Town of Dartmouth
Board of Health
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Outdoor Hydronic Heater Regulation Summary

Minimum distance of Outdoor Hydronic Heater (OHH) to property line: 50′ Residential*
275′ Commercial*

Minimum distance of Outdoor Hydronic Heater (OHH) to any occupied dwelling that it is not serving: 75′ Residential
300′Commercial

Permanent stack must extend two feet higher than the peak of any roof structure located within 150 feet of the proposed OHH, if the nearest outdoor hydronic heater is installed less than 150′ from the nearest occupied dwelling that it is not serving*

Prohibited fuels – No person shall cause, suffer, allow or permit the burning of any of the following items in an outdoor hydronic heater:

- Any wood that does not meet the definition of clean wood
- Garbage
- Tires
- Lawn clippings, leaves, brush trimmings, or general yard waste
- Materials containing asbestos
- Materials containing lead, mercury, or other heavy or toxic metals
- Materials containing plastic
- Materials containing rubber
- Waste petroleum products
- Paints and paint thinners
- Chemicals
- Coal
- Glossy or colored papers
- Construction and demolition debris
- Plywood
- Particleboard
- Salt water driftwood and other previously salt water saturated materials
- Manure
- Animal carcasses
- Asphalt products

Allowable fuels – No person that operates an outdoor hydronic heater shall cause, suffer, allow or permit the use of a fuel other than the following:

- Clean wood
- Wood pellets made from clean wood

Clean wood - means wood that has no paint, stains, or other types of coatings, and wood that has not been treated with preservatives, including but not limited to, copper chromium arsenate, creosote, or pentachlorophenol.

Residential size outdoor hydronic heater – means a heater with a rated thermal output of 350,000 Btu/hr or less as rated by the test method identified in 310 CMR 7.26 (54)(c)2.

- Residential OHH may not be installed within the Town of Dartmouth unless it has been certified to meet a particulate matter emission limit of 0.321b/MMBtu heat output. In addition, within each of the burn rate categories as established in EPA test method 28 for OWHH, no individual test run shall exceed eighteen (18) grams per hour.

- Commercial-size outdoor hydronic heater- means a heater with a rated thermal output greater than 350,000 Btu/hr and a heart input design capacity less than 1 MMBtu/hr as rated by the test method identified in 310 CMR 7.26(54)(c)2.

Commercial OHH may not be installed in the Town of Dartmouth unless it has been certified to meet a particulate matter emission standard of 0.32 lb/MMBtu heat output. In addition, within each of the burn rate categories as established in EPA test method 28 for OWHH, no individual test run shall exceed twenty (20) grams per hour.

Visible Emission Standard

1. No person shall cause, suffer, allow or permit the emission of air contaminants from any residential-size outdoor hydronic heater or commercial-size outdoor hydronic heater to exceed an average of 20 percent opacity for two minutes in any one-hour period.
2. No person shall cause, suffer, allow or permit the emission of air contaminants from any residential-size outdoor hydronic heater or commercial-size outdoor hydronic heater to exceed at any time 40 percent opacity for the first 6 minutes during the startup period of a new fire. For the remainder of the startup period no person shall cause or allow the emission of air contaminants from any outdoor hydronic heater to exceed a 20 percent opacity standard in any consecutive two minute average period. 310 CMR 7.26(52)(f)2 only applies to the initial firing of the unit where no coal bed exists and does not apply to refueling.
3. Opacity under this subsection shall be determined pursuant to EPA Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources (40 CFR Part 60, Appendix A).

The seller/distributor must provide to you a copy of 310 CMR 7.26 (50)-(54), the owner's manual, including operating & maintenance instructions, a written fact sheet provided by Department of Environmental Protection (DEP) and a copy of the certification as required by 310 CMR 7.26 (54) of the model to be installed.

All OHH installed in the Town of Dartmouth must meet the labeling requirements of 310 CMR 7.26 (54)(j).

***OHH Placement and stack height is subject to the provisions of the Town of Dartmouth's Zoning Bylaws and the aforementioned requirements specified may be in conflict with the Zoning bylaws. When the Zoning by-laws specify a greater property line setback, the greater distance must be adhered to. Furthermore, if a stack height exceeds the height limitation in the Zoning by-laws a permit will not be issued by the Board of Health until the required stack height is approved by the Zoning Board of Appeals.**

I have read and understand the above OHH regulation summary and agree to comply with these requirements:

_____ _____
Owner's name (print) Date

_____
Owner's signature

Full copies of the regulations are available for a fee or on the "web" at
http://www.town.dartmouth.ma.us/Pages/DartmouthMA_BComm/Health/regulations

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