds per hour.
10. All coating operations are vented through the thermal oxidizer. Coater Thermal Oxidizer is to be operating at all times while coating. Coating formulations that exceed 0.12 lbs VOC per lbs solids require the operation of the thermal oxidizer at a minimum temperature of 1400° F with minimum capture efficiency of 99% and minimum destruction efficiency of 98% resulting in a minimum overall control efficiency of 97%.
11. Mix room emissions are based on an uncontrolled emission factor of 200 pounds of VOC/HAP per ton of coating additives processed.
12. MEK/VOC consumption limits may include a reconciliation of waste solvent shipped off-site as contained in Table 8, Special Terms and Conditions, No. 8.
13. Compliance with the emission limits for the web coating and printing existing affected source (Emission Rate With Add-On Controls option) are based on the initial compliance period and each subsequent consecutive twelve (12) month period as described in §§ 63.4340 through 63.4342.
14. Compliance with the emission limits for the dyeing and finishing existing affected source (Emission Rate Without Add-On Controls option) are based on the initial compliance period and each subsequent consecutive twelve (12) month period as described in §§ 63.4331 through 63.4332. In accordance with §63.4331(b), water added in mixing at the affected source is not a regulated material and should not be included in the determination of the total mass of dyeing and finishing materials applied during the compliance period.

**Table 3 Notes (continued):**

15. In accordance with Plan Approval No. 4P95001, The Permittee shall calculate fuel burning emissions using the appropriate emission factors contained in AP-42.
16. Greenhouse Gas means any chemical or physical substance that is emitted into the air and that the department may reasonably anticipate will cause or contribute to climate change including, but not limited to, CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub>, hydrofluorocarbons (HFCs), and perfluorocarbons (PFCs)
17. In accordance with 40 CFR 63.7495(b), The Permittee must comply with the applicable requirements of 40 CFR Part 63 Subpart DDDDD no later than January 31, 2016.
18. In accordance with 40 CFR 63.7575, unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition.
19. Emission from application of coating formulations are VOC and/or HAP.
20. Reflects 8,760 hours of operation at maximum input rating using AP-42 (July 1998) Emission Factors.
21. Limit is applicable only during periods of gas curtailment or gas supply interruptions in accordance with 40 CFR 63.7575.

**B. COMPLIANCE DEMONSTRATION**

The Permittee is subject to the monitoring and testing, record keeping, and reporting requirements as contained in Tables 4, 5, and 6 below and 310 CMR 7.00 Appendix C (9) and (10) and applicable requirements contained in Table 3:

**Table 4**

EU	Monitoring And Testing Requirements
3-P2 4-P2	<ol style="list-style-type: none"> <li>1. In accordance with 40 CFR 63.7500(c), limited-use boilers must complete a tune-up every 5 years as specified in §63.7540(a)(12). They are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, the annual tune-up, or the energy assessment requirements in Table 3 to this subpart, or the operating limits in Table 4 to this subpart.</li> <li>2. In accordance with 40 CFR 63.7515(d), each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up.</li> <li>3. In accordance with 40 CFR 63.7540(a)(12) for limited use boilers, the Permittee must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section and listed below to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (i) below until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months.</li> </ol>

*(continued...)*

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
<p><b>3-P2 4-P2</b></p>	<p>(continued...)</p> <ul style="list-style-type: none"> <li>(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary;</li> <li>(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer’s specifications, if available;</li> <li>(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;</li> <li>(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer’s specifications, if available, and with any NO<sub>x</sub> requirement to which the unit is subject;</li> <li>(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and</li> <li>(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section and listed below,                         <ul style="list-style-type: none"> <li>A. The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;</li> <li>B. A description of any corrective actions taken as a part of the tune-up; and</li> <li>C. The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.</li> </ul> </li> </ul>
<p><b>5-DTP, 7-DF, 8-DF, 9-DF, 14-DTP, 15-DTP</b></p>	<p>4. In accordance with 40 CFR 63.7540(a)(10) for boilers with a heat input capacity of 10 million Btu per hour or greater, the Permittee must conduct an annual tune-up of the boiler to demonstrate continuous compliance as specified in paragraphs (i) through (vi) of this section. The Permittee must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up.</p> <p>5. In accordance with 40 CFR 63.7515(d), each annual tune-up specified in §63.7540(a)(10) must be conducted no more than 13 months after the previous tune-up.</p>
<p><b>12-DTP 16-DTP</b></p>	<p>6. In accordance with 40 CFR 63.7500(e), boilers in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2 years as specified in §63.7540(a)(11). Boilers in the units designed to burn gas 1 fuels subcategory are <b>not</b> subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.</p> <p>7. In accordance with 40 CFR 63.7540(a)(11) for boilers with a heat input capacity of less than 10 million Btu per hour, the Permittee must conduct a biennial tune-up of the boiler as specified in paragraphs §63.7540(a)(10)(i) through (vi) of this section to demonstrate continuous compliance.</p>

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
<p><b>5-DTP, 7-DF,                      8-DF, 9-DF,                      12-DTP, 14-DTP,                      15-DTP, 16-DTP</b></p>	<p>8. In accordance with 40 CFR 63 Subpart DDDDD, Table 3, the Permittee must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operates under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in §63.7575:</p> <ul style="list-style-type: none"> <li>a) A visual inspection of the boiler or process heater system.</li> <li>b) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.</li> <li>c) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.</li> <li>d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.</li> <li>e) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.</li> <li>f) A list of cost-effective energy conservation measures that are within the facility's control.</li> <li>g) A list of the energy savings potential of the energy conservation measures identified.</li> <li>h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.</li> </ul>
<p><b>7-DF, 8-DF, 9-DF,                      12-DTP, 14-DTP,                      15-DTP, 16-DTP</b></p>	<p>9. In accordance with 310 CMR 7.00 Appendix C (9)(b) 2., demonstrate compliance with the fuel oil sulfur content requirements in Table 3 of this Operating Permit and at 310 CMR 7.05(1)(a) by obtaining and maintaining a shipping receipt, including analysis, from the fuel supplier for each shipment of oil delivered. The analysis of the sulfur content of the fuel shall be in accordance with the applicable American Society for Testing Materials (ASTM) test methods or any other method approved by the MassDEP and EPA. The MassDEP may require testing of the fuel oil if the shipping receipt does not clearly demonstrate compliance.</p>
<p><b>5-DTP, 7-DF,                      8-DF, 9-DF,                      12-DTP, 14-DTP,                      15-DTP, 16-DTP,                      17-DF, 19-DF</b></p>	<p>10. In accordance with 310 CMR 7.04(4)(a), the Permittee shall not cause, suffer, allow, or permit the operation of any fossil fuel utilization facility rated by the MassDEP as having an energy input capacity equal to or greater than 3.0 MMBtu/hr unless said facility has been inspected and maintained in accordance with the manufacturer's recommendations, and tune-up and test for efficient operation at least once in each calendar year. The results of said inspection, maintenance, and testing and the date upon which it was performed shall be recorded and posted conspicuously on or near the facility.</p>

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
<b>3-P2, 4-P2, 5-DTP, 7-DF, 8-DF, 9-DF</b>	11. In accordance with 310 CMR 7.19(6)(b), the Permittee will verify on a monthly basis the settings determined by the annual tune-up required by 310 CMR 7.19(6)(a).
<b>5-DTP</b>	12. In accordance with 40 CFR 60 Subpart Dc and Duro Textiles, LLC November 4, 2004 notification of applicability letter, maintain a dedicated gas meter to monitor type and amount of fuel combusted each day.
<b>16-DTP</b>	13. In accordance with Plan Approval No. 4B94184, install and maintain a fuel oil meter and gas meter to accurately record the amount of No. 6 fuel oil and natural gas combusted in the boiler.
<b>17-DF</b>	14. In accordance with Plan Approval No. 4P01011 and 4P07034, Duro Textiles, LLC Finishing Plant operations, shall monitor fuel usage or hours of operation in order to calculate fuel usage to verify that the operational limit of 22 MMcf of natural gas per 12-month rolling period is not exceeded.
<b>30-FAC</b>	15. In accordance with 310 CMR 7.18(8)(h), upon request by MassDEP, perform or have performed tests to demonstrate compliance. Testing shall be conducted in accordance with a method approved by the MassDEP and EPA.
<b>38-DF</b>	16. In accordance with Plan Approval No. 4P07024, continuously monitor the temperature at the downstream end of the Coater Thermal Oxidizer combustion chamber.
	17. In accordance with Plan Approval No. 4P07024, continuously monitor the static pressure (measured in Inches of H <sub>2</sub> O, gauge) at the inlet to the centrifugal induced draft fan.
	18. In accordance with Plan Approval No. 4P07024, install, calibrate, maintain, and continuously operate all monitoring equipment (i.e. Coater Thermal Oxidizer combustion temperature and centrifugal induced draft fan static pressure) according to manufacturer's specifications and ensure that the continuous parameter monitoring systems (CPMS) meet the requirements of 40 CFR 63, Subpart OOOO.
	19. In accordance with Plan Approval No. 4P07024, the Permittee shall monitor <b>daily</b> coating operations on Coater No 1, Coater No. 2 and Coater No. 3 and the status of the Coater Thermal Oxidizer to include: <ul style="list-style-type: none"> <li>a) specific facility coating identification number;</li> <li>b) start time of run, end time of run, duration of run;</li> <li>c) amount of coating used (gallons);</li> <li>d) pounds of VOC/HAP per gallon coating;</li> <li>e) pounds of VOC/HAP per pound of solids, as applied (including any mix room adjustments);</li> <li>f) Coater Thermal Oxidizer minimum temperature over duration of run;</li> <li>g) Coater Thermal Oxidizer minimum, three hour rolling average, temperature over duration of run.  [Note: A three hour rolling average need not be calculated if all of the temperature readings recorded during the run clearly demonstrate continuous compliance with Condition B(3)(b) consistent with 40 CFR 63.4364(a)(3)(ii)];</li> <li>h) Maximum (minimum negative), three hour rolling average, static pressure at the inlet to the induced draft fan over duration of run.  [Note: A three hour rolling average need not be calculated if all of the static pressure readings recorded during the run clearly demonstrate continuous compliance with Condition B(2)(a) consistent with 40 CFR 63.4364(a)(3)(ii)].</li> </ul>

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
<b>38-DF 52-DF</b>	20. In accordance with Plan Approval No. 4P07024, the Permittee shall monitor daily the amount of Methyl Ethyl Ketone (MEK) or other VOC containing solvent used in cleaning operations for incorporation into the total amount of MEK or other VOC used/emitted in each monthly and consecutive 12-month rolling period.
<b>43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP, 50-DTP</b>	<p>21. In accordance with Plan Approval No. 4P11013, continuously measure, while operating, the operational parameters for ESP No. 1 and ESP No. 2 listed below:</p> <ul style="list-style-type: none"> <li>a) Secondary current (DC mA)</li> <li>b) Secondary voltage (DC kV)</li> <li>c) High Voltage Power (on/off)</li> <li>d) Spray Fogger Operation (on/off)</li> <li>e) Fogging spray water supply valve position (fully open)</li> </ul> <p>22. In accordance with Plan Approval No. 4P11013, install, calibrate, maintain, and continuously operate all monitoring equipment (e.g. voltage/current meters) according to manufacturer's specifications, but no less than annually.</p>
<b>47-DTP</b>	23. In accordance with Plan Approval No. 4P98024, install, operate and maintain a pH monitor that will record the pH of the Prep Area wastewater at all times. This pH monitor and recorder will provide a hardcopy record of the Prep Area wastewater pH values on a continuous basis.
<b>52-DF</b>	24. In accordance with Plan Approval No. 4P07024, the Permittee shall monitor daily the total amount of coating additives mixed, by weight, as processed through the mix room.
<b>Dyeing and Finishing Operations: 31-DF, 33-DF, 34-DF, 36-DF, 39-DF, 48-DTP, 49-DTP, 50-DTP</b>	<p>25. In accordance with 40 CFR 63.4331(b)(1) and §63.4321(e)(1)(iv), determine the mass fraction of organic HAP for each dyeing and finishing material applied each month using the manufacturer's formulation data (Formulation data must represent all organic HAP present <math>\geq 0.1\%</math> for OSHA defined carcinogens and <math>\geq 1.0\%</math> for other organic HAP compounds. Method 311 data takes precedence when available).</p> <p>26. In accordance with 63.4332(a) and 63.4331(b)(1) through (5), calculate the organic HAP emission rate, kg organic HAP emitted per kg dyeing and finishing material applied, to demonstrate continuous compliance with the emission limit specified in Table 1 to Subpart OOOO of Part 63. Water added in mixing at the affected source is not a regulated material and should not be included in the determination of the total mass of dyeing and finishing materials applied during the compliance period using Equation 5 of §63.4331. The Permittee must perform the calculations on a monthly basis.</p>

