



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

DEVAL L. PATRICK
Governor

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AIR QUALITY OPERATING PERMIT

(Minor Modification dated: 11/3/2011)

Issued by the Massachusetts Department of Environmental Protection ("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.

ISSUED TO ["the Permittee"]:

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

INFORMATION RELIED UPON:

Application No. 4V95150 and SE-11-021
Transmittal No. 104598 and X239066

FACILITY LOCATION:

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

FACILITY IDENTIFYING NUMBERS:

AQ ID: 120 0018
FMF FAC. NO.: 130794
FMF RO. NO.: 54200

NATURE OF BUSINESS:

Textile Processing, Coating, Printing, Dyeing and Finishing

STANDARD INDUSTRIAL CODE (SIC): 2269

NORTH AMERICAN INDUSTRIAL CODE (NAICS): 313312

RESPONSIBLE OFFICIAL:

Name: Mansour Nejad
Title: Vice President of Quality & Engineering

FACILITY CONTACT PERSON:

Name: Mansour Nejad
Title: Vice President of Quality & Engineering
Phone: (508) 675-0101

This operating permit shall expire on 6/5/2014

For the Department of Environmental Protection, Bureau of Waste Prevention

Replacement page dated 11/3/2011
Permit Chief, Bureau of Waste Prevention

6/5/2009

Date

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SPECIAL CONDITIONS FOR OPERATING PERMIT

A Legend to Abbreviated Terms found in the following Tables is located in Section 28 of the 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.

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, MA. Various blends of fabric are dyed, printed, coated, and finished to the customer’s specifications. As defined at 310 CMR 7.00: Appendix C, the Duro Textiles, LLC facility is a major source of Oxides of Nitrogen (NO_x), Volatile Organic Compounds (VOC), Carbon Monoxide (CO), Sulfur Dioxide (SO₂), Particulate Matter (PM) and Hazardous Air Pollutants¹ (HAP).

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

Duro Finishing- Finishing Plant operations (DF) - 110 Chace Street

Duro Textile Printers-Print Plant operations (DTP) - 206 Globe Mills Avenue

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 RACT approval (4P93103) under 310 CMR 7.18(26) Textile Finishing. In addition to the process operations, **DF** operates 4 fuel utilization facilities (fire-tube boilers: greater than 3 MMBtu/hr heat input, but less than 40 MMBtu/hr heat input), which burn either No.6 Fuel Oil (≤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 (fire-tube boilers: greater than 3 MMBtu/hr heat input, but less than 40 MMBtu/hr heat input), which burn either No.6 Fuel Oil (≤1.0% Sulfur) and/or Natural Gas.

Duro Plant 2 (P2) currently does not contain any manufacturing processes but operates 4 fuel utilization facilities (fire-tube boilers: greater than 3 MMBtu/hr heat input, but less than 40 MMBtu/hr heat input), which burn either No.6 Fuel Oil (≤1.0% Sulfur) and/or Natural Gas.

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

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

Duro is a major source for Hazardous Air Pollutants 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, which was promulgated on May 29, 2003 and had a compliance date for existing sources no later than May 29, 2006.

40 CFR 63 Subpart OOOO sets emission limits for three subcategories (web coating and printing; slashing; dyeing and finishing) and allows for several compliance options for an affected source in each subcategory. Duro has indicated, in a Notification of Initial Compliance Status submitted July 2, 2007 to US EPA Region 1, that **all** web coating and printing operations at Duro are considered a single existing affected source and that **all** dyeing and finishing operations at Duro are considered a single existing affected source. The compliance option currently being used for web coating and printing operations is the Emission Rate With Add-On Controls option, and the compliance option currently being used for dyeing and finishing operations is the Emission Rate Without Add-On Controls option.

For an existing coating and printing affected source, Table 1 to Subpart OOOO of Part 63 lists the following choices for organic HAP emission limits - either reduce organic HAP emissions to atmosphere by achieving an overall control efficiency of 97%; limit organic HAP emissions to atmosphere to no more than 0.12 kilogram of organic HAP per kilogram of solids applied; or if using an oxidizer limit the outlet organic HAP concentration to no greater than 20 parts per million by volume, dry basis (ppmvd) with 100% capture efficiency. For an existing dyeing and finishing affected source, Table 1 to Subpart OOOO of Part 63 lists an organic HAP emission limit of 0.016 kilogram of organic HAP per kilogram of dyeing and finishing materials applied.

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.

The two WESP's have potential pre-control device PM emissions that are greater than 100 tons per year and are subject to 40 CFR Part 64 as indicated at §64.2(a). In accordance with 40 CFR Part 64.5(a) and (b), the permittee shall submit the information required under §64.4 as part of an application for a renewal of this Operating Permit. The Recuperative Thermal Oxidizer controls Coater 1, Coater 2 & Coater 3 (EU 38-DF) that are subject to 40 CFR Part 63, Subpart OOOO, which was promulgated on May 29, 2003. In accordance with §64.2(b)(1)(i), the requirements of 40 CFR Part 64 shall not apply to emission limits or standards proposed by the Administrator after November 15, 1990 pursuant to § 111 or § 112 of the Clean Air Act.

Sections 2 through 4 of this Operating Permit include Table 1, which lists the equipment (emission units or EUs) subject to this Operating Permit. Table 2, which describes the exempt activities that are not mentioned further in the Operating Permit. Tables 3, 4, 5, and 6 describe the applicable requirements that the EUs are subject to in the Operating Permit including emission limits, restrictions, monitoring/testing, recordkeeping and reporting as stated in the applicable regulations and plan approvals. Table 7 contains regulations that do not presently apply to this facility. Section 5 contains Special Terms and Conditions that are not contained or sufficiently described in Tables 3, 4, 5 and 6.

2. EMISSION UNIT IDENTIFICATION

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

| Table 1 | | | |
|----------------------|--|--|--|
| Emission unit | Description | Design Capacity | Pollution Control Device (PCD) & Stack Identification |
| 1-P2 | P2 Boiler 1 (Fire Tube) CLEAVER BROOKS Model No.: CBB655-150 Date of installation: 1961 Burner: CLEAVER BROOKS Burner Model: Package Burner | Heat input: 6.174 MMBtu/hr Fuel: No. 6 fuel oil | PCD-None Stack No.: 35 |
| 2-P2 | P2 Boiler 2 (Fire Tube) CLEAVER BROOKS Model No.: CBB621-200 Date of installation: 1976 Burner: CLEAVER BROOKS Burner Model: Package Burner | Heat input: 8.269 MMBtu/hr Fuel: No. 6 fuel oil | PCD-None Stack No.: 35 |
| 3-P2 | P2 Boiler 3 (Fire Tube) JOHNSTON Model No.: 535-AHG Date of installation: 1980 Burner: JOHNSTON Burner Model: Package Burner | Heat input: 33.222 MMBtu/hr Primary Fuel: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 35 |
| 4-P2 | P2 Boiler 4 (Fire Tube) JOHNSTON Model No.: 535-AHG Date of installation: 1982 Burner: JOHNSTON Burner Model: Package Burner | Heat input: 33.222 MMBtu/hr Primary Fuel: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 35 |
| 5-DTP | DTP Boiler 6 (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 |
| 6-DF | DF Boiler 1 (Fire Tube) JOHNSTON Model No.: 522-250 Date of installation: 1949 Burner: JOHNSTON Burner Model: Package Burner | Heat input: 10.8 MMBtu/hr Primary Fuel: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 000 |

Table 1

| Emission unit | Description | Design Capacity | Pollution Control Device (PCD) & Stack Identification |
|---------------|--|---|---|
| 7-DF | DF Boiler 2 (Fire Tube) JOHNSTON Model No.: 535-750 Date of installation: 1968 Burner: JOHNSTON Burner Model: Unknown | Heat input: 32.3 MMBtu/hr Primary Fuel: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 000 |
| 8-DF | DF Boiler 3 (Fire Tube) JOHNSTON Model No.: 530-500 Date of installation: 1968 Burner: JOHNSTON Burner Model: Unknown | Heat input: 21.6 MMBtu/hr Primary Fuel: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 000 |
| 9-DF | DF Boiler 4 (Fire Tube) JOHNSTON Model No.: 530-600 Date of installation: 1968 Burner: JOHNSTON Burner Model: Unknown | Heat input: 25.9 MMBtu/hr Primary Fuel: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 000 |
| 12-DTP | DTP Boiler 4 (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 |
| 14-DTP | DTP Boiler 1 (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: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 27 |
| 15-DTP | DTP Boiler 2 (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: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 27 |

