19 March 2003

Mr. Richard A. Leach
Plant Engineer
Microfibres, Inc.
1 Moshassuck Street
Pawtucket, RI 02862-1208

Dear Mr. Leach:

The Department of Environmental Management, Office of Air Resources has reviewed and approved your application for the installation of fuel burning equipment at your facility located at 1125 Main Street, Pawtucket.

Enclosed is a minor source permit issued pursuant to our review of your application (Approval No. 1744).

During the course of our review of your application, we determined that the fuel burning equipment was installed in 2002. Microfibres, Inc. failed to obtain a preconstruction permit prior to the installation of this equipment as required by RI Air Pollution Control Regulation No. 9.

Be advised that issuance of this permit does not limit or otherwise preclude the RI DEM from pursuing enforcement actions to address the violations stated above.

If there are any questions concerning this permit, please contact me at 222-2808, extension 7011.

Sincerely,

Douglas L. McVay
Associate Supervising Engineer
Office of Air Resources

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

MINOR SOURCE PERMIT

MICROFIBRES, INC.

APPROVAL NO. 1744

Pursuant to the provisions of Air Pollution Control Regulation No. 9, this minor source permit is issued to:

Microfibres, Inc.

For the following:

Installation of a Cleaver Brooks 200-hp firetube boiler, Model No. CB-200 (Approval No. 1744). The fuel burning equipment shall be fired with either natural gas or No. 6 fuel oil containing 1.0 percent sulfur, by weight, or less.

Located at: *1125 Main Street, Pawtucket*

This permit shall be effective from the date of its issuance and shall remain in effect until revoked by or surrendered to the Department. This permit does not relieve *Microfibres, Inc.* **from compliance with applicable state and federal air pollution control rules and regulations. The design, construction and operation of this equipment shall be subject to the attached permit conditions and emission limitations.**

Stephen Majkut, Chief
Office of Air Resources

Date of Issuance

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

Permit Conditions and Emission Limitations

MICROFIBRES, INC.

APPROVAL NO. 1744

A. Emission Limitations - The following emission limitations are applicable to the Cleaver Brooks 200-hp boiler, Model No. CB-200, capable of burning No. 6 fuel oil or natural gas. The maximum capacity of this boiler shall be 8.4 MMBtu/hr.

1. Oil Firing

a. Nitrogen Oxides (as nitrogen dioxide (NO_2))

The emission rate of nitrogen oxides discharged to the atmosphere from the boiler shall not exceed 0.50 lbs per million BTU heat input or 4.2 lbs/hr, whichever is more stringent.

b. Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from the boiler shall not exceed 0.08 lbs per million BTU heat input or 0.67 lbs/hr, whichever is more stringent.

c. Sulfur Dioxide (SO_2)

(1) All fuel burned in the boiler shall contain no more than 1.0 percent sulfur by weight.

(2) The emission rate of sulfur dioxide discharged to the atmosphere from the boiler shall not exceed 8.8 lbs/hr.

d. Particulate Matter

The emission rate of particulate matter discharged to the atmosphere from the boiler shall not exceed 0.1 lbs per million BTU heat input or 0.84 lbs/hr, whichever is more stringent.

e. Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from the boiler shall not exceed 0.035 lbs per million BTU heat input or 0.29 lbs/hr, whichever is more stringent.

2. Natural Gas Firing

a. Nitrogen oxides (as nitrogen dioxide (NO_2))

The emission rate of nitrogen oxides discharged to the atmosphere from the boiler shall not exceed 0.12 lbs per million BTU heat input or 1.0 lbs/hr, whichever is more stringent.

b. Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from the boiler shall not exceed 0.15 lbs per million BTU heat input or 1.26 lbs/hr, whichever is more stringent.

c. Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from the boiler shall not exceed 0.016 lbs per million BTU heat input or 0.13 lbs/hr, whichever is more stringent.