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
<p><b>Web Coating and Printing operations:                      38-DF, 40-DF,                      41-DF, 43-DTP,                      44-DTP, 45-DTP,                      46-DTP, 52-DF,                      53-FAC</b></p>	<p>27. In accordance with 40 CFR 63.4342(a) and 63.4341(e)(1), follow the procedures specified in §63.4331(a)(1) to determine the mass fraction of organic HAP for each coating, printing, thinning, and cleaning material applied each month using one of the following methods: 40 CFR 63, Appendix A, Method 311 [40 CFR 63.4321(e)(1)(i)]; or 40 CFR 60, Appendix A, Method 24 [40 CFR 63.4321(e)(1)(ii)]; or an Administrator Approved Alternate test method [40 CFR 63.4321(e)(1)(iii)]; or Formulation data provided by the manufacturer of the material [40 CFR 63.4321(e)(1)(iv)]</p>
	<p>28. In accordance with 40 CFR 63.4342(a) and 63.4341(e)(1) through (7), calculate the organic HAP emission rate, kg organic HAP emitted per kg solids applied during the compliance period, to demonstrate continuous compliance with the emission limit specified in Table 1 to Subpart OOOO of Part 63. The Permittee must perform the calculations on a monthly basis.</p>
	<p>29. In accordance with 40 CFR 63.4364(a) and (c), for any controlled web coating/printing operation, the Permittee must install, operate, and maintain the thermal oxidizer temperature monitoring equipment according to the requirements in paragraphs 63.4364(a)(1) through (8) and 63.4364(c)(i) and (ii).</p>
	<p>30. In accordance with 40 CFR 63.4364(a) and (e), for any controlled web coating/printing operation, the Permittee must install, operate, and maintain the duct static pressure monitoring equipment according to the requirements in paragraphs 63.4364(a)(1) through (8) and 63.4364(e)(1) through (5).</p>
<p><b>EG</b></p>	<p>31. In accordance with 40 CFR 60.4234, the Permittee must operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233(d) over the entire life of the engine.</p>
	<p>32. In accordance with 40 CFR 60.4237(c) and 310 CMR 7.26(42)(d)1, the Permittee must install a non-resettable hour meter upon startup of your emergency engine. The non-resettable hour meter shall be operated and maintained in good working order.</p>
	<p>33. In accordance with 40 CFR 60.4243(d)(2), the Permittee may operate the emergency stationary ICE for any combination of the purposes specified below for a maximum of 100 hours per calendar year.</p> <p>(i) Emergency Stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.</p>

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
EG	<p>34. In accordance with 40 CFR 60.4243(d)(3), the Permittee may operate the Emergency stationary ICE for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for nonemergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.</p> <p>(i) The 50 hours per year for nonemergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:</p> <ul style="list-style-type: none"> <li>A. <i>The Engine is dispatched by the local balancing authority or local transmission and distribution system operator;</i></li> <li>B. <i>The Engine is dispatched by the local balancing authority or local transmission and distribution system operator;</i></li> <li>C. <i>The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.</i></li> <li>D. <i>The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or Guidelines.</i></li> <li>E. <i>The power is provided only to the facility itself or to support the local transmission and distribution system.</i></li> <li>F. <i>The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.</i></li> </ul>
	<p>35. In accordance with 310 CMR 7.26(42)(e)2, MassDEP may require emission or other monitoring to assure compliance with the requirements of 310 CMR 7.26(42).</p>
	<p>36. In accordance with 310 CMR 7.26(42)(e)3, any testing when required shall comply with the following:</p> <ul style="list-style-type: none"> <li>a) Tests to certify compliance with emission limitations must be performed in accordance with EPA reference Methods, California Air Resources Board Methods approved by EPA, or equivalent methods as approved by MassDEP and EPA.</li> <li>b) Particulate matter from liquid fuel reciprocating engines shall be determined using Method 8178 D2 of the International Organization for Standardization.</li> <li>c) Testing shall be conducted at the full design load of the emergency engine</li> <li>d) MassDEP may require emission or other testing to assure compliance with the emission limitations or fuel requirements</li> </ul>

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
EG	<p>37. In accordance with 310 CMR 7.26(42)(d)4, the engine shall utilize an exhaust stack that discharges so as to not cause a condition of air pollution (310 CMR 7.01(1)). Exhaust stacks shall be configured to discharge the combustion gases vertically and shall not be equipped with any part or device that restricts the vertical exhaust flow of the emitted combustion gases, including but not limited to rain protection devices “shanty caps” and “egg beaters”. Any emission impacts of exhaust stacks upon sensitive receptors including, but not limited to, people, windows and doors that open, and building fresh air intakes shall be minimized by employing good air pollution control engineering practices. Such practices include without limitation:</p> <ul style="list-style-type: none"> <li>i) Avoiding locations that may be subject to downwash of the exhaust; and</li> <li>ii) Installing stack(s) of sufficient height in locations that will prevent and minimize flue gas impacts upon sensitive receptors.</li> </ul>
Facility-wide	<p>38. Compliance with the emission limits for 310 CMR 7.06(1)(b) <u>Opacity</u>, when required, shall be determined by the procedures set forth in Test Method 9 as described in 40 CFR 60, Appendix A. Compliance with “No visible emissions (i.e. 0% opacity) exclusive of uncombined water vapor” requirements may also be determined by the procedures set forth in Test Method 22 as described in 40 CFR 60, Appendix A.</p> <p>39. In accordance with 310 CMR 7.02(8)(g), for the purposes of determining compliance with 310 CMR 7.02(8)(d) and 7.02(8)(h), any emission testing for compliance with these limitations shall be conducted under isokinetic sampling conditions and in accordance with EPA test methods, as appropriate, including but not limited to Test Methods 1 through 5 as specified in 40 CFR Part 60, Appendix A, or other methods approved by the MassDEP and EPA.</p> <p>40. In accordance with 310 CMR 7.18(2)(a), 310 CMR 7.18(17)(h) and 310 CMR 7.18(26)(i), any person subject to 310 CMR 7.18, 310 CMR 7.18(17) or 310 CMR 7.18(26)(a) shall, upon request of the MassDEP, perform or have performed tests to demonstrate compliance. Testing shall be conducted in accordance with EPA Method 24, Method 24A and/or Method 25 as described in 40 CFR 60, Appendix A, or other methods approved by the MassDEP and EPA.</p> <p>41. In accordance with 310 CMR 7.13(1), any person owning, leasing, operating, or controlling a facility for which the MassDEP has determined that stack testing is necessary to ascertain compliance with the MassDEP’s regulations shall cause such stack testing:</p> <ul style="list-style-type: none"> <li>a) to be conducted by a person knowledgeable in stack testing,</li> <li>b) to be conducted in accordance with procedures contained in a test protocol which has been approved by the MassDEP,</li> <li>c) to be in the presence of a representative of the MassDEP when such is deemed necessary, and;</li> <li>d) to be summarized and submitted to the MassDEP with analyses and report within such time as agreed to in the approved test protocol.</li> </ul>

**Table 4 (continued)**

EU	Monitoring And Testing Requirements
<p><b>Facility-wide</b></p>	<p>42. In accordance with 310 CMR 7.13(2), any person having control of a facility, relative to which the MassDEP determines that stack testing (to ascertain the mass emission rates of air contaminants emitted under various operating conditions) is necessary for the purposes of regulation enforcement or determination of regulation compliance shall cooperate with the MassDEP to provide:</p> <ul style="list-style-type: none"> <li>a) entrance to a location suitable for stack sampling,</li> <li>b) sampling ports at locations where representative samples may be obtained,</li> <li>c) staging and ladders to support personnel and equipment for performing tests,</li> <li>d) a suitable power source at the sampling location for the operation of sampling equipment, and</li> <li>e) such other reasonable facilities as may be requested by the MassDEP.</li> </ul>
	<p>43. Monitor operations such that information may be compiled for the annual preparation of a Source Registration/Emission Statement Form as required by 310 CMR 7.12.</p>
	<p>44. In accordance with 310 CMR 7.00 Appendix C (9)(b):</p> <ul style="list-style-type: none"> <li>a) Comply with all emissions monitoring and analysis procedures or test methods required under the applicable requirements, including those promulgated pursuant to 42 U.S.C. 7401, The Clean Air Act, §§ 504(a) and 504(b) or 114(a)(3);</li> <li>b) If the applicable requirement does not require periodic testing or instrumental or non-instrumental monitoring (which may consist of record keeping designed to serve as monitoring), then the Permittee shall perform periodic monitoring sufficient to yield reliable data from the relevant time period that is representative of the source’s compliance with the permit. Such monitoring requirements shall assure the use of terms, test methods, units, averaging periods and other statistical conventions consistent with the applicable requirement. Record keeping provisions may be sufficient to meet the requirements; and</li> <li>c) Comply with requirements concerning the use, maintenance and installation of monitoring equipment or methods as the MassDEP deems appropriate.</li> </ul>
	<p>45. In accordance with 310 CMR 7.71(1) and Appendix C(9) establish and maintain data systems or record keeping practices (e.g. fuel use records, SF<sub>6</sub> usage documentation, Continuous Emissions Monitoring System) for greenhouse gas emissions to ensure compliance with the reporting provisions of M.G.L. c. 21N§ 2, the Climate Protection and Green Economy Act, Acts of 2008, c. 298, § 6. <b>(State only requirement)</b></p>

**Table 4 Key:**

- pH = the symbol for the logarithm of the reciprocal of hydrogen ion concentration in grams atoms per liter, used to express acidity or alkalinity of a solution on a scale of 0 to 14
- ASTM = American Society for Testing Materials
- lbs/MMBtu = pounds per Million British thermal units
- NERC = National Electric Reliability Corporation
- NESHAP = National Emission Standards for Hazardous Air Pollutants
- SI ICE = Spark Ignition Internal Combustion Engine
- EPA = United States Environmental Protection Agency
- MassDEP = Massachusetts Department of Environmental Protection
- U.S.C. = United States Code

**Table 4 Key (continued):**

kV DC	= Secondary Voltage in Kilo Volt Direct Current		
HAP (single)	= maximum single Hazardous Air Pollutant		
ISO	= International Organization of Standardization		
HAPs (total)	= Total Hazardous Air Pollutant		
OSHA	= Occupational Safety and Health Administration		
lbs	= pounds	CO	= Carbon Monoxide
CO <sub>2</sub>	= Carbon Dioxide	c.	= Chapter
CFR	= Code of Federal Regulations	CMR	= Code of Massachusetts Regulations
CPMS	= Continuous Parameter Monitoring System	MEK	= Methyl Ethyl Ketone
MMcf	= Million cubic feet	M.G.L.	= Massachusetts General Law
DC mA	= Secondary Current in Milliamps	No.	= Number
NO <sub>x</sub>	= Nitrogen Oxides	e.g.	= for example
SO <sub>2</sub>	= Sulfur Dioxides	SF6	= Sulfur Hexafluoride
EU	= Emission Unit	g/bhp-hr	= grams per brake horsepower hour
TPY	= tons per consecutive 12-month period	TPM	= tons per month
H <sub>2</sub> O	= water	%	= percent
ICE	= Internal Combustion Engine	VOC	= Volatile Organic Compounds
kg	= kilogram	lbs/hr	= pounds per hour
≤	= less than or equal to	Btu	= British Thermal Units
§	= section	§§	= sections

**Table 4A**

**Compliance Assurance Monitoring (CAM) for Particulate Matter (PM) emissions  
 from ESPs No.1 and No.2 for EUs (43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP, 50-DTP)**

Parameter	Indicator No.1	Indicator No.2
Indicator	Secondary Voltage	Fogging spray pressure
Monitoring Approach	Continuous monitoring of secondary voltage with values recorded every 4-hours during operation of the emission units.	Monitoring of the water supply valve position for the water spray system and system pressure during normal operation and during washing.
Indicator Range	≥ 16 kV DC	<b>Normal Operation (Fogging):</b> Spray nozzles operating at a pressure of ≥ 40 PSI <b>Washing:</b> Spray nozzles operating at a pressure of ≥ 60 PSI

**Table 4A (continued)**

**Compliance Assurance Monitoring (CAM) for Particulate Matter (PM) emissions  
 from ESPs No.1 and No.2 for EUs (43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP, 50-DTP)**