Table 1

| Emission unit | Description | Design Capacity | Pollution Control Device (PCD) & Stack Identification |
|-----------------------------------|--|--|---|
| 16-DTP | DTP Boiler 3 (Fire Tube) JOHNSTON Model No.: PFTA250-4 Date of installation: 1995 Burner: JOHNSTON Burner Model: Unknown | Heat input: 9.8 MMBtu/hr Primary Fuel: No. 6 fuel oil Secondary Fuel: Natural Gas | PCD-None Stack No.: 27 |
| 17-DF | Tenter oven 3 & 6 smoke abater Make: VMB System Date of installation: 2003 | Heat input: 5.0 MMBtu/hr Fuel: Natural Gas | PCD-None Stack No.: 10A |
| 19-DF | Tenter oven 4 smoke abater 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 |
| 30-FAC (Facility wide) | Parts Washer(s) | Complies with 310 CMR 7.18(8)(a) | PCD-None Stack No.: g.v. ⁽¹⁾ |
| 31-DF | Tenter Oven 1 Make: Van Date of installation: 1950 | Heat input: 3.0 MMBtu/hr Fuel: Natural Gas Process: 1200 lbs/hr (finished fabric) | PCD-None Stack No.: 5,6 |
| 33-DF | Tenter Oven 3 Make: Marshall + Williams Date of installation: 1950 | Heat input: 4.0 MMBtu/hr Fuel: Natural Gas Process: 1200 lbs/hr (finished fabric) | PCD - Smoke Abater VMB Systems Stack No.: 10A |
| 34-DF | Tenter Oven 4 Make: Van Model No.: 5509 Date of installation: 1969 | Heat input: 7.4 MMBtu/hr Fuel: Natural Gas Process: 1200 lbs/hr (finished fabric) | PCD - Smoke Abater VMB System model No. 7.5 Stack No.: 15 |
| 36-DF | Tenter Oven 6 Make: Krantz Date of installation: 1971 | Heat input: 7.0 MMBtu/hr Fuel: Natural Gas Process: 1200 lbs/hr (finished fabric) | PCD - Smoke Abater VMB Systems Stack No.: 10A |

Table 1

| Emission unit | Description | Design Capacity | Pollution Control Device (PCD) & Stack Identification |
|---------------|--|---|---|
| 38-DF | Coater 1, Coater 2 & Coater 3 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 |
| 39-DF | Dye House Operations 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. ⁽¹⁾ |
| 40-DF | Aqueous Coater No. 4 Coating head 1&2 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 |
| 41-DF | Aqueous Coater No. 4 Coating head 3 (CR-3) Make: Wolverine Date of installation: 2004 | Heat input: 3.0 MMBtu/hr Fuel: Natural Gas Process: 1 coating head | PCD-None Stack No.: 44 |
| 43-DTP | Print Machine No. 1 Make: Stork Date of installation: 1974 | Heat input: 3.6 MMBtu/hr Fuel: Natural Gas Process: 2500 yph (printed fabric) | PCD - ESP No.1 Beltran BTP 10x10 Stack No.: 33 |
| 44-DTP | Print Machine No. 2 Make: Stork Date of installation: 1980 | Heat input: 3.6 MMBtu/hr Fuel: Natural Gas Process: 2500 yph (printed fabric) | PCD - ESP No.1 Beltran BTP 10x10 Stack No.: 33 |
| 45-DTP | Print Machine No. 3 Make: Stork Date of installation: 1993 | Heat input: 3.6 MMBtu/hr Fuel: Natural Gas Process: 2500 yph (printed fabric) | PCD - ESP No.1 Beltran BTP 10x10 Stack No.: 33 |
| 46-DTP | Print Machine No. 4 Make: Stork Date of installation: 1985 | Heat input: 4.8 MMBtu/hr Fuel: Natural Gas Process: 2500 yph (printed fabric) | PCD – ESP No.2 Beltran BTP 10x14 Stack No.: 34 |

Table 1

| Emission unit | Description | Design Capacity | Pollution Control Device (PCD) & Stack Identification |
|-----------------------------------|---|--|---|
| 47-DTP | DTP fabric preparation Wash Ranges & Saturators | Fuel: N/A Process: 2500 yph (prepped fabric) | PCD – None Stack No.: g.v. ⁽¹⁾ |
| 48-DTP | Tenter No. 1 Make: Kenyon Date of installation: pre-1971 | Heat input: 6.4 MMBtu/hr Fuel: Natural Gas Process: 100 yds/min (finished fabric) | PCD – ESP No.2 Beltran BTP 10x14 Stack No.: 34 |
| 49-DTP | Tenter No. 2 Make: Goodrich Date of installation: 1985 | Heat input: 8.0 MMBtu/hr Fuel: Natural Gas Process: 100 yds/min (finished fabric) | PCD – ESP No.2 Beltran BTP 10x14 Stack No.: 34 |
| 50-DTP | Tenter No. 3 Make: Kenyon Date of installation: 1994 | Heat input: 6.4 MMBtu/hr Fuel: Natural Gas Process: 100 yds/min (finished fabric) | PCD – ESP No.2 Beltran BTP 10x14 Stack No.: 34 |
| 52-DF | Mix Room | Process: Unknown | PCD - None Stack No.: g.v. ⁽¹⁾ |
| 53-FAC (Facility wide) | Storage of Fabric Coatings, Inks, Dyes & Finishing Chemicals | Process: Unknown | PCD - None Stack No.: g.v. ⁽¹⁾ |

Table 1 notes

(1) g.v. = general ventilation

3. IDENTIFICATION OF EXEMPT ACTIVITIES

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

| Table 2 | |
|---|---|
| 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> |

