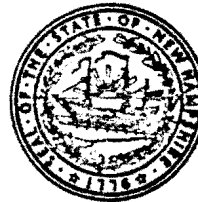


Permit No. PO-B-1503
County Grafton
Permit Fee N/A

STATE OF NEW HAMPSHIRE
Air Resources Agency

AMENDED



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, 19 81
in accordance with RSA 125-C of the New Hampshire laws of 1979 (amended 1981)
This permit is valid until August 31, 19 87~~

~~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 6 below:~~

~~1. The emission of air pollutants are limited by NH Air Resources Commis-
sion Regulation(s) (see below) 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.~~

~~The owner or operator of the device covered by this permit must notify the Agency within 15 calendar days of any change in the
proposed operation of the device covered by this permit which represents a significant deviation from the above permit conditions.~~

~~Any unavoidable malfunction, breakdown, or upset of the device, which results in emissions greater than those stipulated in this
permit, must be reported to the Agency within 8 working hours of the occurrence.~~

~~This permit (or a copy) should be appropriately displayed near the device for which it is issued.~~

Concord, NH January 6, 1986

Dennis L. Turcotte
Director, Air Resources Agency

2/4/86

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 production 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