<p>Response to Indicators Action Level Range</p>	<p>A secondary voltage during normal operating conditions that is below the applicable minimum threshold value will trigger audible and visual alarms to signal plant personnel of the malfunction. The Permittee will take the following immediate corrective actions:</p> <ul style="list-style-type: none"> <li>• If the secondary voltage does not return to <math>\geq 16</math> kV within 60 minutes from the alarm, the Permittee will shutdown the emission units being exhausted to the ESP. An investigation into the cause of the excursion will be conducted with corrective actions implemented and documented prior to re-starting the emission units.</li> </ul>	<p>If during fogging or washing the spray nozzle pressure drops below the set point, the system shifts to a backup spare pump. If the pressure remains low after the pump switch, the system alarms and there is an automatic shutoff of the finishing frames and/or printers being exhausted to the WESP in alarm. If there was an interruption in water supply, the recirculation tank would empty triggering audible and visual alarms and automatic shutoff of the finishing frames and/or printers being exhausted to the WESP in alarm.</p>
<p>Performance Criteria Data Representativeness</p>	<p>The minimum secondary voltage was determined based on optimization testing.</p>	<p>Spray nozzle pressures during fogging and washing based upon manufacturer recommendations.</p>
<p>Averaging Period</p>	<p>Continuous monitoring with hourly average established by the period beginning with the initial alarm indicating below indicator range.</p>	<p style="text-align: center;">N/A</p>
<p>Recordkeeping</p>	<p>Secondary voltage shall be recorded every 4 hours during operation of the emission units exhausted to the ESP.</p>	<ul style="list-style-type: none"> <li>• Fogging nozzle water pressure once per shift.</li> <li>• Washing nozzle water pressure once per shift when cleaning is performed.</li> </ul>
<p>QA/QC Practices and Criteria</p>	<p>The Permittee shall install, calibrate, maintain, and continuously operate the secondary voltage meter in accordance with manufacturer's specifications. Calibration of the secondary voltage meter shall occur no less frequently than annual</p>	<ul style="list-style-type: none"> <li>• The water supply valve is a manual valve and cannot be changed unless adjusted by plant personnel. The Permittee shall train each operator in DTP involved with the operation of the printers and tenters to not adjust the water supply valve position.</li> <li>• The water pumps and spray nozzles shall be maintained in accordance with manufacturer recommendations.</li> </ul>

**Table 4A Key**

CAM	= Compliance Assurance Monitoring	No.	= Number
DTP	= Duro Textile Printing Plant	PM	= Particulate Matter
ESP	= Electrostatic Precipitator	PSI	= Pounds per square inch
QA/QC	= Quality Assurance/Quality Control	kV	= Kilo Volt
N/A	= Not Applicable	≥	= greater than or equal to
kV DC	= Secondary Voltage in Kilo Volt Direct Current		
WESP	= Wet Electrostatic Precipitator		

**Table 5**

EU	RECORD KEEPING REQUIREMENTS
<b>3-P2 4-P2</b>	1. In accordance with 40 CFR 63.7525(k), for each unit that meets the definition of limited-use boiler, the Permittee must keep fuel use records for the days the boiler or process heater was operating.
	2. In accordance with 40 CFR 63.7555(a)(3), for units in the limited use subcategory, the Permittee must keep a copy of the federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent.
<b>3-P2, 4-P2, 5-DTP, 7-DF, 8-DF, 9-DF, 12-DTP, 14-DTP, 15-DTP, 16-DTP</b>	3. In accordance with 40 CFR 63.7555(a), the Permittee must keep records according to paragraphs (i) and (ii) below. <ul style="list-style-type: none"> <li>(i) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).</li> <li>(ii) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).</li> </ul>
	4. In accordance with 40 CFR 63.7560, <ul style="list-style-type: none"> <li>(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).</li> <li>(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.</li> <li>(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.</li> </ul>
	5. In accordance with 310 CMR 7.04(4), record and post conspicuously on or near the facility the results of required annual inspection, maintenance and testing of all boilers.

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<b>5-DTP, 7-DF,  8-DF, 9-DF,  12-DTP, 14-DTP,  15-DTP, 16-DTP</b>	6. In accordance with 40 CFR 63.7555(h), if the Permittee operates a unit designed to burn gas 1 subcategory that is subject to this subpart, and uses an alternative fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart under this part, other gas 1 fuel, or gaseous fuel subject to another subpart of this part or part 60, 61, or 65, the Permittee must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.
<b>7-DF, 8-DF,  9-DF, 12-DTP,  14-DTP, 15-DTP,  16-DTP</b>	7. In accordance with 310 CMR 7.00 Appendix C (9)(b) 2., maintain records on site of fuel purchase shipping receipts and/or any fuel oil analyses performed in accordance with the applicable American Society for Testing Materials (ASTM) test methods or any other method approved by the MassDEP and EPA in order to demonstrate compliance with fuel sulfur content requirements as provided in Table 3 of this Operating Permit and 310 CMR 7.05(1)(a).
<b>3-P2, 4-P2, 5-DTP,  7-DF, 8-DF, 9-DF</b>	8. In accordance with 310 CMR 7.19(6), keep records for five years of each annual tune-up to include: date of tune-up; person(s) conducting tune-up; O <sub>2</sub> /CO (for gas) or O <sub>2</sub> /smoke spot (for oil) correlations obtained during tune-up; boiler/burner manufacturer's recommended set-points; final boiler set-points as a result of tune-up; normal boiler/burner maintenance records; monthly verification that the settings determined during the tune-up have not changed.
<b>5-DTP</b>	9. In accordance with Plan Approval No. 4B98006, establish and maintain a detailed record keeping system to verify compliance with all conditions of said plan approval and such that year-to-date information is readily available to the MassDEP. Record keeping shall include: <ul style="list-style-type: none"> <li>a) The initiation and completion dates for the proposed construction/ reconstruction/ alteration.</li> <li>b) Fuel usage log. This log may consist of standard bills for fuel usage.</li> <li>c) Maintenance. A record of routine maintenance activities including, at minimum, the type or a description of the maintenance performed and the date and time the work was completed.</li> <li>d) Malfunctions. A record of all malfunctions including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the facility returned to compliance.</li> <li>e) Records documenting the air contaminant emission analysis supporting the response to the applicability of 310 CMR 7.00 Appendix A and 40 CFR 52.21 PSD.</li> </ul>
	10. In accordance with 40 CFR 60.48c (g), record and maintain records of the amounts of each fuel combusted during each operating day.
	11. In accordance with 40 CFR 60.48c (i), all records required by the section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such records.
<b>7-DF,  8-DF, 9-DF</b>	12. In accordance with Plan Approval 4B92043, fuel use records shall be maintained to confirm compliance with 12 month rolling period emissions, and the aggregate maximum fuel heat input rate of 793,656 MMBtu per twelve month rolling period for all four Duro Finishing Boilers.

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<b>12-DTP</b>	<p>13. In accordance with Plan Approval No. 4B93089, a record keeping system shall be established and continued on site. All records shall be maintained up-to-date such that year-to-date information is readily available for MassDEP examination. Record keeping shall at a minimum include:</p> <ul style="list-style-type: none"> <li>a) The initiation and completion dates for the proposed construction/reconstruction/alteration.</li> <li>b) Fuel usage log. This log may consist of standard bills for fuel usage.</li> <li>c) Maintenance. A record of routine maintenance activities including, at minimum, the type or a description of the maintenance performed and the date and time the work was completed.</li> <li>d) Malfunctions. A record of all malfunctions including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the facility returned to compliance.</li> </ul>
<b>16-DTP</b>	<p>14. In accordance with Plan Approval No. 4B94184, fuel usage shall be recorded in a fuel consumption log on a daily basis. The thirty (30) day rolling period emissions will be determined from these daily quantities. Usage for natural gas shall be recorded on a daily basis by a gas meter and reconciled monthly. Establish and maintain a record keeping system such that year-to-date information is readily available to the MassDEP. Record keeping shall, at a minimum, include:</p> <ul style="list-style-type: none"> <li>a) The initiation and completion dates for the proposed construction/ reconstruction/ alteration.</li> <li>b) Fuel usage log. This log may consist of standard bills for fuel usage.</li> <li>c) Maintenance. A record of routine maintenance activities including, at minimum, the type or a description of the maintenance performed and the date and time the work was completed.</li> <li>d) Malfunctions. A record of all malfunctions including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the facility returned to compliance.</li> <li>e) Records documenting the air contaminant emission analysis supporting the response to the applicability of 310 CMR 7.00 Appendix A and 40 CFR 52.21 PSD.</li> <li>f) All records shall be made available to the MassDEP upon request.</li> </ul>
<b>17-DF</b>	<p>15. In accordance with Plan Approval No. 4P01011 and 4P07034, Duro Textiles, LLC Finishing Plant operations, shall establish an on-site recording system. All records shall be maintained up-to-date such that year-to-date information is readily available for MassDEP examination. Record keeping shall, at a minimum, include:</p> <ul style="list-style-type: none"> <li>a) The initiation and completion dates for the proposed construction/reconstruction/alteration.</li> <li>b) Malfunctions. A record of all malfunctions including, at a minimum; the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the facility returned to compliance.</li> <li>c) Records shall be maintained documenting the air emission analysis supporting the response to the applicability of 310 CMR 7.00 Appendix A and 40 CFR 52.21 PSD.</li> </ul> <p>A detailed record keeping system shall be maintained to verify compliance with all conditions set for this emission unit in this Operating Permit and in Plan Approval No. 4P01011 to include a record of the hours of operation and natural gas use.</p>

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
19-DF	<p>16. In accordance with Plan Approval No. 4B96102, establish and maintain a record keeping system such that year-to-date information is readily available to the MassDEP to verify compliance with all conditions set for this emission unit in this document and in Plan Approval No. 4B96102. Record keeping shall, at a minimum, include:</p> <ul style="list-style-type: none"> <li>a) The initiation and completion dates for the proposed construction/ reconstruction/ alteration.</li> <li>b) Fuel usage log. This log may consist of standard bills for fuel usage.</li> <li>c) Maintenance. A record of routine maintenance activities including, at minimum, the type or a description of the maintenance performed and the date and time the work was completed.</li> <li>d) Malfunctions. A record of all malfunctions including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the facility returned to compliance.</li> <li>e) Records documenting the air contaminant emission analysis supporting the response to the applicability of 310 CMR 7.00 Appendix A and 40 CFR 52.21 PSD.</li> </ul>
30-FAC	<p>17. In accordance with 310 CMR 7.03(6) and 310 CMR 7.18(8)(g), maintain records of the type of solvent(s) and amount(s) used and other information that may be necessary to demonstrate compliance with the applicable requirements listed in <i>Table 3</i> and <i>Table 8, Special Terms and Conditions No.7</i> of this permit.</p>
31-DF 33-DF 34-DF 36-DF 38-DF 39-DF 40-DF	<p>18. In accordance with Plan Approval No. 4P93103 and 310 CMR 7.18(26)(h), prepare and maintain daily records sufficient to demonstrate compliance consistent with the applicable averaging time as stated in 310 CMR 7.18(2)a. Compliance records shall be kept on site for five years and shall be made available to representatives of the MassDEP and EPA upon request. The following records shall be maintained:</p> <ul style="list-style-type: none"> <li>a) identity, quantity, formulation, solids content and density of VOC containing materials used, including but not limited to: dyeing formulations, finishing formulations and coating formulations;</li> <li>b) identity, quantity, formulation and density of any diluent(s) and clean-up solvent(s) used;</li> <li>c) actual operational and emission characteristics of the textile finishing process equipment and any appurtenant emissions capture and control equipment;</li> <li>d) quantity of textile processed; and</li> <li>e) any other requirements specified by the MassDEP in any approval(s) and/or order(s) issued to the facility.</li> </ul> <p>Maintain a copy of the Standard Operating and Maintenance Procedure (SOMP) for each coating line on-site at all times.</p>
31-DF, 33-DF, 34-DF, 36-DF, 38-DF, 39-DF, 40-DF, 41-DF, 52-DF	<p>19. In accordance with Plan Approval No. 4P07024, textile process emissions (VOC and HAP) from all Duro Finishing Plant operations, shall be quantified and documented <b>daily</b> for incorporation into monthly and consecutive 12-month period emissions.</p>

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<b>31-DF, 33-DF, 34-DF,                      36-DF, 38-DF, 39-DF,                      40-DF, 41-DF, 52-DF</b>	20. In accordance with Plan Approval No. 4P07024, the records shall be maintained on a monthly basis and on a consecutive 12-month period basis (the total from the latest month plus the sum for the eleven months preceding the latest month). These records, including any other “credible evidence” such as material data safety sheets (MSDS) for chemicals used, shall document the compliance status of the facility regarding the conditions, provisions, and limits contained in this Plan Approval.
	21. In accordance with Plan Approval No. 4P07024, a copy of all records must be kept readily available on-site for a period of five (5) years and shall be available to MassDEP and/or US EPA personnel upon request.
	22. In accordance with Plan Approval No. 4P07024, the Permittee shall keep a repair log of maintenance performed on all approved textile processing equipment and associated air pollution control equipment.
<b>38-DF</b>	23. In accordance with Plan Approval No. 4P07024, the combustion temperature (measured in °F) of the Coater Thermal Oxidizer as monitored and recorded on a continuous basis by a thermocouple located at the downstream end of the combustion chamber. <i>[Note: A three hour rolling average need not be calculated if all of the temperature readings recorded during the run clearly demonstrate continuous compliance with the three hour rolling minimum temperature consistent with 40 CFR 63.4364(a)(3)(ii)]</i>
	24. In accordance with Plan Approval No. 4P07024, the static pressure (measured in Inches of H <sub>2</sub> O, gauge) at the inlet to the centrifugal induced draft fan as monitored and recorded on a continuous basis, for incorporation into a rolling 3-hour average. <i>[Note: A three hour rolling average need not be calculated if all of the static pressure readings recorded during the run clearly demonstrate continuous compliance with the three hour rolling maximum static pressure consistent with 40 CFR 63.4364(a)(3)(ii)]</i>
	25. In accordance with Plan Approval No. 4P07024, the continued maintenance, for the facility, of an “up-to date” solvent coating “Table A” detailing: <ul style="list-style-type: none"> <li>a) the facility coating identification number;</li> <li>b) density of coating (pounds per gallon);</li> <li>c) pounds of VOC/HAPs per gallon coating, as applied;</li> <li>d) pounds of solids per gallon coating, as applied;</li> <li>e) pounds of VOC/HAPs per pound solids, before control;</li> <li>f) pounds of VOC/HAPs per pound solids, after control;</li> </ul>