3. Visible emissions from the boiler stack shall not exceed 10% opacity (6-minute average).

B. Operating Requirements

1. The maximum firing rate of the boiler shall not exceed 56.0 gal/hr of No. 6 fuel oil or 8,370 ft^3/hr of natural gas.

2. The owner/operator shall limit the quantity of No. 6 fuel oil and natural gas fired in this boiler to comply with the facility-wide cap limit of 1,250,000 gallons or less of residual fuel oil equivalents for any consecutive 12-month period, as contained in Emission Cap No. 01-64.

C. Continuous Monitors

1. Continuous emission monitoring equipment shall be installed, operated and maintained for opacity when the boiler is operating on fuel oil.

D. Fuel Oil Testing

1. Compliance with the fuel oil sulfur limit may be determined based on a certification from the fuel supplier. Fuel supplier certifications shall include the following information:

   a. The name of the fuel supplier;

   b. The sulfur content of the fuel from which the shipment came or the shipment itself;

   c. The location of the fuel when the sample was drawn for analysis to determine the sulfur content of the fuel, specifically including whether the fuel was sampled as delivered to Microfibres, Inc. or whether the sample was drawn from fuel in storage at the fuel supplier's facility or another location;

   d. The method used to determine the sulfur content of the fuel.

2. As an alternative to fuel supplier certification, the owner/operator may elect to sample the fuel prior to combustion. Sampling and analysis shall be conducted for the fuel in the initial tank of fuel to be fired in the boiler and after each new shipment of fuel is received. Samples shall be collected from the fuel tank immediately after the fuel tank is filled and before any fuel is combusted.

3. Each fuel supplier certification or each fuel oil analysis must demonstrate that the oil contains 1.0 percent sulfur by weight or less.

E. Record Keeping and Reporting

1. The owner/operator shall, on a monthly basis, no later than 5 days after the first of the month, determine and record the total quantity of No. 6 fuel oil and natural gas combusted in the boiler. All fuel combusted in this boiler shall be included in the determination of fuel use for the entire facility under Condition C.1 of Emissions Cap No. 01-64.

2. The owner/operator shall notify the Office of Air Resources, in writing within 30 days, whenever the fuel usage for the entire facility for any 12-month period exceeds 1,250,000 gallons of residual fuel oil equivalents for the combined quantity of No. 6 fuel oil and natural gas.

3. The owner/operator shall maintain copies of all fuel supplier certifications or fuel analyses and these copies shall be made accessible for review by the Office of Air Resources or its authorized representative and EPA. These records shall include a certified statement, signed by the owner/operator of the facility, that the records represent all of the fuel combusted in the boiler.

4. The owner/operator shall notify the Office of Air Resources in writing of any planned physical or operational change to any equipment that would:

   a. Change the representation of the facility in the application.

   b. Alter the applicability of any state or federal air pollution rules or regulations.

   c. Result in the violation of any terms or conditions of this permit.

   d. Qualify as a modification under APC Regulation No. 9.

   Such notification shall include:

   - Information describing the nature of the change.
   - Information describing the effect of the change on the emission of any air contaminant.
   - The scheduled completion date of the planned change.

   Any such change shall be consistent with the appropriate regulation and have the prior approval of the Director.

5. The owner/operator shall notify the Office of Air Resources of any anticipated noncompliance with the terms of this permit or any other applicable air pollution control rules and regulations.

6. The owner/operator shall notify the Office of Air Resources of any noncompliance with the terms of this permit, in writing, within 5 days of the occurrence.

7. All records required as a condition of this approval must be made available to the Office of Air Resources or its representative upon request. These records must be maintained for a minimum of five years after the date of each record.

F. Other Permit Conditions

1. To the extent consistent with the requirements of this approval and applicable Federal and State laws, the facility shall be designed, constructed and operated in accordance with the representation of the facility in the permit application.

2. Employees of the Office of Air Resources and its authorized representatives shall be allowed to enter the facility at all times for the purpose of inspecting any air pollution source, investigating any condition it believes may be causing air pollution or examining any records required to be maintained by the Office of Air Resources.

3. At all times, including periods of startup, shutdown and malfunction, the owner/operator shall, to the extent practicable, maintain and operate the facility in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source.