Permit No. PO-B-1503
County Grafton
Permit Fee N/A

STATE OF NEW HAMPSHIRE
Air Resources Agency

Permit to Operate

This Certifies that Dartmouth College Heating Plant has been granted a Permit to Operate for
#4 Combustion Engineering Boiler (Installed in 1966)
device which emits air pollutants into the ambient air as set forth in
equipment registration forms (APCA 1-6), filed with this Agency under
date of August 3, 1981
in accordance with RSA 125-C of the New Hampshire laws of 1979 (amended 1981)
This permit is valid until August 31, 1987
Request for permit renewal is subject to Agency requirements and must be accompanied by the appropriate equipment registration forms.

This permit is valid provided the device is operated in accordance with all the legally enforceable conditions specified in Items 1 through 8 below:

1. The emission of air pollutants are limited by NH Air Resources Commission Regulation(s) and/or as stipulated as follows:

   CHAPTERS Air 400 and 1200; PART Air 1202

2. The maximum operating rate is limited to:

   107 lb/hr, gal/hr, tons/hr, million BTU/hr gross input of #6 oil at 2.0% sulfur, max. % solids

3. The operating hours of the device are limited to:

   24 hrs/day 335 days/yr

4. The opacity of emissions may not exceed 40 %.

5. Other conditions

   #4 boiler is used for base load. Normal hourly production is 70,000 pounds of superheated steam at 450 PSIG/650°F contributing to a maximum allowable total plant production of 180,000 lbs steam/hr (maximum 1-hr average) and 143,000 lbs steam/hr (maximum 6-hr running average) based on feed water temperature of 258°F. Steam production logs shall be retained for two years and shall be available at the facility for Agency inspection.

SEE ATTACHED SHEET FOR ADDITIONAL CONDITIONS.

Concord, NH January 6, 1986

[Signature]
Director, Air Resources Agency

2/4/86

FORM NO. ARA-7
Dartmouth College Heating Plant
Permit to Operate (Amended) ATTACHMENT

PO-B-1503
#4 Combustion Engineering Boiler (Installed in 1966)

Reports shall be made to the Agency on a quarterly basis which at
a minimum shall include the maximum 1-hr and 6-hr plant steam pro-
duction occurring during the reporting period.

Estimated annual fuel usage is 2,030,000 gallons until January 1987,
then 200,000 gallons per year.

State of New Hampshire Air Resources Agency
Dated: January 6, 1986