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<p><b>38-DF</b></p>	<p>26. In accordance with Plan Approval No. 4P07024, maintain dated <b>daily</b> records detailing coating operations on Coater No. 1, Coater No. 2 and Coater No. 3 and the status of the Coater Thermal Oxidizer to include:</p> <ul style="list-style-type: none"> <li>a) specific facility coating identification number;</li> <li>b) start time of run, end time of run, duration of run;</li> <li>c) amount of each coating used (gallons);</li> <li>d) pounds of VOC/HAPs per gallon coating;</li> <li>e) pounds of VOC/HAPs per pound of solids, as applied(including any mix room adjustments);</li> <li>f) Coater Thermal Oxidizer minimum temperature over duration of run;</li> <li>g) Coater Thermal Oxidizer minimum, three hour rolling average, temperature over duration of run. <i>[Note: A three hour rolling average need not be calculated if all of the temperature readings recorded during the run clearly demonstrate continuous compliance with Condition B(3)(b) consistent with 40 CFR 63.4364(a)(3)(ii)];</i></li> <li>h) maximum (minimum negative), three hour rolling average, static pressure at the inlet to the induced draft fan over duration of run. <i>[Note: A three hour rolling average need not be calculated if all of the static pressure readings recorded during the run clearly demonstrate continuous compliance with Condition B(2)(a) consistent with 40 CFR 63.4364(a)(3)(ii)]</i></li> </ul>
<p><b>38-DF</b> <b>40-DF</b> <b>41-DF</b></p>	<p>27. In accordance with Plan Approval No. 4P07024, the Maintenance of a notebook containing completed, signed, BWP AQ SFP-1 forms for each coating used at the facility, along with supporting information as needed, to verify the facility Solvent coating “Table A” and Aqueous coating “Table A”.</p> <p>28. In accordance with Plan Approval No. 4P07024, the continued maintenance, for the facility, of an “up-to-date” aqueous coating “Table A” detailing:</p> <ul style="list-style-type: none"> <li>a) the facility coating identification number;</li> <li>b) density of coating (pounds per gallon);</li> <li>c) pounds of VOC/HAPs per gallon coating, as applied;</li> <li>d) pounds of solids per gallon coating, as applied;</li> <li>e) pounds of solids per gallon solids, as applied;</li> <li>f) gallons of solids per gallon coating, as applied;</li> <li>g) pounds of VOC/HAPs per pound solids, as applied;</li> <li>h) pounds of VOC per gallon solids, as applied.</li> </ul>

**Table 5 (continued)**

<b>EU</b>	<b>RECORD KEEPING REQUIREMENTS</b>
<b>38-DF 52-DF</b>	<p>29. In accordance with Plan Approval No. 4P07024, maintain <u>daily</u> records of Methyl Ethyl Ketone (MEK) and/or other VOC (non-HAP) containing solvent used for cleaning operations for incorporation into the total amount of Methyl Ethyl Ketone (MEK) or other VOC (non-HAP) containing solvent used for cleaning operations on the subject equipment on a monthly and consecutive 12-month period. The Permittee may reconcile MEK and/or other VOC (non-HAPs) contained in any waste shipped during the month when determining monthly usage/emissions. The facility shall maintain beginning and end of year inventory records, waste disposal records, and purchase records for MEK and/or other VOC (non-HAPs) containing material, such that the MassDEP may check these for consistency with plant logs. Such records shall verify the MEK and/or other VOC (non-HAPs) content, and quantity present, in the waste being shipped if reconciling monthly emissions.</p>
<b>39-DF 41-DF</b>	<p>30. In accordance with Plan Approval No. 4P95001, comply with the following record keeping requirements for the dye house operations and Aqueous Coater No. 4, coating head 3 (CR-3):</p> <ul style="list-style-type: none"> <li>a) A facility-wide daily record of the VOC containing material usage and VOC containing material quantities mixed shall be maintained as submitted in original application. VOC emissions recording the total chemical throughput and the amount of fabric run on each machine shall be totaled on a monthly basis and incorporated into a twelve (12) month rolling average. These records shall demonstrate that the approved emission limitations are not exceeded.</li> <li>b) Other plant records, such as purchase, inventory, hazardous waste, cleaning solvent tracking, estimated fugitive VOC losses, and daily production records shall also be maintained to verify VOC emissions.</li> <li>c) The Permittee shall calculate fuel-burning emissions using the appropriate emission factors contained in AP-42.</li> </ul>
<b>43-DTP, 44-DTP, 45-DTP, 46-DTP</b>	<p>31. In accordance with Plan Approval No. 4P98024, maintain an ammonia formulation and usage log for ammonia containing materials. Formulation records must include the formulation ID and, on an as applied basis, pounds of ammonia per gallon, pounds of ammonia per day and year-to-date total ammonia emissions.</p>
<b>43-DTP, 44-DTP, 45-DTP, 46-DTP 47-DTP</b>	<p>32. In accordance with Plan Approval No. 4P98024, maintain monthly and annual logs of raw materials used. These logs shall be kept in a complete and accurate fashion at all times and shall be available for MassDEP inspections. DTP may reconcile ammonia and VOC contained in any hazardous waste shipped during the month when determining monthly emissions. The facility shall maintain beginning and end of year inventory records, hazardous waste disposal records, and purchase records for ammonia and VOC containing material, such that the MassDEP may check these for consistency with plant logs. Such records shall verify the ammonia and VOC content, and quantity present, in the waste being shipped if reconciling monthly emissions.</p>
<b>43-DTP, 44-DTP, 45-DTP, 46-DTP 48-DTP, 49-DTP</b>	<p>33. In accordance with Plan Approval No. SM-85-168-IF, 4P92088 and 4P98024, maintain a VOC formulation (as applied to the substrate) and usage log for VOC-containing materials. Formulation records must include the formulation ID and, on an as applied basis, solids per gallon, VOC/solid ratio, VOC % per gallon, pounds VOC per day and year-to-date total VOC emissions. In addition, for each rotary screen printer, a daily record shall be kept of the specific ink(s) applied on that day.</p>

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<b>43-DTP, 44-DTP,  45-DTP, 46-DTP  48-DTP, 49-DTP,  50-DTP</b>	34. In accordance with Plan Approval No. 4P11013, maintain monthly and consecutive twelve month period records of Particulate Matter emitted from ESP No. 1 and ESP No. 2 to demonstrate compliance with the emission limits of the approval and Table 3 of this Operating Permit.
	35. In accordance with Plan Approval No. 4P11013, record, at a minimum every four hours while operating, the following operational parameters for ESP No. 1 and ESP No. 2: <ul style="list-style-type: none"> <li>a) Secondary current (DC mA)</li> <li>b) Secondary voltage (DC kV)</li> <li>c) High Voltage Power (on/off)</li> <li>d) Spray Fogger Operation (on/off)</li> <li>e) Fogging spray water supply valve position (fully open)</li> </ul>
	36. In accordance with Plan Approval No. 4P11013, develop and maintain a recordkeeping system that verifies compliance with enforceable limits and/or criteria contained in the Plan Approval No. 4P11013. Records documenting compliance with the provisions of the approval shall include, but not be limited to maintaining a notebook(s) containing a record of all malfunctions and maintenance performed on ESP No. 1 and ESP No. 2. This record shall include the date of malfunction, if applicable, and/or performed maintenance, a summary of the maintenance performed, and the result of the maintenance with respect to the original intent.
<b>47-DTP</b>	37. In accordance with Plan Approval No. 4P98024, maintain copies of all pH monitor records.
<b>49-DTP</b>	38. In accordance with Plan Approval No. SM85-036-IF, establish and maintain an equipment maintenance log for this finishing frame. The dates and description of all maintenance activities performed on the equipment shall be entered in the log.
<b>50-DTP</b>	39. In accordance with Plan Approval No. 4P94097: <ul style="list-style-type: none"> <li>a) Maintain a <u>daily</u> record of the VOC containing material usage (including VOC content, solids content) and VOC containing material quantities mixed for use on the No. 3 Tenter/Dryer. VOC emissions shall be tracked on a monthly basis and incorporated into a twelve month rolling average. These records shall demonstrate that the approved emission limitations are not exceeded.</li> <li>b) Other plant records, such as purchase, inventory, hazardous waste, cleaning solvent tracking, estimated fugitive VOC losses, and daily production records shall also be maintained to verify VOC emissions.</li> <li>c) The Permittee shall calculate fuel-burning emissions using the approved emission factors as contained in Plan Approval 4P94097.</li> </ul>

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<b>52-DF</b>	<p>40. In accordance with 310 CMR 7.18(27)(f), maintain records sufficient to demonstrate compliance. Records kept to demonstrate compliance shall be kept on site for five years, and shall be made available to representatives of the MassDEP or EPA upon request. Such records shall include, but are not limited to:</p> <ul style="list-style-type: none"> <li>a) the date and description of any repair or replacement of a mixing tank lid.</li> <li>b) any other requirements specified by the MassDEP in any approval(s) issued under 310 CMR 7.18(20) or any order(s) issued.</li> </ul>
	<p>41. In accordance with Plan Approval No. 4P07024, maintain <u>daily</u> records of the total amount of coating additives mixed, by weight, as processed through the Mix Room and calculations documenting the fugitive VOC/HAP emissions for the Mix Room, based on a 200 lb VOC/ton coating additives emission factor, for each monthly and consecutive 12-month period.</p>
<b>Dyeing and Finishing Operations: 31-DF, 33-DF, 34-DF, 36-DF, 39-DF, 48-DTP, 49-DTP, 50-DTP</b>	<p>42. In accordance with 40 CFR 63.4312 (c)(2), maintain a record of the dyeing/finishing operations on which you used this compliance option and the time periods (beginning and ending dates) you used this option.</p>
	<p>43. In accordance with 40 CFR 63.4312(c)(2)(ii), the Permittee shall keep a record of the calculation for the total mass of organic HAP emissions for the dyeing and finishing materials applied each compliance period using Equations 4 and 4A of §63.4331; the calculation of the total mass of dyeing and finishing materials applied each compliance period using Equation 5 of §63.4331; and the calculation of the organic HAP emission rate for each compliance period using Equation 6 of §63.4331.</p>
<b>Web Coating and Printing operations: 38-DF, 40-DF, 41-DF, 43-DTP, 44-DTP, 45-DTP, 46-DTP, 52-DF, 53-FAC</b>	<p>44. In accordance with 40 CFR 63.4312 (c)(1), maintain a record of the web coating/printing operations on which you used this compliance option and the time periods (beginning and ending dates) you used this option.</p>
	<p>45. In accordance with 40 CFR 63.4312(c)(1)(iii), the Permittee shall keep a record of the calculation of the total mass of organic HAP emissions before add-on controls for the coating, printing, thinning and cleaning materials applied each compliance period using Equations 1, 1A, and 1B of §63.4331; the calculation of the total mass of the solids contained in all coating and printing materials applied each compliance period using Equation 2 of §63.4331; the calculation of the mass of organic HAP emission reduction by emission capture systems and add-on control devices using Equations 1, 1A, 1B, and 1C of §63.4341 and Equations 2, 3, 3A, and 3B of §63.4341, as applicable; and the calculation of the organic HAP emission rate for each compliance period using Equation 4 of §63.4341.</p>
	<p>46. In accordance with 40 CFR 63.4312(f), the Permittee shall keep a record of the mass fraction of coating and printing solids for each coating and printing material applied during each compliance period.</p>

