



The State of New Hampshire  
**Department of Environmental Services**

**Clark B. Freise, Assistant Commissioner**



NHPUC 2MAY17PM4:22

May 1, 2017

Debra A. Howland, Executive Director and Secretary  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

**Re: 1<sup>st</sup> Quarter Emissions Verification Summary for Certified Renewable Energy Sources (DE 08-024, DE 08-044, DE 08-051, DE 09-008, DE 09-104, DE 12-091, DE 13-265, DE 14-007, DE 14-182, DE 14-209, DE 14-296, DE 14-301, DE 14-302, DE 14-303, DE 14-304 and REC 15-081)**

Dear Ms. Howland:

Based on the attached summary, the New Hampshire Department of Environmental Services (DES) recommends certification of the following wood-fired power plants as renewable energy sources, because the facilities meet average emission rates of 0.02 lb/MMBtu (or an alternative plan) and 0.075 lb/MMBtu, for particulate (TSP) and nitrogen oxides (NO<sub>x</sub>), respectively:

**Pinetree Power, Inc.**  
1241 Whitefield Rd  
Bethlehem, NH 03574  
GIS Unit ID #: MSS337

**Pinetree Power-Tamworth, Inc.**  
469 Plains Rd  
Tamworth, NH 03886  
GIS Unit ID #: MSS592

**Pinetree Power-Fitchburg, Inc.**  
2 Rowtier Drive  
Westminster, MA 01473  
GIS Unit ID #: MSS538

**Indeck**  
151 Smith River Road  
Alexandria, NH 03222  
GIS Unit ID #: MSS14211

**Eversource (formerly Public Service Company of New Hampshire (PSNH)) Schiller Station # 5**  
400 Gosling Rd  
Portsmouth, NH 03801  
GIS Unit ID #: MSS557

**Bridgewater Power Company**  
Route 3  
Bridgewater, NH 03222  
GIS Unit ID #: MSS357

**Berlin Station, LLC**  
One Community Street  
Berlin, NH 03570  
GIS Unit ID #: MSS16653

**Ryegate Power Station**  
247 Weesner Drive  
East Ryegate, VT 05042  
GIS Unit ID #: MSS2433

Based on the attached summary, DES recommends certification of the following wood-fired boilers as thermal renewable energy sources, because the facilities meet average emission rates of 0.10 lb/MMBtu for TSP and best management practices (BMP) for NO<sub>x</sub>, respectively:

**Littleton Regional Healthcare (LRH)**  
600 Saint Johnsbury Road  
Littleton, NH 03561

**Androscoggin Valley Hospital (AVH)**  
59 Page Hill Road  
Berlin, NH 03570

**Warwick Mills**  
301 Turnpike Rd.  
New Ipswich, NH

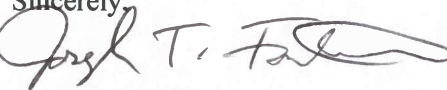
**EMD Millipore**  
11 PRESCOTT RD  
Jaffrey, NH

**Memorial Hospital**  
3073 White Mountain Highway  
North Conway, NH 03860

**Holderness School**  
21 Mt. Prospect Road  
Holderness, NH 03245

No newly eligible small (<3 mmBtu/hr) thermal renewable energy sources, other than those previously reported meeting BMP, were reported for this quarter. DES intends to communicate directly with PUC staff regarding case-by-case eligibility for these sources.

If you have any questions regarding DES's recommendations, please contact me at [joseph.fontaine@des.nh.gov](mailto:joseph.fontaine@des.nh.gov) or (603) 271-6794.

Sincerely  


Joseph T. Fontaine  
Trading Programs Manager  
Air Resources Division

cc: Barbara Bernstein, NH PUC

1st Quarter 2017 Summary		0.075 lb/mmbtu	maximum allowed	0.02 lb/mmbtu
Source Name	NOx #/MMBTU Quarter Average	TSP Test Date	TSP Emission Average #/mmbtu	
PT Tamworth 300019	0.072	Jul-16	0.001	
PT Bethlehem 900026	0.070	Jun-16 3-year test frequency approved by DES	0.001	
PT Fitchburg	0.061	Jun-16	0.004	
PSNH SR5 1500012	0.069	May-14 3-year test frequency approved by DES	0.0057	
Indeck Energy 900029	0.074	Jun-16	0.002	
Springfield Power 1900031		Jun-16	0.094 ineligible	
Berlin 790137	0.059	16-Jun-16	0.0065	
Bridgewater Power 900021	0.067		n/a under Alternative Plan	
Ryegate	0.073	Jun-16	0.0002	
<b>Thermal Sources</b>	<b>99% CE</b>	<b>maximum allowed</b>	<b>0.1 lb/mmbtu</b>	
Sullivan County Complex	annual tune-up & CE test	1-time test	pending	
Conway Memorial 300006	99.999% 99.993% annual tune-up & CE test	1-time test	9-Sep-15 10-Sep-15	boiler #1 0.081 boiler #2 0.095 quarterly reporting of <90% capacity required
Grafton County Complex	annual tune-up & CE test	1-time test	pending	
Froling Energy	annual tune-up & CE test	1-time test	pending	
State Office Park East	annual tune-up & CE test	1-time test	chose not to apply	
City of Claremont	annual tune-up & CE test	1-time test	pending	
Holderness School 900137	99.998% annual tune-up & CE test	1-time test	15-Dec-15	0.0075 quarterly reporting of <90% capacity required
EMD Millipore 500056	99.95% CE annual tune-up & CE test	1-time test	13-Mar-15	0.009
Littleton Regional Healthcare 990224	99.99% CE annual tune-up & CE test	1-time test	17-Mar-14 18-Mar-14	boiler #1 0.056 boiler #2 0.032
Warwick Mills 110129	99.89% CE annual tune-up & CE test	1-time test	30-Sep-14 1-Oct-14	0.018
AVH 7007	99.99% CE annual tune-up & CE test	1-time test	4-Jun-14	0.067