

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF AIR RESOURCES

In Re:

Bradford Dyeing Association, Inc.
460 Bradford Road
Westerly, RI 02891

PUBLIC RECORDS

In Reference to A.H. File No. 95-28-AP

CONSENT AGREEMENT

This Consent Agreement is entered by and between the Rhode Island Department of Environmental Management, Division of Air Resources (hereinafter "the Division"), and Bradford Dyeing Association, Inc., 460 Bradford Road, Westerly, RI 02891 (hereinafter "BDA"), pursuant to the Rhode Island Clean Air Act, Title 23, Chapter 23 of the General Laws of the State of Rhode Island and Providence Plantations, as amended, and the Air Pollution Control Regulations adopted in accordance therewith, and the Department of Environmental Management Act, R.I.G.L. 42-17.1-2 et seq., and constitutes an alternative RACT determination pursuant to Section 27.4.8 of Air Pollution Control Regulation No. 27, effective 1 February 1994.

BDA is regulated under Air Pollution Control Regulation No. 27, entitled "Control of Nitrogen Oxides Emissions." In order to assure that BDA complies and/or continues to comply with the provisions of Air Pollution Control Regulation No. 27, the Division and BDA hereby agree as follows:

1. That the Division has jurisdiction over the subject matter of this Consent Agreement and over the parties consenting to this Consent Agreement.

2. That BDA is subject to the provisions of Title 23, Chapter 23 of the Rhode Island General Laws, as amended, and the Air Pollution Control Regulations adopted in accordance therewith.

3. That the provisions of this Consent Agreement shall apply to, and be binding upon BDA, its officers, directors, agents, servants, employees, operators, successors and assignees and persons, firms and corporations acting under, through and for it.

4. BDA warrants that, at its Westerly facility, the following nitrogen oxides (hereinafter "NOx") emitting equipment is the only equipment subject to the requirements of Regulation No. 27:

<u>Boilers</u>	<u>Type of Fuel Combusted</u>	<u>Maximum Heat Input Capacity (mmBTU/hr)</u>
B & W Boiler	#6 fuel oil	114.5
Boiler No. 2	#6 fuel oil	33.0
Foster Wheeler Boiler	#6 fuel oil	114.5

<u>Combustion Engines</u>	<u>Type of Fuel Combusted</u>	<u>Maximum Heat Input Capacity (mmBTU/hr)</u>
Emergency Generator	diesel	3.2
Fire Pump Engine	diesel	1.7

<u>Miscellaneous Sources</u>	<u>Type of Fuel Combusted</u>	<u>Maximum Heat Input Capacity (mmBTU/hr)</u>
Tenterframe No. 1	natural gas/propane	8.0
Tenterframe No. 2	natural gas/propane	12.0
Tenterframe No. 3	natural gas/propane	15.0

Tenterframe No. 4	natural gas/propane	16.8
Tenterframe No. 8	natural gas/propane	4.0
Hunterframe	natural gas/propane	12.0
No. 1 Coating Frame	natural gas/propane	14.0
No. 2 Coating Frame	natural gas/propane	5.0
Print Machine No. 1	natural gas/propane	10.0
Print Machine No. 2	natural gas/propane	8.0
Print Machine No. 3	natural gas/propane	8.0
Contact Heat Set Unit	natural gas/propane	3.0
Embossing Calender	natural gas/propane	1.0
Schreiner Calender	natural gas/propane	1.0
Lining Calender	natural gas/propane	1.0
Friction Calender	natural gas/propane	1.0
No. 3 Ager/Oil Heater	natural gas/propane	2.3
2 DuPont Range Singer	natural gas/propane	2.0
Singer	natural gas/propane	2.0
Thermasol Range	natural gas/propane	7.0
Pad Can Range	natural gas/propane	1.5

5. That BDA shall install low NOx burners and 10 percent flue gas recirculation on the Foster Wheeler Boiler within 30 days of the execution of this Consent Agreement.

6. That BDA shall perform a tune-up on Boiler #2 on or before 31 May 1996, and prior to 31 May of each subsequent year of operation, in accordance with the procedure described in Appendix A of Air Pollution Control Regulation No. 27, and BDA shall keep all required records.