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<b>Web Coating and Printing operations:  38-DF, 40-DF,  41-DF, 43-DTP,  44-DTP, 45-DTP,  46-DTP, 52-DF,  53-FAC</b>	47. In accordance with 40 CFR 63.4300(c), for any controlled web coating/printing operation, the Permittee shall develop a written startup, shutdown, and malfunction plan according to the provisions in §63.6(e)(3) for the thermal oxidizer and capture control equipment.
	48. In accordance with 40 CFR 63.4312(j)(1), for any controlled web coating/printing operation, the Permittee shall keep a record for each deviation, of whether the deviation occurred during a period of startup, shutdown, or malfunction.
	49. In accordance with 40 CFR 63.4312(j)(2), for any controlled web coating/printing operation, the Permittee shall keep records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
	50. In accordance with 40 CFR 63.4312(j)(3), for any controlled web coating/printing operation, the Permittee shall keep records required to show continuous compliance with each operating limit specified in Table 2 to this subpart that applies to you.
	51. In accordance with 40 CFR 63.4312(j)(5)(ii), for any controlled web coating/printing operation, the Permittee shall keep records of the mass of TVH emissions captured by the emission capture system as measured by Method 204B or C of appendix M to 40 CFR part 51 at the inlet to the add-on control device, including a copy of the test report. Records of the mass of TVH emissions not captured by the capture system that exited the temporary total enclosure or building enclosure during each capture efficiency test run as measured by Method 204D or E of appendix M to 40 CFR part 51, including a copy of the test report. Records documenting that the enclosure used for the capture efficiency test met the criteria in Method 204 of appendix M to 40 CFR part 51 for either a temporary total enclosure or a building enclosure.
	52. In accordance with 40 CFR 63.4312(j)(6)(i) & (ii), for any controlled web coating/printing operation, the Permittee shall keep records of each add-on control device performance test conducted according to §§63.4360 and 63.4362 including records of the solvent coaters operating conditions during the add-on control device performance test showing that the performance test was conducted under representative operating conditions.
	53. In accordance with 40 CFR 63.4312(j)(7), for any controlled web coating/printing operation, the Permittee shall keep records of the data and calculations used to establish the emission capture and add-on control device operating limits as specified in §63.4363 and to document compliance with the operating limits as specified in Table 2 to this subpart.
<b>EG</b>	54. In accordance with 40 CFR 60.4245(a), the Permittee must keep records of the information in paragraphs (i) through (iii) below. <ul style="list-style-type: none"> <li>i) All notification submitted to comply with this subpart and all documentation supporting any notification.</li> <li>ii) Maintenance conducted on the engine.</li> <li>iii) If stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.</li> </ul>

**Table 5 (continued)**

<b>EU</b>	<b>RECORD KEEPING REQUIREMENTS</b>
<b>EG</b>	55. In accordance with 40 CFR 60.4245(b), the Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.
	56. In accordance with 310 CMR 7.26(42)(f), the Permittee shall maintain records described in 310 CMR 7.26(42)(f)1. through 4. Such records shall be maintained on site or for remote locations, at the closest facility where records can be maintained and shall be made available to the Department or its designee upon request. The owner or operator shall certify that records are accurate and true in accordance with 310 CMR 7.01(2)(a) through (c). 1) Information on equipment type, make and model, and rated power output; and 2) A monthly log of hours of operation, fuel type, heating value and sulfur content for fuel oil. A monthly calculation of the total hours operated in the previous 12 months; and 3) Purchase orders, invoices, and other documents to substantiate information in the monthly log; and 4) Copies of certificates and documents from the manufacturer related to certificates.
<b>Facility-wide</b>	57. In accordance with 310 CMR 7.02(2)(d), the owner or operator of a facility or emission unit that is exempt from plan approval shall keep the following records on-site and up-to-date, such that year-to-date information is readily available for MassDEP examination upon request: a) Documentation of the date of construction, substantial reconstruction or alteration. b) Documentation, including emission calculations, under the specific condition(s) that qualifies the activity for exemption ( <i>e.g.</i> , size threshold, emissions). c) Air pollution control and other equipment performance specifications. d) Verification of the overall efficiency of any air pollution control device adequate to support assumptions of emission control equipment capture efficiency (documentation of permanent enclosures) and destruction/removal efficiency.
	58. In accordance with 40 CFR 63.4312(a), the Permittee shall keep a copy of each notification and report that you submitted to comply with this subpart, and the documentation supporting each notification and report.
	59. In accordance with 40 CFR 63.4312(b), the Permittee shall keep a current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or test data used to determine the mass fraction of organic HAP for coating, printing, slashing, dyeing, finishing, thinning, and cleaning materials; and the mass fraction of solids for coating and printing materials.
	60. In accordance with 40 CFR 63.4312(d), the Permittee shall keep a record of the name and mass of each regulated material applied in the web coating and printing subcategory and the dyeing and finishing subcategory during each compliance period.

**Table 5 (continued)**

EU	RECORD KEEPING REQUIREMENTS
<b>Facility-wide</b>	61. In accordance with 40 CFR 63.4312(e), the Permittee shall keep a record of the mass fraction of organic HAP for each regulated material applied during each compliance period.
	62. In accordance with 40 CFR 63.4312(i), the Permittee shall keep records of the date, time, and duration of each deviation (as defined at §63.4371).
	63. In accordance with 63.4313(a),(b),and (c), the Permittee shall keep records in a form suitable and readily available for expeditious review, according to §63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. The Permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). The Permittee may keep the records off site for the remaining 3 years.
	64. Maintain records of emissions as well as fuel and raw materials used and any other information necessary for the compilation of the annual Source Registration/emission statement in accordance with 310 CMR 7.12.
	65. In accordance with 310 CMR 7.12(3)(b), keep copies of Source Registration/Emission Statement Forms and other information supplied to the MassDEP to comply with 310 CMR 7.12 for five years from the date of submittal.
	66. In accordance with 310 CMR 7.00: Appendix C (10)(b), maintain records of all monitoring data and supporting information on site for a period of at least five (5) years from the date of the monitoring sample, measurement, report or initial operating permit application. Supporting information includes at a minimum, all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by the operating permit, and any other information required to interpret the monitoring data. Records required to be maintained shall include, where applicable: <ul style="list-style-type: none"> <li>a) The date, place as defined in the permit, and the time of sampling or measurements;</li> <li>b) The date(s) analyses were performed;</li> <li>c) The company or entity that performed the analyses;</li> <li>d) The analytical techniques or methods used;</li> <li>e) The results of such analyses; and</li> <li>f) The operating conditions as existing at the time of the sampling or measurement.</li> </ul>
	67. In accordance with 310 CMR 7.71(6)b. and c. retain at the facility for five years and make available to the Department upon request copies of the documentation of the methodology and data used to quantify emissions. <b>(State only requirement)</b>

**Table 5 Key:**

pH	= The symbol for the logarithm of the reciprocal of hydrogen ion concentration in gram atoms per liter, used to express acidity or alkalinity of a solution on a scale of 0 to 14		
AP-42	= Compilation of Air Pollutant Emission Factor		
MassDEP	= Massachusetts Department of Environmental Protection		
EPA	= United States Environmental Protection Agency		
SMOP	= Standard Maintenance and Operating Procedures		
DEP	= Massachusetts Department of Environmental Protection		
BWP-AQ	= Bureau of Waste Prevention – Air Quality		
DTP	= Duro Textile Printing Plant	SI	= Spark Ignition
CFR	= Code of Federal Regulations	CMR	= Code of Massachusetts Regulations
CO	= Carbon Monoxide	O <sub>2</sub>	= Oxygen
DC mA	= Secondary Current in Milliamps	DC kV	= Secondary Voltage in Kilo Volt
PSD	= Prevention of Significant Deterioration	MMBtu	= Million British Thermal Units
e.g.	= for example	H <sub>2</sub> O	= water
%	= percent	ESP	= Electrostatic Precipitator
EU	= Emission Unit	HAP	= Hazardous Air Pollutant
TVH	= Total Volatile Hydrocarbons	VOC	= Volatile Organic Compounds
§	= section	°F	= degree Fahrenheit
No.	= Number	lb	= pound

**Table 6**

EU No.	REPORTING REQUIREMENTS
<b>3-P2 4-P2</b>	<p>1. In accordance with 40 CFR 63.7550(b), for units that are subject only to a requirement to conduct a 5-year tune-up according to §63.7540(a)(12), submit only the 5-year compliance report as specified in paragraphs (i) through (iv) of this section and listed below, instead of a semi-annual compliance report.</p> <p>(i) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in § 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in §63.7495.</p> <p>(ii) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.</p> <p>(iii) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.</p> <p>(iv) Each subsequent compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.</p>
<b>5-DTP</b>	<p>2. In accordance with Plan Approval No. 4B98006, the Regional Bureau of Air and Waste, Permit Chief must be notified<sup>(1)</sup> by telephone or fax as soon as possible after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and a condition of air pollution.</p>

**Table 6**

EU No.	REPORTING REQUIREMENTS
<p><b>3-P2, 4-P2,                      5-DTP, 7-DF                      8-DF, 9-DF,                      12-DTP, 14-DTP,                      15-DTP, 16-DTP</b></p>	<p>3. In accordance with 40 CFR 63.7545(e), for the initial compliance demonstration for each boiler, the Permittee must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60<sup>th</sup> day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (1) through (8) below, <i>as applicable</i>.</p> <p>(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under §241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of §241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.</p> <p>(2) Summary of the results of all performance tests and fuel analyses, and calculations conducted to demonstrate initial compliance including all established operating limits, and including:</p> <ul style="list-style-type: none"> <li>(i) Identification of whether you are complying with the PM emission limit or the alternative TSM emission limit.</li> <li>(ii) Identification of whether you are complying with the output-based emission limits or the heat input-based (i.e., lb/MMBtu or ppm) emission limits.</li> <li>(iii) Identification of whether you are complying the arithmetic mean of all valid hours of data from the previous 30 operating days or of the previous 720 hours. This identification shall be specified separately for each operating parameter.</li> </ul> <p>(3) A summary of the maximum CO emission levels recorded during the performance test to show that you have met an applicable emission standard in Tables 1, 2, or 11 through 13 to this subpart, if you are not using a CO CEMS to demonstrate compliance.</p> <p>(4) Identification of whether you plan to demonstrate compliance with each applicable emission limit through performance testing, a CEMS, or fuel analysis.</p> <p>(5) Identification of whether you plan to demonstrate compliance by emissions averaging and identification of whether you plan to demonstrate compliance by using efficiency credits through energy conservation.</p> <p>(6) A signed certification that the Permittee has met all applicable emission limits and work practice standards.</p> <p>(7) If the Permittee had a deviation from any emission limit, work practices standard, or operating limit, the Permittee must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.</p> <p style="text-align: right;"><i>(continued...)</i></p>

**Table 6 (continued)**

EU No.	REPORTING REQUIREMENTS
<p><b>3-P2, 4-P2,                      5-DTP, 7-DF                      8-DF, 9-DF,                      12-DTP, 14-DTP,                      15-DTP, 16-DTP</b></p>	<p><i>(continued...)</i></p> <p>(8) In addition to the information required in §63.9(h)(2), the Permittee’s notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:</p> <p>(i) <i>“This facility complies with the required initial tune-up according to the procedures in §63.7540(a)(10)(i) through (vi).”</i></p> <p>(ii) <i>“This facility has had an energy assessment performed according to §63.7530(e).”</i></p> <p>(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: <i>“No secondary materials that are solid waste were combusted in any affected unit.”</i></p>
	<p>4. In accordance with 40 CFR 63.7550(c)(1), if a facility is subject to the requirements of a tune up, the Permittee must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section, as listed below.</p> <p>(i) Company and Facility name and address.</p> <p>(ii) Process unit information, emissions limitation, and operating parameter limitations.</p> <p>(iii) Date of report and beginning and ending dates of the reporting period.</p> <p>(iv) The total operating time during the reporting period.</p> <p>(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.</p>
	<p>5. In accordance with 40 CFR 63.7550(h)(3), the Permittee must submit all reports required by Table 9 of this subpart electronically using CEDRI that can be accessed through the EPA’s Central Data Exchange (CDX) (<a href="http://www.epa.gov/cdx">www.epa.gov/cdx</a>). The Permittee must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<a href="http://www.epa.gov/ttn/chief/cedri/index.html">http://www.epa.gov/ttn/chief/cedri/index.html</a>), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due the report, the Permittee must submit the report to the Administrator at the following address, as listed in §63.13. The Permittee must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.</p> <p style="text-align: center;">EPA Region I                      Director                      Office of Ecosystem Protection                      5 Post Office Square – Suite 100                      Boston, MA 02109-3912</p>