4. APPLICABLE REQUIREMENTS

A. EMISSION LIMITS AND RESTRICTIONS

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

| Table 3 | | | | | |
|--|----------------------------|------------------|--|---------------------|--|
| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
| 1-P2 <small>(Boiler)</small> | No. 6 fuel oil | PM | 0.12 lbs/MMBtu | N/A | 310 CMR 7.02(8)(d) SM-82-005-CO |
| | | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) SM-82-005-CO |
| | | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) |
| | | Smoke | < No. 1 of Chart ^(Note 1) , except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL | |
|-------------------------------|--------------------------|---|---|--------------|--|---------------------------|
| 2-P2 (Boiler) | No. 6 fuel oil | PM | 0.10 lbs/MMBtu | N/A | 310 CMR 7.02(8)(h) SM-82-005-CO | |
| | | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) SM-82-005-CO | |
| | | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) | |
| | | Smoke | < No. 1 of Chart ^(Note 1) , except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) | |
| 3-P2, 4-P2 (Boiler) | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) SM-82-005-CO | |
| | No. 6 fuel oil or | PM | 0.10 lbs/MMBtu | N/A | 310 CMR 7.02(8)(h) SM-82-005-CO | |
| | | NO _x | Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Special Terms and Conditions No. 3.</i> | | 310 CMR 7.19(6) | |
| | Natural Gas | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | N/A | | 310 CMR 7.06(1)(b) |
| | | Smoke | < No. 1 of Chart ^(Note 1) , except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | N/A | | 310 CMR 7.06(1)(a) |
| 5-DTP (Boiler) | Natural Gas | PM | 0.01 lbs/MMBtu 1.10 tpy ^{(Note 2)(Note 4)} | N/A | 4B98006 | |
| | | NO _x | 0.12 lbs/MMBtu 13.19 tpy ^{(Note 2)(Note 4)} | | | |
| | | Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Special Terms and Conditions No. 3.</i> | | | | 310 CMR 7.19(6) |
| | | CO | 0.15 lbs/MMBtu 16.49 tpy ^{(Note 2)(Note 4)} | N/A | 4B98006 | |
| | | VOC | 0.016 lbs/MMBtu 1.76 tpy ^{(Note 2)(Note 4)} | | | |
| | | SO ₂ | 0.001 lbs/MMBtu 0.11 tpy ^{(Note 2)(Note 4)} | | | |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|--------------------------|---|---|--|---|---|
| 5-DTP (Boiler) | Natural Gas | Opacity | $\leq 20\%$ except >20 to $\leq 40\%$ for ≤ 2 minutes during any 1 hour | No visible emissions (0% opacity) during normal operations. | 310 CMR 7.06(1)(b) 4B98006 |
| | | Smoke | $<$ No. 1 of Chart ^(Note 1) except No. 1 to $<$ No. 2 of chart for ≤ 6 minutes during any 1 hour | No visible emissions (0% opacity) during normal operations. | 310 CMR 7.06(1)(a) 4B98006 |
| | | PM | N/A | N/A | 40 CFR 60 Subpart Dc |
| | | SO ₂ | | | |
| 6-DF (Boiler) | No. 6 fuel oil or Natural Gas | PM | 0.10 lbs/MMBtu 1.08 lbs/hr 4.7 tpy ^{(Note 2)(Note 4)} | N/A | 310 CMR 7.02(8)(h) 4B92043 |
| | | NOx | 4.82 lbs/hr 21.1 tpy ^{(Note 2)(Note 4)} | | 4B92043 |
| | | CO | 0.36 lbs/hr 1.6 tpy ^{(Note 2)(Note 4)} | | |
| | | SO ₂ | 1.10 lbs/MMBtu 12.0 lbs/hr 52.6 tpy ^{(Note 2)(Note 4)} | | |
| | No. 6 fuel oil | S in fuel ≤ 0.55 lbs/MMBtu | | | 310 CMR 7.05(1), 4B92043 |
| | | Opacity | $\leq 20\%$ except >20 to $\leq 40\%$ for ≤ 2 minutes during any 1 hour | N/A | 310 CMR 7.06(1)(b) |
| | | Smoke | $<$ No. 1 of Chart ^(Note 1) except No. 1 to $<$ No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) |
| | 7-DF (Boiler) | No. 6 fuel oil or Natural Gas | PM | 0.10 lbs/MMBtu 3.23 lbs/hr 14.1 tpy ^{(Note 2)(Note 4)} | N/A |
| CO | | | 1.08 lbs/hr 4.7 tpy ^{(Note 2)(Note 4)} | 4B92043 | |
| NOx | | | 14.43 lbs/hr 63.2 tpy ^{(Note 2)(Note 4)} | | |
| | | | Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Special Terms and Conditions No. 3.</i> | 310 CMR 7.19(6) | |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|-------------------------|---------------------|-----------------|--|--------------|--|
| 7-DF (Boiler) | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) 4B92043 |
| | No. 6 fuel oil | | 1.10 lbs/MMBtu 35.9 lbs/hr 157.2 tpy ^{(Note 2)(Note 4)} | N/A | 4B92043 |
| | or | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) |
| | Natural Gas | Smoke | < No. 1 of Chart ^(Note 1) , except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) |
| 8-DF (Boiler) | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1), 4B92043 |
| | No. 6 fuel oil | PM | 0.10 lbs/MMBtu 2.16 lbs/hr 9.5 tpy ^{(Note 2)(Note 4)} | N/A | 310 CMR 7.02(8)(h) 4B92043 |
| | or | CO | 0.72 lbs/hr 3.2 tpy ^{(Note 2)(Note 4)} | | 4B92043 |
| | Natural Gas | NO _x | 9.65 lbs/hr 42.3 tpy ^{(Note 2)(Note 4)} | | |
| | | | Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Special Terms and Conditions No. 3.</i> | | 310 CMR 7.19(6) |
| | | SO ₂ | 1.10 lbs/MMBtu 24.0 lbs/hr 105.1 tpy ^{(Note 2)(Note 4)} | N/A | 4B92043 |
| | | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) |
| | | Smoke | < No. 1 of Chart ^(Note 1) , except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|---|---|---|---|---|--|
| 9-DF (Boiler) | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1), 4B92043 |
| | No. 6 fuel oil or Natural Gas | PM | 0.10 lbs/MMBtu 2.59 lbs/hr 11.3 tpy ^{(Note 2)(Note 4)} | N/A | 310 CMR 7.02(8)(h) 4B92043 |
| | | CO | 0.86 lbs/hr 3.8 tpy ^{(Note 2)(Note 4)} | | 4B92043 |
| | | NOx | 11.57 lbs/hr 50.7 tpy ^{(Note 2)(Note 4)} | | 310 CMR 7.19(6) |
| | | Boiler shall be tuned according to 310 CMR 7.19(6) <i>See Special Terms and Conditions No. 3.</i> | | | |
| | | SO ₂ | 1.10 lbs/MMBtu 28.8 lbs/hr 126.1 tpy ^{(Note 2)(Note 4)} | N/A | 4B92043 |
| | | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) |
| | | Smoke | < No. 1 of Chart ^(Note 1) except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) |
| 6-DF, 7-DF, 8-DF, 9-DF (Boiler) | All Fuels | All | Fuel use restricted to not > 793,656 MMBtu/ year ^(Note 3) which represents 100% of the maximum heat input rating for all 4 Duro Finishing boilers. | | 4B92043 |
| 12-DTP (Boiler) | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) |
| | No. 6 fuel oil or Natural Gas | PM | 0.10 lbs/MMBtu | N/A | 310 CMR 7.02(8)(h) 4B93089 |
| | | Smoke | < No. 1 of Chart ^(Note 1) except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | No Visible Emissions (0% opacity) during normal operations. | 310 CMR 7.06(1)(a) 4B93089 |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|---------------------------|---|-----------------|--|---|---|
| 12-DTP (Boiler) | No. 6 fuel oil or Natural Gas | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | No Visible Emissions (0% opacity) during normal operations. | 310 CMR 7.06(1)(b) 4B93089 |
| | | NOx | 55 lbs/1000gal oil; 100 lbs/MMcf NG 10.84 tpy ^(Note 2) ^(Note 4) | | N/A |
| 14-DTP (Boiler) | No. 6 fuel oil or Natural Gas | PM | 0.12 lbs/MMBtu | N/A | 310 CMR 7.02(8)(d) |
| | | Smoke | < No. 1 of Chart ^(Note 1) except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) |
| | | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) |
| | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) |
| 15-DTP (Boiler) | No. 6 fuel oil or Natural Gas | PM | 0.12lbs/ MMBtu | N/A | 310 CMR 7.02(8)(d) |
| | | Smoke | < No. 1 of Chart ^(Note 1) except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | | 310 CMR 7.06(1)(a) |
| | | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) |
| | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) |
| 16-DTP (Boiler) | No. 6 fuel oil or | Smoke | < No. 1 of Chart ^(Note 1) except No. 1 to < No. 2 of chart for ≤ 6 minutes during any 1 hour | No Visible Emissions (0% opacity) during normal operations. | 310 CMR 7.06(1)(a) 4B94184 |
| | | Opacity | ≤ 20 % except >20 to ≤ 40 % for ≤ 2 minutes during any 1 hour | | 310 CMR 7.06(1)(b) 4B94184 |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|--------------------------------|---------------------|---|---|---|--|
| 16-DTP (Boiler) | Natural Gas | PM | 12.41 lbs/1000 gal oil; 7.5 lbs/MMcf NG 0.29 tpm ^(Note 8) 1.87 tpy ^(Note 2) | Maximum allowable hourly fuel usage rate: 64.87 gallon/hour of No. 6 fuel oil 9800 ft ³ /hour of natural gas | 4B94184 |
| | | VOC | 1.13 lbs/1000 gal oil; 2.784 lbs/MMcf NG 0.03 tpm ^(Note 8) 0.22 tpy ^(Note 2) | | |
| | | NO _x | 55 lbs/1000 gal oil; 100 lbs/MMcf NG 1.30 tpm ^(Note 8) 9.99 tpy ^(Note 2) | | |
