

22 January 2016

Mr. Ronald Palardy
Plant Operations Supervisor
Landmark Medical Center
115 Cass Avenue
Woonsocket, RI 02895

Dear Mr. Palardy:

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 308 Cumberland Hill Road in Woonsocket, RI.

Enclosed is a minor source permit issued pursuant to our review of your application (Approval No. 2313).

Any source with the potential to emit greater than 50 tons per year of nitrogen oxides (NOx) is subject to the Operating Permit Program. Your facility is currently in the Operating Permit Program as a capped source, with allowable, actual emissions restricted to below the major source threshold. The Office of Air Resources has preliminarily determined that all fuel burning equipment at your facility has the potential to emit approximately 29.43 tons per year of nitrogen oxides (NOx). With the issuance of this minor source permit, your facility will no longer have the potential to exceed major source thresholds for all pollutants and therefore it is our intention to terminate your emissions cap. If you wish to retain your emissions cap, please notify the Office of Air Resources, in writing, within 30 days of the issuance of this permit.

If there are any questions concerning this permit, please contact me by telephone at 401-222-2808, extension 7028 or by email at aleida.whitney@dem.ri.gov.

Sincerely,

Aleida M. Whitney
Senior Air Quality Specialist
Office of Air Resources

cc: City of Woonsocket Building Official

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

MINOR SOURCE PERMIT

LANDMARK MEDICAL CENTER

APPROVAL NO. 2313

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

Landmark Medical Center

For the following:

Installation of a Burnham 300 HP fire-tube boiler, Model No. 4SP-300-50-GO-PF, equipped with flue gas recirculation. The boiler shall be fired with natural gas only.

Located at: *308 Cumberland Hill Road, Woonsocket, RI 02895*

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 *Landmark Medical Center* 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.

Douglas McVay, 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

LANDMARK MEDICAL CENTER

Approval No. 2313

- A. Emission Limitations – The following emission limitations are applicable to the Burnham boiler, Model No. 4SP-300-50-GO-PF, capable of burning natural gas. The heat input capacity of the boiler while firing natural gas is 12.099 MMBtu/hr.
1. Natural Gas Firing
 - a. Nitrogen oxides

The emission rate of nitrogen oxides discharged to the atmosphere from the boiler shall not exceed 0.088 lb per million BTU heat input or 1.06 lb/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 0.037 lb per million BTU heat input or 0.45 lb/hr, whichever is more stringent.
 - c. Total Non-methane Hydrocarbons (NMHC)

The emission rate of total non-methane hydrocarbons discharged to the atmosphere from the boiler shall not exceed 0.025 lb per million BTU heat input or 0.30 lb/hr, whichever is more stringent.
 2. Visible emissions from the boiler stack shall not exceed 10% opacity (6-minute average).
- B. Operating Requirements
1. The maximum firing rate of the Burnham 4SP-300-50-GO-PF boiler shall not exceed 12,099 ft³/hr of natural gas.
- C. Continuous Monitors
1. Natural gas flow for the boiler shall be continuously measured and recorded.

D. Record Keeping and Reporting

1. The owner/operator shall, on a monthly basis, no later than 15 days after the first of the month, determine the total quantity of natural gas combusted in the boiler. The owner/operator shall keep records of this determination and provide such records to the Office of Air Resources upon request.
2. The owner/operator shall notify the Office of Air Resources in writing of the date of actual initial start-up of the boiler no later than fifteen days after such date.
3. The owner/operator shall notify the Office of Air Resources in writing of any 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.

4. 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.
5. The owner/operator shall notify the Office of Air Resources, in writing, of any noncompliance with the terms of this permit within 30 calendar days of becoming aware of such occurrence and supply the Director with the following information:
 - a. The name and location of the facility;
 - b. The subject source(s) that caused the noncompliance with the permit term;
 - c. The time and date of first observation of the incident of noncompliance;

- d. The cause and expected duration of the incident of noncompliance;
 - e. The estimated rate of emissions (expressed in lbs/hr or lbs/day) during the incident and the operating data and calculations used in estimating the emission rate;
 - f. The proposed corrective actions and schedule to correct the conditions causing the incidence of noncompliance.
6. All records required in this permit shall be maintained for a minimum of five years after the date of each record and shall be made available to representatives of the Office of Air Resources upon request.

E. 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. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this permit have been achieved. 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.
- 4. The owner/operator is subject to the requirements of the Federal New Source Performance Standards 40 CFR 60, Subparts A (General Provisions), and Dc (Small Industrial-Commercial-Institutional Steam Generating Units). Compliance with all applicable provisions of these regulations is required.
- 5. The existing Bigelow boiler and the existing York Shipley boiler shall be fired with natural gas only.