**Table 6 (continued)**

EU No.	REPORTING REQUIREMENTS
<p><b>5-DTP</b>  <b>7-DF</b>  <b>8-DF</b>  <b>9-DF</b>  <b>12-DTP</b>  <b>14-DTP</b>  <b>15-DTP</b>  <b>16-DTP</b></p>	<p>6. In accordance with 40 CFR 63.7530(e), the Permittee must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of the facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.</p>
	<p>7. In accordance with 40 CFR 63.7545(f), if the Permittee operates a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to this subpart, and intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of this part, part 60, 61, or 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in § 63.7575, the Permittee must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in § 63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of this section and listed below:</p> <ul style="list-style-type: none"> <li>(1) Company name and address.</li> <li>(2) Identification of the affected unit.</li> <li>(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.</li> <li>(4) Type of alternative fuel that you intend to use.</li> <li>(5) Dates when the alternative fuel use is expected to begin and end.</li> </ul>
	<p>8. In accordance with 40 CFR 63.7550(b), unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), the Permittee must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual tune-up according to §63.7540(a)(10), and not subject to the emission limits or operating limits, the Permittee may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of the section and listed below, instead of a semi-annual compliance report.</p> <ul style="list-style-type: none"> <li>(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.</li> <li>(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.</li> </ul> <p style="text-align: right;"><i>(continued...)</i></p>

**Table 6 (continued)**

EU No.	REPORTING REQUIREMENTS
<b>5-DTP</b> <b>7-DF</b> <b>8-DF</b> <b>9-DF</b> <b>12-DTP</b> <b>14-DTP</b> <b>15-DTP</b> <b>16-DTP</b>	<p><i>(continued...)</i></p> <p>(3) Each subsequent semi-annual compliance reports must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.</p> <p>(4) Each subsequent semi-annual compliance reports must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.</p>
<b>12-DTP</b>	<p>10. In accordance with Plan Approval No. 4B93089, The Regional Bureau of Air and Waste, Permit Chief must be notified <sup>(1)</sup> by telephone or fax as soon as possible after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and a condition of air pollution</p>
<b>16-DTP</b>	<p>11. In accordance with Plan Approval No. 4B94184, the Regional Bureau of Air and Waste, Permit Chief, must be notified <sup>(1)</sup> by telephone or fax, as soon as possible, after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and/ or a condition of air pollution.</p>
<b>17-DF</b>	<p>12. In accordance with Plan Approval No. 4P01011, the Regional Bureau of Air and Waste, Permit Chief, must be notified <sup>(1)</sup> by telephone or fax, as soon as possible, after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and/ or a condition of air pollution.</p>
<b>19-DF</b>	<p>13. In accordance with Plan Approval No. 4B96102, the Regional Bureau of Air and Waste, Permit Chief, must be notified <sup>(1)</sup> by telephone or fax, as soon as possible, after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and/ or a condition of air pollution.</p>
<b>31-DF, 33-DF,</b> <b>34-DF, 36-DF,</b> <b>38-DF, 39-DF,</b> <b>40-DF, 41-DF,</b> <b>52-DF</b>	<p>14. In accordance with Plan approval No. 4P07024, the MassDEP must be notified by telephone, or fax within twenty-four (24) hours, and with written notification within ten (10) days, after the occurrence of any upset or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment that result in an excess emission to the air and/or a condition of air pollution.</p>
<b>43-DTP, 44-DTP,</b> <b>45-DTP, 46-DTP</b>	<p>15. In accordance with Plan Approval No. SM-85-168-IF, submit, on a quarterly basis, data to demonstrate compliance with the VOC usage and emission limits described in Plan Approval No. SM-85-168-IF. These quarterly reports are due on the fifteenth day of the month following the end of the quarter. A day is defined as the twenty-four hour period from midnight to midnight of the following day.</p>

**Table 6 (continued)**

EU No.	REPORTING REQUIREMENTS
<b>43-DTP, 44-DTP,  45-DTP, 46-DTP,  48-DTP, 49-DTP,  50-DTP</b>	16. In accordance with Plan Approval No. 4P11013, the MassDEP Compliance/Enforcement Chief for the Bureau of Air and Waste, Southeast Regional Office, must be notified by telephone, or by fax within twenty-four (24) hours, and with written notification within ten (10) days, after the occurrence of any upsets or malfunctions to the Facility equipment, air pollution control equipment, or monitoring equipment that result in an excess emission to the air and/or a condition of air pollution.
<b>Web Coating and  Printing operations:  38-DF, 40-DF,  41-DF, 43-DTP,  44-DTP, 45-DTP,  46-DTP, 52-DF,  53-FAC</b>	17. In accordance with 40 CFR 63.4311(a)(7), 63.4341(b), and 63.4342(b), if there was a deviation from an emission limitation, the semiannual compliance report must contain the information in paragraphs (a)(7)(i) through (xv) of §63.4311(a)(7). This includes periods of startup, shutdown, and malfunction during which deviations occurred.  18. In accordance with 40 CFR 63.4342(c), the Permittee must demonstrate continuous compliance with each operating limit required by §63.4292 that applies to the facility, as specified in Table 2 to this subpart. (1) If an operating parameter is out of the allowed range specified in Table 2 to this subpart, this is a deviation from the operating limit that must be reported as specified in §§63.4310(c)(6) and 63.4311(a)(7). (2) If an operating parameter deviates from the operating limit specified in Table 2 to this subpart, then you must assume that the emission capture system and add-on control device were achieving zero efficiency during the time period of the deviation.  19. In accordance with 40 CFR 63 Subpart OOOO, Table 2, the Permittee must submit a monitoring plan to the Administrator that identifies operating parameters to be monitored according to §63.4364(e).  20. In accordance with 40 CFR 63.4311(b), the Permittee must submit reports of performance test results for emission capture systems and add-on control devices no later than 60 days after completing the tests as specified in §63.10(d)(2).  21. In accordance with 40 CFR 63.4311(c), the Permittee must submit startup, shutdown, and malfunction reports specified in paragraphs (c)(1) and (2) of this section, as listed below. (1) If your actions were consistent with your startup, shutdown, and malfunction plan, you must include the information specified in §63.10(d) in the semiannual compliance report. (2) If your actions were not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report as described in paragraphs (c)(2)(i) and (ii) of this section as required by paragraph (a) of this section.
<b>Facility-wide</b>	22. In accordance with 40 CFR 63.4311(a)(1)(ii), 63.4311(a)(1) (iii), 63.4311(a)(3), 63.4332(c), & 63.4342(f), the Permittee must submit semiannual compliance reports covering the semiannual reporting periods from January 1 through June 30 and July 1 through December 31. Each semiannual compliance report must be postmarked no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. The required semiannual compliance report content is identified at §63.4311(a)(3) in addition to §63.4311(a)(4), §63.4311(a)(6), §63.4311(a)(7) and §63.4311(c)(1), as applicable.  23. In accordance with 40 CFR 63.4311(a)(2), the Permittee shall submit a semiannual compliance report for each affected source along with, or as part of, the Semi-Annual Monitoring Summary Report and Certification required at Section 10 of this Operating Permit.

**Table 6 (continued)**

EU No.	REPORTING REQUIREMENTS
<p><b>Facility-wide</b></p>	<p>24. In accordance with 63.4311(a)(4), if there were no deviations from the emission limitations in Table 1 to Subpart OOOO of Part 63 and §§63.4292, and 63.4293 that apply to you, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. If there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in §63.8(c)(7), the semiannual compliance report must include a statement that there were no periods during which the CPMS were out-of-control during the reporting period.</p>
	<p>25. In accordance with 40 CFR 63.9(j), any change in the information already provided under this section shall be provided to the Administrator in writing within 15 calendar days after the change.</p>
	<p>26. In accordance with 310 CMR 7.12, submit annually information pertinent to the nature and amounts of emissions on forms provided by the MassDEP, and in addition, ensure that the facility is available for inspection by MassDEP and /or U.S. EPA personnel at any reasonable time.</p>
	<p>27. In accordance with 310 CMR 7.13, if determined by the MassDEP that stack testing is necessary to ascertain compliance with the MassDEP's regulations, the Permittee shall cause such stack testing to be summarized and submitted to the MassDEP as prescribed in the agreed-to test protocol.</p>
	<p>28. In accordance with 310 CMR 7.00 Appendix C (10)(f), promptly report<sup>(1)</sup> to the MassDEP all instances of deviations from permit requirements. This report shall include the deviation itself, including those attributable to upset conditions as defined in the permit, the probable cause of the deviation, and any corrective actions or preventive measures taken.</p>
	<p>29. In accordance with 310 CMR 7.00: Appendix C (10)(a), any record relevant to the operating permit or to the emissions of any air contaminant from the facility shall be submitted to the MassDEP within 30 days of the request by the MassDEP or within a longer period, if approved in writing by the MassDEP, and shall be transmitted on paper, on computer disk, or electronically at the discretion of the MassDEP.</p>
	<p>30. All MassDEP notifications<sup>(1)</sup> and reporting<sup>(2)</sup> required by this Operating Permit shall be made to the attention of:</p> <p style="padding-left: 40px;">       Department of Environmental Protection        Bureau of Air and Waste        Southeast Regional Office        20 Riverside Drive        Lakeville, MA 02347        ATTN: Chief, Permit Section        Telephone: (508) 946-2770        Fax: (508) 947-6557     </p>
<p>31. In accordance with 310 CMR 7.00, Appendix C (10)(a), the Permittee, upon the MassDEP's request shall transmit any record relevant to the Operating Permit within 30 days of the request by the MassDEP or within a longer time period if approved in writing by the MassDEP. The record shall be transmitted on paper, on computer disk, or electronically at the discretion of the MassDEP.</p>	

**Table 6 (continued)**

EU No.	REPORTING REQUIREMENTS
<b>Facility-wide</b>	32. In accordance with 310 CMR 7.00, Appendix C (10)(c), report a summary of all monitoring data and related supporting information to the MassDEP at least every six months as indicated in Section 10 of this permit.
	33. Submit a Source Registration/Emission Statement Form to MassDEP on an annual basis as required by 310 CMR 7.12.
	34. In accordance with 310 CMR 7.13(1) and 7.13(2), if determined by the Department that stack testing is necessary to ascertain compliance with the Department’s regulations or design approval provisos shall cause such stack testing to be summarized and submitted to the Department as prescribed in the agreed to pretest protocol.
	35. In accordance with 310 CMR 7.00: Appendix C(10)(c). the Permittee shall report a summary of all monitoring data and related supporting information to MassDEP at least every six months (January 30 and July 30 of each calendar year).
	36. Submit Annual Compliance report to MassDEP and EPA by January 30 of each year and as required by General Condition 10 of this Permit.
	37. In accordance with 310 CMR 7.71(5), by April 15 <sup>th</sup> , 2010 and April 15 <sup>th</sup> of each year thereafter report emissions of greenhouse gases from stationary emissions sources including, but not limited to, emissions from factory stacks, manufacturing processes and vents, fugitive emissions, and other process emissions; and owned or leased motor vehicles when stationary source greenhouse gas emissions are greater than 5,000 short tons CO <sub>2</sub> e. Report greenhouse gas emissions electronically in a format that can be accommodated by the registry. <b>(State only requirement)</b>
	38. In accordance with 310 CMR 7.71(6), certify greenhouse gas emissions reports using a form provided by the Department or the registry. <b>(State only requirement)</b>
	39. In accordance with 310 CMR 7.71(7), by December 31 <sup>st</sup> of the applicable year submit to the Department documentation of triennial verification of the greenhouse gas emissions report. <b>(State only requirement)</b>

**Table 6 Key:**

CEDRI	= Compliance and Emission Data Reporting Interface		
Department	= Massachusetts Department of Environmental Protection		
EU	= Emission Unit	CDX	= Central Data Exchange
CFR	= Code of Federal Regulations	CMR	= Code of Massachusetts Regulations
EPA	= United States Environmental Protection Agency	VOC	= Volatile Organic Compounds
US-EPA	= United States Environmental Protection Agency	CO <sub>2</sub> e	= Carbon dioxide equivalent
CPMS	= Continuous Parameter Metering System	§	= section

**Table 6 Notes:**

1. Unless otherwise indicated all notifications shall be made in accordance with the time frames stated in Section 25 of this Operating Permit.
2. The annual Source Registration/Emission Statement shall be submitted to the DEP Office specified in the instructions.

**C. GENERAL APPLICABLE REQUIREMENTS**

The Permittee shall comply with all generally applicable requirements contained in 310 CMR 7.00 et. seq. and 310 CMR 8.00 et. seq., when subject.

**D. REQUIREMENTS NOT CURRENTLY APPLICABLE**

The Permittee is currently not subject to the following requirements:

<b>Table 7</b>	
<b>REGULATION</b>	<b>DESCRIPTION/REASON</b>
310 CMR 7.16 Reduction of Single Occupant Commuter Vehicle Use	The facility employs less than 250 employees.

**Table 7 Key:**

CMR = Code of Massachusetts Regulations

**5. SPECIAL TERMS AND CONDITIONS**

The Permittee is subject to and shall comply with the following special terms and conditions that are not contained in Table 3, 4, 5, and 6:

<b>Table 8</b>	
<b>EU</b>	<b>Special Terms and Conditions</b>
<b>3-P2, 4-P2, 5-DTP, 7-DF, 8-DF, 9-DF</b>	1. In accordance with 310 CMR 7.19(6)(a), tune the boiler(s) annually according to the tune-up procedure listed in 310 CMR 7.19(6)(a) 1. through 12., and based on <i>Combustion Efficiency Optimization Manual for Operators of Oil and Gas fired Boilers</i> (EPA 340/1-83-023).
<b>16-DTP</b>	2. In accordance with Plan Approval No. 4B94184, place the appropriate identifying number on the boiler stack for the boiler. All numerals shall be large enough to provide easy external identification of the stack for compliance purposes.