| | | SO ₂ | 157 lbs/1000 gal oil; 0.6 lbs/MMcf NG 3.72 tpm ^(Note 8) 23.09 tpy ^(Note 2) | | |
| | | CO | 5 lbs/1000 gal oil; 21 lbs/MMcf NG 0.12 tpm ^(Note 8) 1.16 tpy ^(Note 2) | | |
| | No. 6 fuel oil | SO ₂ | S in fuel ≤ 0.55 lbs/MMBtu | | 310 CMR 7.05(1) 4B94184 |
| | All | 47,350 gal/30 day rolling period; 285,410 gal/year ^(Note 3) | | 4B94184 | |
| 17-DF (Smoke abater) | Natural Gas | NO _x | 0.186 tpm 1.10 tpy ^(Note 2) | Operation limited to Natural Gas usage of 3.72MMcf/ month and 22.0MMcf/ year (Note 3) | 4P01011 |
| | | CO | 0.156 tpm 0.920 tpy ^(Note 2) | | |
| | | PM | 0.014 tpm 0.083 tpy ^(Note 2) | | |
| | | VOC | 0.010 tpm 0.061 tpy ^(Note 2) | | |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|--|---------------------------------|-------------------|---|---|--|
| 17-DF (Smoke abater) | | SO ₂ | 0.001 tpm 0.007 tpy ^(Note 2) | | 4P01011 |
| | | Visible emissions | No Visible Emissions (0% opacity) exclusive of uncombined H ₂ O | | |
| 19-DF (Smoke abater) | Natural Gas | NO _x | 0.03 tpm 0.37 tpy ^{(Note 2)(Note 4)} | N/A | 4B96102 |
| | | CO | 0.05 tpm 0.59 tpy ^{(Note 2)(Note 4)} | | |
| | | PM | 0.02 tpm 0.26 tpy ^{(Note 2)(Note 4)} | | |
| | | VOC | 0.01 tpm 0.12 tpy ^{(Note 2)(Note 4)} | | |
| | | SO ₂ | 0.001 tpm 0.01 tpy ^{(Note 2)(Note 4)} | | |
| | | Visible emissions | No Visible Emissions (0% opacity) exclusive of uncombined H ₂ O | | |
| 30-FAC (Parts washers) | Non Halogenated Solvent | VOC | Design features and operating procedures identified in 310 CMR 7.18(8)(a) and (d) <i>See Special Terms and Conditions No. 7.</i> | < 100 gallons per month each unit | 310 CMR 7.03(8) 310 CMR 7.18(8) |
| 31-DF, 33-DF 34-DF, 36-DF (Tenter Frame) 40-DF (Coater 4, head 1&2) | Natural Gas | PM | 0.12 lb/MMBtu | N/A | 310 CMR 7.02(8)(d) |
| 31-DF, 33-DF 34-DF, 36-DF (Tenter Frame) 39-DF (Dyehouse) 40-DF (Coater 4, head 1&2) | Textile finishing mixtures | VOC | 0.5lbs VOC per lbs solids, as applied | N/A | 310 CMR 7.18(26), 310 CMR 7.18(20), 4P93103 |
| | All VOC/HAP containing material | VOC/HAP | ≤ 4.0 tpm ^(Note 7) ≤ 12.0 tpy ^(Note 2) | Usage of VOC restricted to ≤ 4.0 tpm ≤ 12.0 tpy | 4P07024 |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|--|--|-------------------|--|---|--|
| 31-DF 33-DF 34-DF 36-DF (Tenter Frame) 40-DF (Coater 4, head 1&2) | All | Visible emissions | No Visible Emissions (0% opacity) exclusive of uncombined H ₂ O | | 4P07024 |
| 38-DF (Coaters 1, 2 &3) | Coating formulations (Note 10) | VOC/HAP | 6.0 tons/month (Note 7) 23.7 tpy (Note 2) | Minimum exhaust capture efficiency 99% Static Pressure at the inlet to the centrifugal induced draft fan ≤ 2.25 inches H ₂ O, gauge (3-hour rolling average) | 4P07024 |
| | Coating formulations (Note 10) | VOC/HAP | ≤ 0.12 lbs VOC/HAP per lbs solids, as applied | Minimum exhaust capture efficiency 99% Min. Coater Thermal Oxidizer Operating temp. 1400° F Min. Coater Thermal Oxidizer 3-hour rolling average Operating temp. 1415° F Minimum VOC/HAP destruction efficiency 98% Minimum overall VOC/HAP control efficiency 97% <i>See Special Condition No. 5 & No. 6</i> | 4P93103 4P07024 |
| | Coating formulations > 0.12 lbs VOC/HAP per lbs solids, as applied (Note 10) | VOC/HAP | ≤ 0.5 lbs VOC per lbs solids, as applied (after control) | | |
| | Natural Gas, Fabric, Coating formulations | Visible emissions | No Visible Emissions (0% opacity) exclusive of uncombined H ₂ O | | 4P07024 |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|---|---|--|--|--|--|
| 38-DF (Coaters 1, 2 &3) 52-DF (Mix Room) | Methyl Ethyl Ketone (MEK)/VOC containing Cleaning Materials | VOC | 0.7 tpm ^(Note 7) 3.0 tpy ^(Note 2) | Usage of VOC ^(Note 12) restricted to ≤ 0.7 tpm ≤ 3.0 tpy | 4P07024 |
| 41-DF (Coater 4, head 3) | Natural Gas | VOC (combustion) | 0.05 tpy ^{(Note 2)(Note 15)} | | 4P95001 |
| | | NOx | 3.1 tpy ^{(Note 2)(Note 15)} | | |
| | | SO ₂ | 0.2 tpy ^{(Note 2)(Note 15)} | | |
| | | CO | 0.6 tpy ^{(Note 2)(Note 15)} | | |
| | | PM | 0.37 tpy ^{(Note 2)(Note 15)} | | |
| Coating formulations | VOC (process) | 2.0lbs VOC/ gal solids applied | 1.32MM gallons of coating per year ^(Note 3) Restricted to coating formulations identified in 'Table A' of Plan Approval 4P95001 and revisions. | 4P95001 4P07024 | |
| Natural Gas, Coating formulations, Fabric | VOC | 0.25 tpm; 3.0 tpy ^(Note 2) (each coating head) | 20MM yards of fabric per year ^(Note 3) | 4P95001 | |
| | Visible emissions | No Visible Emissions (0% opacity) exclusive of uncombined H ₂ O | | | |
| 43-DTP, 44-DTP, 45-DTP (Print Lines) | All | PM | ≤ 0.83 tpm ^(Note 9) ≤ 8.1 tpy ^{(Note 2) (Note 9)} | Operation of each unit limited to 720 hrs/ month and 7,100 hrs/ year ^(Note 3) | 4P11013 |
| | | Visible emissions | No Visible Emissions (0% opacity) exclusive of uncombined H ₂ O | | |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|---|---|-------------------|--|--|---|
| 43-DTP, 44-DTP, 45-DTP, 46-DTP <small>(Print Lines)</small> | Print Pastes (inks) | VOC | 0.5lbs VOC/ lbs solids, as applied | | 310 CMR 7.18(17) SM85-168-IF 4P92088 4P98024 |
| | Fabric Printing Paste | NH ₃ | 0.025 lbs per gallon 2.2 tpm 13.5 tpy ^(Note 2) | | 4P98024 |
| 45-DTP <small>(Print Line)</small> | Fabric Printing materials | VOC | 312 lbs per day ^(Note 5) 4.8 tpm 15.0 tpy ^(Note 2) | | 4P98024 |
| 46-DTP 48-DTP, 49-DTP, 50-DTP <small>(Tenter Frames)</small> | All | PM | ≤ 1.01 tpm ^(Note 9) ≤ 9.9 tpy ^{(Note 2) (Note 9)} | Operation of each unit limited to 720 hrs/ month and 7,100 hrs/ year ^(Note 3) | 4P11013 |
| | | Visible emissions | No Visible Emissions (0% opacity) exclusive of uncombined H ₂ O | | |
| 48-DTP, 49-DTP <small>(Tenter Frames)</small> | Textile finishing mixtures | VOC | 0.5lbs VOC/ lbs solids, as applied | | 4P92088 |
| 43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP <small>(Print Lines) (Tenter Frames)</small> | Cold Cleaning, Print Pastes (Inks), Paste Diluent/ Dispersant, Textile finishing mixtures | VOC | 312 lbs/day ^(Note 5) 39 tpy ^(Note 2) | | SM85-168-IF 4P92088 4P98024 |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|--|--|----------------------|---|--|--|
| 47-DTP <small>(Fabric Prep)</small> | Fabric preparation and neutralization materials | VOC (acetic acid) | 5.0 lbs/day ^(Note 5) 0.85 tpy ^(Note 2) | | 4P98024 |
| | | | Wastewater discharge pH value \geq 6.0 | | |
| 50-DTP <small>(Tenter Frame)</small> | Natural Gas | NOx | 100 lbs/ MMCF 3.15 tpy ^{(Note 2)(Note 4)} | | 4P94097 |
| | | VOC (combustion) | 5.8 lbs/ MMCF | | |
| | Textile finishing mixtures | VOC | 0.5lbs VOC/ lbs solids, as applied | | |
| | All textile processes, including fabric finishing, fabric preparation and combustion | VOC | 2.0 tpm 5.0 tpy ^(Note 2) | 20MM yards of fabric per year ^(Note 3) | 4V95150 4P94097 |
| 52-DF <small>(Mix Room)</small> | Coating additives | VOC/HAP | 0.4 tpm ^{(Note 7)(Note 11)} 2.0 tpy ^{(Note 2) (Note 11)} | Coating additive throughput restriction of 4 tons per month and 20 tons per 12-MRP | 4P07024 |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|---|---|--|--------------------------|---|---|
| <p style="text-align: center;">52-DF (Mix Room)</p> | <p style="text-align: center;">All VOC containing material</p> | <p style="text-align: center;">VOC</p> | | <p>Mixing tank covered with a lid or other method 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:</p> <ul style="list-style-type: none"> 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. | <p style="text-align: center;">310 CMR 7.18(27)(a) 310 CMR 7.18(27)(b) 4P07024</p> |
| <p style="text-align: center;">52-DF (Mix Room) 53-FAC (Chemical Storage)</p> | <p style="text-align: center;">Coating, printing, thinning and cleaning materials</p> | <p style="text-align: center;">HAP</p> | | <p>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.</p> | <p style="text-align: center;">40 CFR 63.4293 (b)(1) through (5) (Note 6) 4P07024</p> |
| <p style="text-align: center;">53-FAC (Chemical Storage)</p> | <p style="text-align: center;">All VOC containing material</p> | <p style="text-align: center;">VOC</p> | | <p>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.</p> | <p style="text-align: center;">310 CMR 7.18(1)(c)</p> |