7. That for the B&W Boiler, BDA shall comply with the following:

- a. From 1 April through 31 August, BDA shall operate the B & W Boiler only in the event of an emergency. An emergency situation is defined as the loss of availability of the Foster Wheeler Boiler. Loss of availability of the Foster Wheeler Boiler does not include planned outages for routine maintenance. During the ozone season, the B&W Boiler shall operate on residual oil only if natural gas is not available;
- b. BDA shall perform a tune-up on the B&W Boiler on or before 31 May 1996, and at least once each subsequent year of operation, thereafter. The tune-up shall be performed in accordance with the procedure described in Appendix A of Air Pollution Control Regulation No. 27, and BDA shall keep all required records;
- c. BDA shall not exceed 497,753 gallons of #6 fuel oil for the B&W Boiler during any consecutive twelve month period. If BDA does exceed the 497,753 gallons of #6 fuel oil limit, the B&W Boiler must immediately comply with the RACT requirements specified in Section 27.4.2 of Air Pollution Control Regulation No. 27. Failure to immediately comply with Section 27.4.2 shall subject BDA to enforcement actions, which may include monetary penalty;
- d. Within 15 days of the execution of this Consent Agreement, BDA shall install, operate and maintain a fuel flow meter on the B&W Boiler;
- e. The fuel flow meter reading shall be checked and recorded at the

beginning and end of each shift during which the B&W Boiler was operated.

8. That to demonstrate compliance with item 7 above, BDA shall document and maintain records of the following:
 - a. The condition(s) causing any loss of availability of the Foster Wheeler Boiler, as well as the duration of the condition;
 - b. The condition(s) causing natural gas to be not available, while the B&W Boiler is operating during the ozone season, including notification from the fuel supplier of the length of time that such a condition is projected to continue;
 - c. On a monthly basis, no later than five days after the first of each month, BDA shall determine and record the total fuel usage for the B&W Boiler for the previous twelve month period;
 - d. BDA shall notify the Division, in writing, within seven working days whenever the fuel usage for the B&W Boiler exceed 497,753 gallons of #6 fuel oil in any consecutive twelve month period.

9. That for the combustion engines listed in item 4 of this Consent Agreement, BDA shall comply with the following:
 - a. BDA shall not exceed 500 hours of operation, for each engine, during any

consecutive twelve month period. If BDA does exceed the 500 hours of operation limit, the engine must immediately comply with the RACT requirements specified in Subsection 27.4.3 of Air Pollution Control Regulation No. 27. Failure to immediately comply with Subsection 27.4.3 shall subject BDA to enforcement actions, which may include monetary penalty;

- b. Within fifteen days of the execution of this Consent Agreement, BDA shall install, operate and maintain a non-resettable elapsed time meter on each engine;
- c. The elapsed time meter readings shall be checked and recorded at the beginning and end of each shift during which the engine was operated;
- d. On a monthly basis, no later than five days after the first of each month, BDA shall determine and record the total hours of operation for each engine, for the previous twelve month period;
- e. BDA must notify the Division, in writing, within seven working days whenever the hours of operation for either engine exceed 500 hours in any consecutive twelve month period;
- f. BDA must maintain records to certify that the ignition timing of each engine has been inspected and adjusted at least once every three years.

10. That the miscellaneous sources, listed in item 4 of this Consent Agreement, have

potential NOx emissions below ten (10) tons per year and are, therefore, not subject to the RACT requirements contained in Regulation No. 27.

11. That within 90 days of the execution of this consent agreement, BDA shall perform emission testing, as specified in Section 27.5 of Regulation No. 27, for the Foster Wheeler Boiler.
12. That BDA shall comply with all applicable record keeping and reporting requirements contained in Section 27.6 of Regulation No. 27, as revised.
13. That all records required by this Consent Agreement and by Regulation No. 27 must be maintained by BDA at the Westerly facility for a period of five years, and made available to representatives of the Division and United States Environmental Protection Agency upon request. Failure to maintain or produce the required records is a violation of this Consent Agreement.
14. BDA shall conduct a RACT review every three years after 31 May 1995 until the requirements of 27.4.2 and 27.4.3 are met. This RACT review shall be submitted to the Division and shall include the information specified in Section 27.4.8(a).
15. That it is agreed and understood by the parties that the implementation of the

requirements of this Consent Agreement does not relieve BDA from compliance with any and all requirements of the Rhode Island Clean Air Act and applicable Air Pollution Control Regulations, or with any applicable Air Pollution Control Regulations that become effective and/or amended subsequent to the execution of this Consent Agreement.

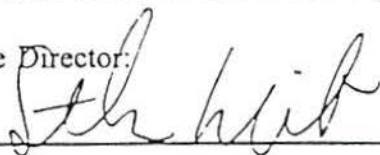
16. That this Consent Agreement shall be deemed entered as of the date of execution by the parties hereto. The Director of the Department of Environmental Management may, however, for good cause shown, defer any of the compliance dates as prescribed herein upon a timely request to do so.

Consented to in Substance and in Form:

State of Rhode Island and Providence Plantations

Department of Environmental Management

For the Director:



Stephen Majkut, Chief

Division of Air Resources

17 NOV 95

Date

Bradford Dyeing Association, Inc. hereby agrees to the above Consent Agreement, which

becomes effective immediately upon being entered and issued.

Nov. 14th, 1995

Date

Authorized Representative:

J. Mans. Badger
Signature

TECHNICAL DIRECTOR

Title