<b>Table 8 (continued)</b>	
<b>EU</b>	<b>Special Terms and Conditions</b>
<b>17-DF</b>	3. In accordance with Plan Approval No. 4P01011, the Permittee shall take any and all measures necessary to insure that the operation of tenter frames #3 & #6 shall not result in visible emissions (i.e. zero percent opacity) exclusive of uncombined water vapor. These measures may include shutdown of the affected equipment while corrective actions are being employed.
<b>41-DF 50-DTP</b>	4. In accordance with Plan Approval Nos. 4P95001 and 4P94097, place identifying numbers on each stack and all numerals shall be large enough to provide easy external identification of each stack for compliance purposes
<b>38-DF</b>	<p>5. In accordance with Plan Approval No. 4P07024, the Permittee shall operate the Coater Thermal Oxidizer in accordance with the Solvent Coaters Standard Operating Procedures and approved application and at all times while conducting coating operations on Coater No. 1, Coater No. 2, and /or Coater No. 3 (EU# 38-DF). When applying coatings that exceed 0.12 lbs of VOC/HAP per pound of solids, as applied, on any one of the lines the operating line selector switch shall be in the "SOLVENT" position for Coater 3 and Coater 1 and 2. When these 2 switches are in the "SOLVENT" setting, the lines are interlocked with the oxidizer such that the lines will be shut down if the oxidizer temperature falls below 1400°F. When applying coatings that do not exceed 0.12 lbs of VOC/HAP per pound of solids, as applied, the operating line selector switch shall be in the "AQUEOUS" position for Coater 3 and for Coater 1 and 2. When these 2 switches are in the "AQUEOUS" setting, the low temperature interlock with the oxidizer will be deactivated.</p> <p>6. In accordance with the Plan Approval No. 4P07024, maintain VOC fume concentration in the Coater Thermal Oxidizer controlling the exhaust of Coater No. 1, Coater No.2, and/or Coater No. 3 (EU#38-DF), as measured by the oven Lower Explosive Limit (LEL) monitors, at &lt;50% of the LEL. Under emergency situation where VOC fume concentration reaches 50% of the LEL, the substrate coating will cease, hot air oven supply dampers will close and ambient air damper (tempering air) will provide dilution air to the oven.</p>
<b>30-FAC</b>	<p>7. In accordance with 310 CMR 7.18(8)(a), no person owning, operating, leasing or controlling any solvent metal degreasing facility which utilizes a cold cleaning degreaser shall cause, suffer, allow or permit emissions of volatile organic compounds therefrom unless they comply with either 310 CMR 7.18(8)(a)1. through 310 CMR 7.18(8)(a)3.</p> <p>In accordance with 310 CMR 7.18(8)(e), any person subject to 310 CMR 7.18(8)(a) shall operate any solvent metal degreaser using procedures which minimize evaporative emissions and prohibit spills from the use of said degreaser. Such procedures include but are not limited to:</p> <ol style="list-style-type: none"> <li>1. notification to operators of the performance requirements that must be practiced in the operation of the degreaser, including the permanent and conspicuous posting of labels in the vicinity of the degreaser detailing performance requirements; and</li> <li>2. storage of waste degreasing solvent in closed containers, and disposal or transfer of waste degreasing solvent to another party, in a manner such that less than 20% of the waste degreasing solvent by weight can evaporate into the atmosphere; and</li> <li>3. Where applicable, supplying a degreasing solvent spray which is a continuous fluid stream (not a fine, atomized or shower type spray) at a pressure which does not exceed 10 PSI as measured at the pump outlet, and use any such spray within the confines of the degreaser.</li> </ol>

**Table 8 (continued)**

EU	Special Terms and Conditions																																			
<p><b>38-DF</b> (Coaters 1, 2 &amp;3)</p> <p><b>52-FAC</b> (Mix Room)</p>	<p>8. Daily records of Methyl Ethyl Ketone (MEK) or other VOC (non-HAP) containing solvent used for cleaning operations for incorporation into the total amount of Methyl Ethyl Ketone (MEK) or other VOC (non-HAP) containing solvent used for cleaning operations on the subject equipment on a monthly and consecutive 12-month period. The Permittee may reconcile MEK and/or other VOC (non-HAP) contained in any waste shipped during the month when determining monthly usage/emissions. The facility shall maintain beginning and end of year inventory records, waste disposal records, and purchase records for MEK and/or other VOC (non-HAP) containing material, such that the MassDEP may check these for consistency with plant logs. Such records shall verify the MEK and/or other VOC (non-HAP) content, and quantity present, in the waste being shipped if reconciling monthly emissions.</p>																																			
<p><b>EG</b></p>	<p>9. In accordance with 310 CMR 7.26(42)(b)1, the Permittee shall obtain from the supplier a statement that a certificate of conformity has been obtained from the Administrator pursuant to 40 CFR 89.105 as in effect October 23, 1998. Any engine certified under the US EPA non-road standards is automatically certified to operate as an emergency engine pursuant to 310 CMR 7.26(42). For units that burn natural gas exclusively, a letter or other documentation from the supplier stating that the engine meets the applicable non-road emission limitation will satisfy the certificate of conformity requirement.</p>																																			
<p><b>31-DF, 33-DF, 34-DF, 36-DF, 39-DF, 40-DF, 41-DF, 43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP, 50-DTP, 52-DF, 53-FAC</b></p>	<p>10. Emission Units are subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provision" [as indicated in Table 3 to Subpart OOOO of 40 CFR 63]. Compliance with all applicable provisions therein is required.</p>																																			
<p><b>3-P2, 4-P2, 5-DTP, 7-DF, 8-DF, 9-DF, 12-DTP, 14-DTP, 15-DTP, 16-DTP</b></p>	<p>11. Emission Units are subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provision" [as indicated in Table 10 to Subpart DDDDD of 40 CFR 63]. Compliance with all applicable provisions therein is required.</p>																																			
<p><b>Facility-wide</b></p>	<p>12. The Emission Units shall continue to emit through the stack parameters as listed below:</p> <table border="1" data-bbox="391 1472 1479 1787"> <thead> <tr> <th colspan="7">Emission Unit Stack Parameters</th> </tr> <tr> <th>Emission Unit</th> <th>Stack Number</th> <th>Stack Height (feet)</th> <th>Stack Diameter (inches)</th> <th>Exit Velocity (fps)</th> <th>Exit Temperature</th> <th>Stack Material</th> </tr> </thead> <tbody> <tr> <td>2-P2, 4-P2</td> <td>35</td> <td>162.7</td> <td>48</td> <td>2.1 to 34</td> <td>to 410°F</td> <td>Masonry</td> </tr> <tr> <td>5-DTP</td> <td>29</td> <td>58</td> <td>24</td> <td>8.4 to 136</td> <td>to 410°F</td> <td>Steel</td> </tr> <tr> <td>6-DF, 7-DF, 8-DF, 9-DF</td> <td>000</td> <td>192</td> <td>32</td> <td>up to 63.2</td> <td>285 to 370°F</td> <td>Gunitite</td> </tr> </tbody> </table> <p style="text-align: right;"><i>(continued...)</i></p>	Emission Unit Stack Parameters							Emission Unit	Stack Number	Stack Height (feet)	Stack Diameter (inches)	Exit Velocity (fps)	Exit Temperature	Stack Material	2-P2, 4-P2	35	162.7	48	2.1 to 34	to 410°F	Masonry	5-DTP	29	58	24	8.4 to 136	to 410°F	Steel	6-DF, 7-DF, 8-DF, 9-DF	000	192	32	up to 63.2	285 to 370°F	Gunitite
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**Table 8 (continued)**

EU	Special Terms and Conditions						
<p style="text-align: center;"><b>Facility-wide</b></p>	(continued...)						
	<b>Emission Unit Stack Parameters</b>						
	<b>Emission Unit</b>	<b>Stack Number</b>	<b>Stack Height (feet)</b>	<b>Stack Diameter (inches)</b>	<b>Exit Velocity (fps)</b>	<b>Exit Temperature</b>	<b>Stack Material</b>
	12-DTP, 14-DTP, 15-DTP, 16-DTP	27	130	60	6.2	450°F	Brick
	17-DF, 33-DF, 36-DF	10A	50	24	Up to 68	300 to 500°F	Steel
	19-DF, 34-DF	15	50	24	Up to 68	300 to 500°F	Steel
	31-DF	5, 6	25	21 (square)	Up to 23.3	200 to 300°F	Steel
	38-DF	18	35	46	Up to 16.7	To 1,400°F	Steel
	40-DF	17	35	26	Up to 33.3	200 to 300°F	Steel
	41-DF	44	35	18 x 18 (44)	Up to 25	200 to 300°F	Steel
	43-DTP, 44-DTP, 45-DTP	33	58	36 x 40	12.5 to 44.5	100 to 120°F	Steel
	46-DTP, 48-DTP, 49-DTP, 50-DTP	34	52	53 x 69	5.3 to 21.3	100 to 120°F	Steel
	EG	EG	14	3	20 to 187	800 to 1,100°F	Steel
<p>13. In accordance with 4P07024, the Permittee shall continue to investigate pollution prevention, which includes the feasibility of implementing alternative technologies or reformulated raw material inputs, including but not limited to, coatings which will lead to the decrease of overall emissions from the subject facility to the environment (air emissions, solvent waste, etc.). The facility shall record any information supplied to them relative to reducing overall emissions and pollution prevention techniques. This information as well as any progress toward decreasing overall emissions to the environment shall be recorded in an Environmental Logbook, or similar recordkeeping system.</p>							

**Table 8 Key:**

- |                |   |     |                         |
|----------------|---|-----|-------------------------|
| CMR            | = Code of Massachusetts Regulations             |     |                         |
| CFR            | = Code of Federal Regulations                   |     |                         |
| EPA / U.S. EPA | = United States Environmental Protection Agency |     |                         |
| U.S.C.         | = United States Code                            |     |                         |
| EU             | = Emission Unit                                 | LEL | = Lower Explosive Limit |
| psi            | = pound per square inch                         | fps | = feet per second       |

**Table 8 Key (continued):**

MEK	= Methyl Ethyl Ketone	HAP	= Hazardous Air Pollutants
VOC	= Volatile Organic Compounds	lbs	= pounds
%	= percent	#	= number
<	= less than	&	= and
i.e.	= that is	°F	= degree Fahrenheit

## **6. ALTERNATIVE OPERATING SCENARIOS**

The Permittee did not request alternative operating scenarios in its operating permit application.

## **7. EMISSIONS TRADING**

### **A. INTRA-FACILITY EMISSION TRADING**

The Permittee did not request intra-facility emissions trading in its operating permit application.

### **B. INTER-FACILITY EMISSION TRADING**

The Permittee did not request inter-facility emissions trading in its operating permit application.

## **8. COMPLIANCE SCHEDULE**

The Permittee has indicated that the facility is in compliance and shall remain in compliance with the applicable requirements contained in Sections 4 and 5.

In addition, the Permittee shall comply with any applicable requirements that become effective during the permit term.

## **GENERAL CONDITIONS FOR OPERATING PERMIT**

### **9. FEES**

The Permittee has paid the permit application processing fee and shall pay the annual compliance fee in accordance with the fee schedule pursuant to 310 CMR 4.00.

### **10. COMPLIANCE CERTIFICATION**

All documents submitted to the MassDEP shall contain certification by the responsible official of truth, accuracy, and completeness. Such certification shall be in compliance with 310 CMR 7.01(2) and contain the following language:

"I certify that I have personally examined the foregoing and am familiar with the information contained in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment."

The "Operating Permit Reporting Kit" contains instructions and the Annual Compliance Report and Certification and the Semi-Annual Monitoring Summary Report and Certification. The "Operating Permit Reporting Kit" is available to the Permittee via the MassDEP's web site, <http://www.mass.gov/dep/air/approvals/aqforms.htm#op>.

#### **A. Annual Compliance Report and Certification**

The Responsible Official shall certify, annually for the calendar year, that the facility is in compliance with the requirements of this Operating Permit. The report shall be postmarked or delivered by January 30 to the MassDEP and to the Air Compliance Clerk, U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- 1) the terms and conditions of the Permit that are the basis of the certification;
- 2) the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- 3) the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
- 4) any additional information required by the MassDEP to determine the compliance status of the source.