Table 3

| EU# | FUEL/ RAW MATERIALS | POLLUTANT | EMISSION LIMIT /STANDARD | RESTRICTIONS | APPLICABLE REGULATION AND /OR APPROVAL |
|---|---|-----------|--|--------------|--|
| 38-DF, 40-DF, 41-DF, 43-DTP, 44-DTP, 45-DTP, 46-DTP | <u>Coating and Printing Operations:</u> Coating, printing, thinning and cleaning materials | HAP | <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 ^(Note 13) | | 40 CFR 63 Subpart OOOO: 40 CFR 63.4280 through 63.4371 and Tables 1 through 5 ^(Note 6) |
| 31-DF, 33-DF, 34-DF, 36-DF, 39-DF, 48-DTP, 49-DTP, 50-DTP | <u>Dyeing and Finishing Operations:</u> Dyeing and finishing materials | HAP | <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 ^(Note 14) | | 40 CFR 63 Subpart OOOO: 40 CFR 63.4280 through 63.4371 and Tables 1 through 5 ^(Note 6) |

Table 3 notes:

- (Note 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.
- (Note 2) tpy means tons per year based on a consecutive 12-month period.
- (Note 3) year is any consecutive 12-month period.
- (Note 4) Reflects 8760 hours of operation at maximum input rating using worst-case fuel based on AP-42 emission factors.
- (Note 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.
- (Note 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.
- (Note 7) Month is a maximum of 744 hours
- (Note 8) Tons per month (tpm) emissions are based on the maximum No. 6 fuel oil usage of 47,350 gal in any 30-day rolling period.

- (Note 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.
- (Note 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%.
- (Note 11)** Mix room emissions are based on an uncontrolled emission factor of 200 lbs of VOC/HAP per ton of coating additives processed.
- (Note 12)** MEK/VOC consumption limits may include a reconciliation of waste solvent shipped off-site as contained in Special Condition No. 8.
- (Note 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.
- (Note 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.
- (Note 15)** In accordance with Plan Approval No. 4P95001, Duro shall calculate fuel burning emissions using the appropriate emission factors contained in AP-42.

B. COMPLIANCE DEMONSTRATION

The permittee is subject to the monitoring/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 No. | MONITORING / TESTING REQUIREMENTS |
|---|--|
| <u>EU No.</u> 1-P2, 2-P2, 3-P2, 4-P2, 6-DF, 7-DF, 8-DF, 9-DF, 12-DTP, 14-DTP, 15-DTP, 16-DTP | 1.) 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. |
| <u>EU No.</u> 1-P2, 2-P2, 3-P2, 4-P2, 5-DTP, 6-DF, 7-DF, 8-DF, 9-DF, 12-DTP, 14-DTP, 15-DTP, 16-DTP | 2.) In accordance with 310 CMR 7.04(4)(a), Duro Textiles, LLC 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 3.0MMBtu/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. |
| <u>EU No.</u> 3-P2, 4-P2, 5-DTP, 7-DF, 8-DF, 9-DF | 3.) In accordance with 310 CMR 7.19(6)(b), Duro Textiles, LLC will verify on a monthly basis the settings determined by the annual tune-up required by 310 CMR 7.19(6)(a). |
| <u>EU No.</u> 5-DTP | 4.) In accordance with 40 CFR 60 Subpart Dc and the 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. |
| <u>EU No.</u> 16-DTP | 5.) 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. |
| <u>EU No.</u> 17-DF | 6.) 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 the operational limit of 22 MMft ³ of natural gas per 12 month rolling period is not exceeded. |
| <u>EU No.</u> 30-FAC | 7.) In accordance with 310 CMR 7.18(8)(h), at the request of the MassDEP, perform or have performed tests to demonstrate compliance. Testing shall be conducted in accordance with a method approved by the MassDEP and EPA. |
| <u>EU No.</u> 38-DF | 8.) In accordance with Plan Approval No. 4P07024, continuously monitor the temperature at the downstream end of the Coater Thermal Oxidizer combustion chamber. 9.) In accordance with Plan Approval No. 4P07024, continuously monitor the static pressure (measured in Inches of H ₂ O, gauge) at the inlet to the centrifugal induced draft fan. 10.) 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. |

Table 4

| EU No. | MONITORING / TESTING REQUIREMENTS |
|--|--|
| <u>EU No.</u> 38-DF | <p>11.) In accordance with Plan Approval No. 4P07024, the Permittee shall monitor daily 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"> a) specific facility coating identification number; b) start time of run, end time of run, duration of run; c) amount of coating used (gallons); d) pounds of VOC/HAP per gallon coating; e) pounds of VOC/HAP per pound of solids, as applied (including any mix room adjustments); f) Coater Thermal Oxidizer minimum temperature over duration of run; g) Coater Thermal Oxidizer minimum, three hour rolling average, temperature over duration of run. <p>(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(b)(3)(ii)) ;</p> <ul style="list-style-type: none"> h) Maximum (minimum negative), three hour rolling average, static pressure at the inlet to the induced draft fan over duration of run. <p>(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(b)(3)(ii)).</p> |
| <u>EU No.</u> 38-DF, 52-DF | <p>12.) 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.</p> |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP, 49-DTP, 50-DTP | <p>13.) 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"> a) Secondary current (DC mA) b) Secondary voltage (DC kV) c) High Voltage Power (on/off) d) Spray Fogger Operation (on/off) e) Fogging spray water supply valve position (fully open) <p>14.) 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> |
| <u>EU No.</u> 47-DTP | <p>15.) 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.</p> |
| <u>EU No.</u> 52-DF | <p>16.) 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.</p> |