## **B. Semi-Annual Monitoring Summary Report and Certification**

The Responsible Official shall certify, semi-annually on the calendar year, that the facility is in compliance with the requirements of this Permit. The report shall be postmarked or delivered by January 30 and July 30 to the MassDEP. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- 1) the terms and conditions of the Permit that are the basis of the certification;
- 2) the current compliance status during the reporting period;
- 3) the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;
- 4) whether there were any deviations during the reporting period;
- 5) if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
- 6) whether deviations in the reporting period were previously reported;
- 7) if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
- 8) if the deviations in the reporting period have returned to compliance and date of such return to compliance; and
- 9) any additional information required by the MassDEP to determine the compliance status of the source.

## **11. NONCOMPLIANCE**

Any noncompliance with a permit condition constitutes a violation of 310 CMR 7.00: Appendix C and the Clean Air Act, and is grounds for enforcement action, for Permit termination or revocation, or for denial of an Operating Permit renewal application by the MassDEP and/or EPA. Noncompliance may also be grounds for assessment of administrative or civil penalties under M.G.L. c.21A, §16 and 310 CMR 5.00; and civil penalties under M.G.L. c.111, §142A and 142B. This Permit does not relieve the Permittee from the obligation to comply with any other provisions of 310 CMR 7.00 or the Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this Permit.

## **12. PERMIT SHIELD**

- A. This facility has a permit shield provided that it operates in compliance with the terms and conditions of this Permit. Compliance with the terms and conditions of this Permit shall be deemed compliance with all applicable requirements specifically identified in Sections 4, 5, 6, and 7, for the emission units as described in the Permittee's application and as identified in this Permit.

Where there is a conflict between the terms and conditions of this Permit and any earlier approval or Permit, the terms and conditions of this Permit control.

B. The MassDEP has determined that the Permittee is not currently subject to the requirements listed in Section 4, Table 7.

C. Nothing in this Permit shall alter or affect the following:

- 1) the liability of the source for any violation of applicable requirements prior to or at the time of Permit issuance.
- 2) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or
- 3) the ability of EPA to obtain information under 42 U.S.C. §7401, §114 or §303 of the Act.

### **13. ENFORCEMENT**

The following regulations found at 310 CMR 7.02(8)(h) Table 6 for wood fuel, 7.04(9), 7.05(8), 7.09 (odor), 7.10 (noise), 7.18(1)(b), 7.21, 7.22, 7.70 and any condition(s) designated as "state only" are not federally enforceable because they are not required under the Act or under any of its applicable requirements. These regulations and conditions are not enforceable by the EPA. Citizens may seek equitable or declaratory relief to enforce these regulations and conditions pursuant to Massachusetts General Law Chapter 214, Section 7A

All other terms and conditions contained in this Permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the MassDEP, EPA and citizens as defined under the Act.

A Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

### **14. PERMIT TERM**

This Permit shall expire on the date specified on the cover page of this Permit, which shall not be later than the date 5 years after issuance of this Permit.

Permit expiration terminates the Permittee's right to operate the facility's emission units, control equipment or associated equipment covered by this Permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

### **15. PERMIT RENEWAL**

Upon the MassDEP's receipt of a complete and timely application for renewal, this facility may continue to operate subject to final action by the MassDEP on the renewal application.

In the event the MassDEP has not taken final action on the Operating Permit renewal application prior to this Permit's expiration date, this Permit shall remain in effect until the MassDEP takes final action on the renewal application, provided that a timely and complete renewal application has been submitted in accordance with 310 CMR 7.00: Appendix C(13).

## **16. REOPENING FOR CAUSE**

This Permit may be modified, revoked, reopened, and reissued, or terminated for cause by the MassDEP and/or EPA. The responsible official of the facility may request that the MassDEP terminate the facility's Operating Permit for cause. The MassDEP will reopen and amend this Permit in accordance with the conditions and procedures under 310 CMR 7.00: Appendix C(14).

The filing of a request by the Permittee for an Operating Permit revision, revocation and reissuance, or termination, or a notification of a planned change or anticipated noncompliance does not stay any Operating Permit condition.

## **17. DUTY TO PROVIDE INFORMATION**

Upon the MassDEP's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall furnish to the MassDEP copies of records that the Permittee is required to retain by this Permit.

## **18. DUTY TO SUPPLEMENT**

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a complete renewal application was submitted but prior to release of a draft permit.

The Permittee shall promptly, on discovery, report to the MassDEP a material error or omission in any records, reports, plans, or other documents previously provided to the MassDEP.

## **19. TRANSFER OF OWNERSHIP OR OPERATION**

This Permit is not transferable by the Permittee unless done in accordance with 310 CMR 7.00: Appendix C(8)(a). A change in ownership or operation control is considered an administrative permit amendment if no other change in the Permit is necessary and provided that a written agreement containing a specific date for transfer of Permit responsibility, coverage and liability between current and new Permittee, has been submitted to the MassDEP.

## **20. PROPERTY RIGHTS**

This Permit does not convey any property rights of any sort, or any exclusive privilege.

## **21. INSPECTION AND ENTRY**

Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the MassDEP, and EPA to perform the following:

- A. enter upon the Permittee's premises where an operating permit source activity is located or emissions-related activity is conducted, or where records must be kept under the conditions of this Permit;
- B. have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- C. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and
- D. Sample or monitor at reasonable times any substances or parameters for the purpose of assuring compliance with the Operating Permit or applicable requirements as per 310 CMR 7.00 Appendix C(3)(g)(12).

## **22. PERMIT AVAILABILITY**

The Permittee shall have available at the facility, at all times, a copy of the materials listed under 310 CMR 7.00: Appendix C(10)(e) and shall provide a copy of the Operating Permit, including any amendments or attachments thereto, upon request by the MassDEP or EPA.

## **23. SEVERABILITY CLAUSE**

The provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not be affected thereby.

## **24. EMERGENCY CONDITIONS**

The Permittee shall be shielded from enforcement action brought for noncompliance with technology based<sup>2</sup> emission limitations specified in this Permit as a result of an emergency<sup>3</sup>. In order to use emergency as an

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<sup>2</sup> Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

<sup>3</sup> An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation,

affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. an emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- B. the permitted facility was at the time being properly operated;
- C. during the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this Permit; and
- D. the Permittee submitted notice of the emergency to the MassDEP within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

If an emergency episode requires immediate notification to the Bureau of Waste Site Cleanup/Emergency Response, immediate notification to the appropriate parties should be made as required by law.

## **25. PERMIT DEVIATION**

Deviations are instances where any permit condition is violated and not reported as an emergency pursuant to section 24 of this Permit. Reporting a permit deviation is not an affirmative defense for action brought for noncompliance. Any reporting requirements listed in Table 6 of this Operating Permit shall supersede the following deviation reporting requirements, if applicable.

The Permittee shall report to the MassDEP's Regional Bureau of Air and Waste the following deviations from permit requirements, by telephone, by fax or by electronic mail (e-mail), within three (3) days of discovery of such deviation:

- A. Unpermitted pollutant releases, excess emissions or opacity exceedances measured directly by CEMS/COMS, by EPA reference methods or by other credible evidence, which are ten percent (10%) or more above the emission limit.
- B. Exceedances of parameter limits established by your Operating Permit or other approvals, where the parameter limit is identified by the Permit or approval as surrogate for an emission limit.
- C. Exceedances of Permit operational limitations directly correlated to excess emissions.
- D. Failure to capture valid emissions or opacity monitoring data or to maintain monitoring equipment as required by statutes, regulations, your Operating Permit, or other approvals.
- E. Failure to perform QA/QC measures as required by your Operating Permit or other approvals for instruments that directly monitor compliance.

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and that causes the source to exceed a technology based limitation under the Permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

For all other deviations, three (3) day notification is waived and is satisfied by the documentation required in the subsequent Semi-Annual Monitoring Summary and Certification. Instructions and forms for reporting deviations are found in the MassDEP Bureau of Air and Waste Air Operating Permit Reporting Kit, which is available to the Permittee via the MassDEP's web site, <http://www.mass.gov/dep/air/approvals/aqforms.htm#op>.

This report shall include the deviation, including those attributable to upset conditions as defined in the Permit, the probable cause of such deviations, and the corrective actions or preventative measures taken.

Deviations that were reported by telephone, fax or electronic mail (e-mail) within 3 days of discovery, said deviations shall also be submitted in writing via the Operating Permit Deviation Report to the regional Bureau of Air and Waste within ten (10) days of discovery. For deviations, which do not require 3-day verbal notification, follow-up reporting requirements are satisfied by the documentation required in the aforementioned Semi-Annual Monitoring Summary and Certification.

## **26. OPERATIONAL FLEXIBILITY**

The Permittee is allowed to make changes at the facility consistent with 42 U.S.C. §7401, §502(b)(10) not specifically prohibited by the Permit and in compliance with all applicable requirements provided the Permittee gives the EPA and the MassDEP written notice fifteen days prior to said change; notification is not required for exempt activities listed at 310 CMR 7.00: Appendix C(5)(h) and (i). The notice shall comply with the requirements stated at 310 CMR 7.00: Appendix C(7)(a) and will be appended to the facility's Permit. The permit shield allowed for at 310 CMR 7.00: Appendix C(12) shall not apply to these changes.

## **27. MODIFICATIONS**

- A. Administrative Amendments - The Permittee may make changes at the facility which are considered administrative amendments pursuant to 310 CMR 7.00: Appendix C(8)(a)1., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(b).
- B. Minor Modifications - The Permittee may make changes at the facility which are considered minor modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)2., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(d).
- C. Significant Modifications - The Permittee may make changes at the facility which are considered significant modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)3., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(c).
- D. No permit revision shall be required, under any approved economic incentives program, marketable permits program, emission trading program and other similar programs or processes, for changes that are provided in this Operating Permit. A revision to the Permit is not required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program under Title IV of the Act, provided that such increases do not require an Operating Permit revision under any other applicable requirement.

## **28. OZONE DEPLETING SUBSTANCES**

This section contains air pollution control requirements that are applicable to this facility, and the United States Environmental Protection Agency enforces these requirements.

- A. The Permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
- 1) All containers containing a class I or class II substance that is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to 40 CFR 82.106.
  - 2) The placement of the required warning statement must comply with the requirements of 40 CFR 82.108.
  - 3) The form of the label bearing the required warning statement must comply with the requirements of 40 CFR 82.110.
  - 4) No person may modify, remove or interfere with the required warning statement except as described in 40 CFR 82.112.
- B. The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVAC) in Subpart B:
- 1) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices of 40 CFR 82.156.
  - 2) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment of 40 CFR 82.158.
  - 3) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - 4) Persons disposing of small appliances, MVACs and MVAC-like appliances (as defined in 40 CFR 82.152) must comply with recordkeeping requirements of 40 CFR 82.166.
  - 5) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair equipment requirements of 40 CFR 82.156.
  - 6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- C. If the Permittee manufactures, transforms, imports or exports a class I or class II substance, the Permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, "Production and Consumption Controls".
- D. If the Permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, "Servicing of Motor Vehicle Air Conditioners". The term "motor

vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo or system used on passenger buses using HCFC-22 refrigerant.

- E. The Permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, "Significant New Alternatives Policy Program".

## **29. PREVENTION OF ACCIDENTAL RELEASES**

This section contains air pollution control requirements that are applicable to this facility, and the United States Environmental Protection Agency enforces these requirements.

Your facility is subject to the requirements of the General Duty Clause, under 112(r)(1) of the CAA Amendments of 1990. This clause specifies that owners or operators of stationary sources producing, processing, handling or storing a chemical in any quantity listed in 40 CFR Part 68 or any other extremely hazardous substance have a general duty to identify hazards associated with these substances and to design, operate and maintain a safe facility, in order to prevent releases and to minimize the consequences of accidental releases which may occur.

## **APPEAL CONDITIONS FOR OPERATING PERMIT**

This Permit is an action of the MassDEP. If you are aggrieved by this action, you may request an adjudicatory hearing within 21 days of issuance of this Permit. In addition, any person who participates in any public participation process required by the Federal Clean Air Act, 42 U.S.C. §7401, §502(b)(6) or under 310 CMR 7.00: Appendix C(6), with respect to the MassDEP's final action on operating permits governing air emissions, and who has standing to sue with respect to the matter pursuant to federal constitutional law, may initiate an adjudicatory hearing pursuant to Chapter 30A, and may obtain judicial review, pursuant to Chapter 30A, of a final decision therein.

If an adjudicatory hearing is requested, the facility must continue to comply with all existing federal and state applicable requirements to which the facility is currently subject, until a final decision is issued in the case or the appeal is withdrawn. During this period, the application shield shall remain in effect, and the facility shall not be in violation of the Act for operating without a Permit.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the Permit is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to The Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

The Commonwealth of Massachusetts  
Department of Environmental Protection  
P.O. Box 4062  
Boston, MA 02211

The request will be dismissed if the filing fee is not paid unless the appellant is exempt or granted a waiver as described below.

The filing fee is not required if the appellant is a city or town (or municipal agency) county, or district of the Commonwealth of Massachusetts, or a municipal housing authority.

The MassDEP may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.