Table 4

| EU No. | MONITORING / TESTING REQUIREMENTS |
|--|--|
| Dyeing and Finishing Operations: EU Nos. 31-DF, 33-DF, 34-DF, 36-DF, 39-DF, 48-DTP, 49-DTP, 50-DTP | 17.) 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 ² . |
| | 18.) 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. Duro must perform the calculations on a monthly basis. |
| Web Coating and Printing operations: EU Nos. 38-DF, 40-DF, 41-DF, 43-DTP, 44-DTP, 45-DTP, 46-DTP, 52-DF, 53-FAC | 19.) 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 ² provided by the manufacturer of the material [40 CFR 63.4321(e)(1)(iv)] |
| | 20.) 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. Duro must perform the calculations on a monthly basis. |
| | 21.) 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). |
| | 22.) 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). |
| Facility-wide | 23.) 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. |
| | 24.) 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. |

² Formulation data must represent all organic HAP present ≥ 0.1% for OSHA defined carcinogens and ≥ 1.0% for other organic HAP compounds. Method 311 data takes precedence when available.

Table 4

| EU No. | MONITORING / TESTING REQUIREMENTS |
|----------------------|--|
| Facility-wide | 25.) 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. |
| | 26.) 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: <ul style="list-style-type: none"> (a) to be conducted by a person knowledgeable in stack testing, (b) to be conducted in accordance with procedures contained in a test protocol which has been approved by the MassDEP, (c) to be in the presence of a representative of the MassDEP when such is deemed necessary, and (d) to be summarized and submitted to the MassDEP with analyses and report within such time as agreed to in the approved test protocol. |
| | 27.) 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: <ul style="list-style-type: none"> (a) entrance to a location suitable for stack sampling, (b) sampling ports at locations where representative samples may be obtained, (c) staging and ladders to support personnel and equipment for performing tests, (d) a suitable power source at the sampling location for the operation of sampling equipment, and (e) such other reasonable facilities as may be requested by the MassDEP. |
| | 28.) 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. |
| | 29.) In accordance with 310 CMR 7.00 Appendix C (9)(b): <ul style="list-style-type: none"> 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, §§ 504(a) and 504(b) or 114(a)(3); 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 c) Comply with requirements concerning the use, maintenance and installation of monitoring equipment or methods as the MassDEP deems appropriate. |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|---|---|
| <u>EU No.</u> 1-P2, 2-P2, 3-P2, 4-P2, 6-DF, 7-DF, 8-DF, 9-DF, 12-DTP, 14-DTP, 15-DTP, 16-DTP | 1.) 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). |
| <u>EU No.</u> 1-P2, 2-P2, 3-P2, 4-P2, 5-DTP, 6-DF, 7-DF, 8-DF, 9-DF, 12-DTP, 14-DTP, 15-DTP, 16-DTP | 2.) 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. |
| <u>EU No.</u> 3-P2, 4-P2, 5-DTP, 7-DF, 8-DF, 9-DF | 3.) 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 ₂ /CO (for gas) or O ₂ /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. |
| <u>EU No.</u> 5-DTP | 4.) 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"> a) The initiation and completion dates for the proposed construction/ reconstruction/ alteration. b) Fuel usage log. This log may consist of standard bills for fuel usage. 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. 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. 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. |
| | 5.) In accordance with 40 CFR 60.48c (g), record and maintain records of the amounts of each fuel combusted during each day. |
| <u>EU No.</u> 6-DF, 7-DF, 8-DF, 9-DF | 6.) 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

| EU No. | RECORD KEEPING REQUIREMENTS |
|--------------------------------|---|
| <u>EU No.</u> 12-DTP | <p>7.) 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"> a) The initiation and completion dates for the proposed construction/reconstruction/alteration. b) Fuel usage log. This log may consist of standard bills for fuel usage. 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. 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. |
| <u>EU No.</u> 16-DTP | <p>8.) In accordance with Plan Approval No. 4B94184, fuel oil 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.</p> <p>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"> a) The initiation and completion dates for the proposed construction/ reconstruction/ alteration. b) Fuel usage log. This log may consist of standard bills for fuel usage. 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. 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. 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. f) All records shall be made available to the MassDEP upon request. |
| <u>EU No.</u> 17-DF | <p>9.) 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"> a) The initiation and completion dates for the proposed construction/reconstruction/alteration. 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. 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. <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

| EU No. | RECORD KEEPING REQUIREMENTS |
|---|--|
| <u>EU No.</u> 19-DF | <p>10.) 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"> a) The initiation and completion dates for the proposed construction/ reconstruction/ alteration. b) Fuel usage log. This log may consist of standard bills for fuel usage. 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. 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. 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. |
| <u>EU No.</u> 30-FAC | <p>11.) 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>Section 4, Table 3</i> and <i>Section 5, Special Terms and Conditions No.7</i> of this permit.</p> |
| <u>EU No.</u> 31-DF, 33-DF, 34-DF, 36-DF, 38-DF, 39-DF, 40-DF | <p>12.) 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.</p> <p>The following records shall be maintained:</p> <ul style="list-style-type: none"> 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; b) identity, quantity, formulation and density of any diluent(s) and clean-up solvent(s) used; c) actual operational and emission characteristics of the textile finishing process equipment and any appurtenant emissions capture and control equipment; d) quantity of textile processed; and e) any other requirements specified by the MassDEP in any approval(s) and/or order(s) issued to the facility. <p>Maintain a copy of the Standard Operating and Maintenance Procedure (SOMP) for each coating line on-site at all times.</p> |
| <u>EU No.</u> 31-DF, 33-DF, 34-DF, 36-DF, 38-DF, 39-DF, 40-DF, 41-DF, 52-DF | <p>13.) In accordance with Plan Approval No. 4P07024, textile process emissions (VOC and HAP) from all Duro Finishing Plant operations, shall be quantified and documented daily for incorporation into monthly and consecutive 12-month period emissions.</p> <p>14.) 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 Conditional Approval.</p> |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|---|---|
| <u>EU No.</u> 31-DF, 33-DF, 34-DF, 36-DF, 38-DF, 39-DF, 40-DF, 41-DF, 52-DF | 15.) 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. |
| | 16.) 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. |
| <u>EU No.</u> 38-DF | 17.) 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. (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(b)(3)(ii)) |
| | 18.) In accordance with Plan Approval No. 4P07024, the static pressure (measured in Inches of H ₂ 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. (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(b)(3)(ii)) |
| | 19.) 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"> a) the facility coating identification number; b) density of coating (pounds per gallon); c) pounds of VOC/HAPs per gallon coating, as applied; d) pounds of solids per gallon coating, as applied; e) pounds of VOC/HAPs per pound solids, before control; f) pounds of VOC/HAPs per pound solids, after control; |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|---|--|
| <u>EU No.</u> 38-DF | <p>20.) In accordance with Plan Approval No. 4P07024, maintain dated daily 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"> a) specific facility coating identification number; b) start time of run, end time of run, duration of run; c) amount of each coating used (gallons); d) pounds of VOC/HAPs per gallon coating; e) pounds of VOC/HAPs per pound of solids, as applied(including any mix room adjustments); f) Coater Thermal Oxidizer minimum temperature over duration of run; g) Coater Thermal Oxidizer minimum, three hour rolling average, temperature over duration of run. <p>(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(b)(3)(ii));</p> <ul style="list-style-type: none"> h) maximum (minimum negative), three hour rolling average, static pressure at the inlet to the induced draft fan over duration of run. <p>(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(b)(3)(ii)).</p> |
| <u>EU No.</u> 38-DF, 40-DF, 41-DF | <p>21.) 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>22.) 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"> a) the facility coating identification number; b) density of coating (pounds per gallon); c) pounds of VOC/HAPs per gallon coating, as applied; d) pounds of solids per gallon coating, as applied; e) pounds of solids per gallon solids, as applied; f) gallons of solids per gallon coating, as applied; g) pounds of VOC/HAPs per pound solids, as applied; h) pounds of VOC per gallon solids, as applied. |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|---|--|
| <u>EU No.</u> 38-DF, 52-DF | 23.) 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. |
| <u>EU No.</u> 39-DF, 41-DF | 24.) 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): <ul style="list-style-type: none"> 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. 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. c) Duro shall calculate fuel-burning emissions using the appropriate emission factors contained in AP-42. |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP | 25.) 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. |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP 47-DTP | 26.) 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. |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP 48-DTP, 49-DTP | 27.) 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. |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|---|--|
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP 48-DTP, 49-DTP, 50-DTP | 28.) 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. |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP 48-DTP, 49-DTP, 50-DTP | 29.) 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: a) Secondary current (DC mA) b) Secondary voltage (DC kV) c) High Voltage Power (on/off) d) Spray Fogger Operation (on/off) e) Fogging spray water supply valve position (fully open) |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP 48-DTP, 49-DTP, 50-DTP | 30.) 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 approved LPA 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. |
| <u>EU No.</u> 47-DTP | 31.) In accordance with Plan Approval No. 4P98024, maintain copies of all pH monitor records. |
| <u>EU No.</u> 49-DTP | 32.) 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. |
| <u>EU No.</u> 50-DTP | 33.) In accordance with Plan Approval No. 4P94097: 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. 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. c) Duro shall calculate fuel-burning emissions using the approved emission factors as contained in Plan Approval 4P94097. |
| <u>EU No.</u> 52-DF | 34.) 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: a) the date and description of any repair or replacement of a mixing tank lid. b) any other requirements specified by the MassDEP in any approval(s) issued under 310 CMR 7.18(20) or any order(s) issued. |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|---|---|
| <u>EU No.</u> 52-DF | 35.) 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. |
| Dyeing and Finishing Operations: EU Nos. 31-DF, 33-DF, 34-DF, 36-DF, 39-DF, 48-DTP, 49-DTP, 50-DTP | 36.) In accordance with §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. |
| | 37.) In accordance with 63.4312(c)(2)(ii), Duro 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. |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|--|--|
| Web Coating and Printing operations: EU Nos. 38-DF, 40-DF, 41-DF, 43-DTP, 44-DTP, 45-DTP, 46-DTP, 52-DF, 53-FAC | 38.) In accordance with §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. |
| | 39.) In accordance with 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. |
| | 40.) In accordance with 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. |
| | 41.) In accordance with 63.4300(c) & 63.4342(g), 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. |
| | 42.) In accordance with 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. |
| | 43.) In accordance with 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. |
| | 44.) In accordance with 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. |
| | 45.) In accordance with 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. |
| | 46.) In accordance with 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. |
| | 47.) In accordance with 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. |

Table 5

| EU No. | RECORD KEEPING REQUIREMENTS |
|----------------------|---|
| Facility-wide | 48.) 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: <ul style="list-style-type: none"> 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. |
| | 49.) In accordance with 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. |
| | 50.) In accordance with 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. |
| | 51.) In accordance with 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. |
| | 52.) In accordance with 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. |
| | 53.) In accordance with 63.4312(i), the Permittee shall keep records of the date, time, and duration of each deviation (as defined at §63.4371). |
| | 54.) 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. |
| | 55.) 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. |
| | 56.) 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. |

Table 5

| Table 5 | |
|----------------------|--|
| EU No. | RECORD KEEPING REQUIREMENTS |
| Facility-wide | <p>57.) 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:</p> <ul style="list-style-type: none"> a) The date, place as defined in the permit, and the time of sampling or measurements; b) The date(s) analyses were performed; c) The company or entity that performed the analyses d) The analytical techniques or methods used; e) The results of such analyses; and <p>The operating conditions as existing at the time of the sampling or measurement.</p> |

Table 6

REPORTING REQUIREMENTS

| EU No. | REPORTING REQUIREMENTS |
|---|--|
| <u>EU No.</u> 16-DTP | 1.) In accordance with Plan Approval No. 4B94184, the Regional Bureau of Waste Prevention, Permit Chief, must be notified ^(Note 1) 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. |
| <u>EU No.</u> 31-DF, 33-DF, 34-DF, 36-DF, 38-DF, 39-DF, 40-DF, 41-DF, 52-DF | 2.) 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. |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP | 3.) 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. |
| <u>EU No.</u> 43-DTP, 44-DTP, 45-DTP, 46-DTP, 48-DTP,49-DTP, 50-DTP | 4.) In accordance with Plan Approval No. 4P11013, the MassDEP Compliance/Enforcement Chief for the Bureau of Waste Prevention, 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. |

Table 6

REPORTING REQUIREMENTS

| EU No. | REPORTING REQUIREMENTS |
|--|--|
| Web Coating and Printing operations: EU Nos. 38-DF, 40-DF, 41-DF, 43-DTP, 44-DTP, 45-DTP, 46-DTP, 52-DF, 53-FAC | 5.) In accordance with 63.4311(a)(7), 63.4341(b), & 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 this section. This includes periods of startup, shutdown, and malfunction during which deviations occurred. |
| | 6.) In accordance with 63.4342(c), the Permittee must demonstrate continuous compliance with each operating limit required by §63.4292 that applies to you, as specified in Table 2 to this subpart. 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). 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. |
| | 7.) In accordance with Table 2 to Subpart OOOO of Part 63, the Permittee shall submit a monitoring plan to the Administrator that identifies operating parameters to be monitored according to §63.4364(e). |
| | 8.) In accordance with 40 CFR 63.4311(b), the Permittee shall 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). |
| | 9.) In accordance with 40 CFR 63.4311(c), the Permittee shall submit startup, shutdown, and malfunction reports as specified in §63.10(d)(5). |
| Facility-wide | 10.) In accordance with 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)(i)-(v) in addition to §63.4311(a)(4), §63.4311(a)(6), §63.4311(a)(7) and §63.4311(c)(1), as applicable. |
| | 11.) 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. |
| | 12.) 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. |
| | 13.) In accordance with 40 CFR 63.9(j), any change to information already provided within 15 calendar days after the change. |
| | 14.) 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. |

Table 6

REPORTING REQUIREMENTS

| EU No. | REPORTING REQUIREMENTS |
|----------------------|---|
| Facility wide | 15.) 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, Duro Textiles, LLC shall cause such stack testing to be summarized and submitted to the MassDEP as prescribed in the agreed-to test protocol. |
| | 16.) In accordance with 310 CMR 7.00 Appendix C (10)(f), promptly report ^(Note 1) 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. |
| | 17.) 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. |
| | 18.) All MassDEP notifications ^(Note 1) and reporting ^(Note 2) required by this Operating Permit shall be made to the attention of: <div style="text-align: center;"> Department of Environmental Protection Bureau of Waste Prevention Southeast Regional Office 20 Riverside Drive Lakeville, MA 02347 ATTN: Chief, Permit Section Telephone: (508) 946-2770 Fax: (508) 947-6557 </div> |
| | 19.) In accordance with 310 CMR 7.00, Appendix C (10)(a), Duro Textiles, LLC 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. |
| | 20.) 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. |

Table 6 notes

(Note 1) Unless otherwise indicated all notifications shall be made in accordance with the time frames stated in Section 25 of this Operating Permit.

(Note 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:

Table 7

| REGULATION | DESCRIPTION/REASON |
|-------------------------|--|
| 310 CMR 7.16 | Reduction of Single Occupant Commuter Vehicle Use/ Below Threshold |
| 42 U.S.C. 7401, §112(r) | Prevention of accidental releases/ Below Thresholds |
| 42 U.S.C. 7401, §601 | Stratospheric Ozone/ No applicable activities |

5. SPECIAL TERMS AND CONDITIONS

The permittee is subject to the following special provisions that are not contained in Table 3, 4, 5, and 6:

1. The Emission Units shall continue to emit through the stack parameters as listed in **Table 8**:

| Table 8- Emission Unit Stack Parameters | | | | | | |
|--|---------------------|---------------------|-----------------------|----------------------|-------------------------|-----------------------|
| Emission Unit (EU) | Stack Number | Stack Height | Stack Diameter | Exit Velocity | Exit Temperature | Stack Material |
| 1-P2, 2-P2, 3-P2, 4-P2 | 35 | 162.7 ft. | 48 in. | 2.1 to 34 fps | to 410° F | Masonry |
| 5-DTP | 29 | 58 ft. | 24 in. | 8.4 to 136 fps | to 410° F | Steel |
| 6-DF, 7-DF, 8-DF, 9-DF | 000 | 192 ft. | 32 in. | to 63.2 fps | 285 to 370° F | Gunite |
| 12-DTP, 14-DTP 15-DTP, 16-DTP | 27 | 130 ft. | 60 in. | 6.2 fps | 450° F | Brick |
| 17-DF, 33-DF, 36-DF | 10A | 50 ft. | 24 in. | to 68 fps | 300 to 500° F | Steel |
| 19-DF, 34-DF | 15 | 50 ft. | 24 in. | to 68 fps | 300 to 500° F | Steel |
| 31-DF | 5,6 | 25 ft. | 21 in. (square) | to 23.3 fps | 200 to 300° F | Steel |
| 38-DF | 18 | 35 ft. | 46 in. | to 16.7 fps | to 1400° F | Steel |
| 40-DF | 17 | 35 ft. | 26 in. | to 33.3 fps | 200 to 300° F | Steel |
| 41-DF | 44 | 35 ft. | 18 in. x 18 in. (44) | to 25 fps | 200 to 300° F | Steel |
| 43-DTP, 44-DTP 45-DTP | 33 | 58 ft. | 36 in. x 40 in. | 12.5 to 44.5 fps | 100 to 120° F | Steel |
| 46-DTP, 48-DTP 49-DTP, 50-DTP | 34 | 52 ft. | 53 in. x 69 in. | 5.3 to 21.3 fps | 100 to 120° F | Steel |

2. 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.
3. In accordance with 310 CMR 7.19(6)(a), for emission units No. 3-P2, 4-P2, 5-DTP, 7-DF, 8-DF, and 9-DF, 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 *Combustion Efficiency Optimization Manual for Operators of Oil and Gas fired Boilers* (EPA 340/1-83-023).
4. In accordance with Plan Approval No(s). 4P93103 and 4P98024, 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.

5. In accordance with Plan Approval No. 4P07024, Duro 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.
6. In accordance with 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 oven LEL monitors, at < 50% of the Lower Explosive Limit (LEL). Under an 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.
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 6. or 310 CMR 7.18(8)(a)6. through 9.

In accordance with 310 CMR 7.18(8)(d), 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:
 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
 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
 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.
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. Duro 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.

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.

Pursuant to 310 CMR 7.00: Appendix C(7)(b), emission trades, provided for in this permit, may be implemented provided the Permittee notifies The United States Environmental Protection Agency (EPA) and the MassDEP at least fifteen (15) days in advance of the proposed changes and the Permittee provides the information required in 310 CMR 7.00: Appendix C(7)(b)3.

Any intra-facility change that does not qualify pursuant to 310 CMR 7.00: Appendix C(7)(b)2 is required to be submitted to the MassDEP pursuant to 310 CMR 7.00: Appendix B.

(b) Inter-facility emission trading

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

All increases in emissions due to emission trading, must be authorized under the applicable requirements of 310 CMR 7.00: Appendix B (the "Emissions Trading Program") and the 42 U.S.C. §7401 et seq. (the "Act"), and provided for in this permit.

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 permit. The report shall be postmarked or delivered by January 30 to the MassDEP and to the Regional Administrator, 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:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
- iv. 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:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;
- iv. whether there were any deviations during the reporting period;
- v. if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
- vi. whether deviations in the reporting period were previously reported;
- vii. if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
- viii. if the deviations in the reporting period have returned to compliance and date of such return to compliance; and
- ix. 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:

- (i) the liability of the source for any violation of applicable requirements prior to or at the time of permit issuance.
- (ii) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or
- (iii) 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 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 based³ emission limitations specified in this permit as a result of an emergency⁴. In order to use emergency as an 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.

³ 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.

⁴ 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, 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.

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 supercede the following deviation reporting requirements, if applicable.

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

- 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.
- 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.
- Exceedances of permit operational limitations directly correlated to excess emissions.
- 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.
- Failure to perform QA/QC measures as required by your Operating Permit or other approvals for instruments that directly monitor compliance.

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 Massachusetts Department of Environmental Protection Bureau of Waste Prevention 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 or fax within 3 days of discovery, said deviations shall also be submitted in writing via the Operating Permit Deviation Report to the regional Bureau of Waste Prevention 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. LIST OF ABBREVIATIONS

| | |
|---------------------|--|
| AQ | Air Quality |
| BACT | Best Available Control Technology |
| BTU | British Thermal Unit |
| c. | Chapter |
| CEMS | Continuous Emissions Monitoring System |
| CFR | Code of Federal Regulations |
| CF | Cubic feet |
| CMR | Code of Massachusetts Regulations |
| CO | Carbon Monoxide |
| COMS | Continuous Opacity Monitoring System |
| DDS | Design Data Sheet |
| ° C | degrees Celsius |
| ° F | degrees Fahrenheit |
| EPA | U.S. Environmental Protection Agency |
| EU | Emission Unit |
| FMF FAC. NO. | Facility Master File Number |
| FMF RO. NO. | Facility Master File Regulated Object Number |
| ft. | feet |
| Ft/hr | feet per hour |
| fps | feet per second |
| G/hr | Gallons per hour |
| g.v. | general ventilation |
| H ₂ O | Water |
| HAP | Hazardous Air Pollutant(s) |
| in. | Inches |
| I/A | Insignificant Activity |
| lbs/hr | Pounds Per Hour |
| lbs/min | Pounds per minute |
| lbs/MMBtu | Pounds per Million British Thermal Units |
| lbs/yd | Pounds per yard |
| Lbs VOC/gal solids | Pounds of VOC per Gallon of Solids |
| Lbs VOC/ Lbs solids | Pounds of VOC per Pound of Solids |
| LEL | Lower explosive limit |
| MACT | Maximum Achievable Control Technology |
| MassDEP | Massachusetts Department of Environmental Protection |
| M.G.L. | Massachusetts General Law |
| MCF | Thousand cubic feet |
| MMcf | Million cubic feet |
| MMBtu/ hr | Million British Thermal Units Per Hour |
| NG | Natural Gas |
| N/A | Not Applicable |
| NH ₃ | Ammonia |
| No. | Number |
| NO _x | Oxides of Nitrogen |
| O ₂ | Oxygen |
| PCD | Pollution Control Device |

| | |
|-----------------|--|
| pH | Potential of Hydrogen (acid-alkaline scale) |
| PLT ID | Plant Identification |
| PM | Particulate Matter |
| PM-10 | Particulate matter -10 micron diameter or less |
| PPB | Parts per Billion |
| PPM | Parts per Million |
| PSD | Prevention of significant deterioration |
| PSEU | Pollutant-Specific Emission Unit |
| QA | Quality Assurance |
| QC | Quality Control |
| S | Sulfur (i.e. Sulfur Content in Fuel) |
| SO ₂ | Sulfur Dioxide |
| SCFM | Standard cubic feet per minute |
| tpy | Tons per Year |
| tpm | Tons per month |
| U.S.C. | United States Code |
| VOC | Volatile Organic Compound |
| YPH | Yards per hour |
| YPM | Yards per minute |
| WT | Weight |
| WESP | Wet Electrostatic Precipitator |
| < | Less Than |
| > | Greater Than |
| ≤ | Less Than or Equal To |
| ≥ | Greater Than or Equal To |
| % | Percent |
| § | Section |

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.