



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

University of Maine System)
University of Maine at Fort Kent) Departmental
Aroostook County) Findings of Fact and Order
Fort Kent, Maine) Air Emission License
A-604-71-G-R/A)

After review of the air emissions license application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

University of Maine at Fort Kent (UMFK) has applied to renew their Air Emission License permitting the operation of emission sources associated with their Fort Kent campus.

UMFK has requested a modification to their License in order to add a boiler acquired with the purchase of a building and to install a new wood pellet boiler. UMFK also requests the removal of Boilers 1PE1 and LDG1 since they are no longer required with the addition of the new equipment.

The equipment addressed in this license is located at 23 University Drive, Fort Kent, Maine.

B. Emission Equipment

UMFK is authorized to operate the following equipment:

Fuel Burning Equipment

<u>Equipment</u>	<u>Max. Capacity (MMBtu/hr)</u>	<u>Max. Firing Rate (gal/hr)</u>	<u>Fuel Type Max. Sulfur %</u>	<u>Stack #</u>
1PE2	3.20	22.9	#2 fuel oil, 0.5%	1PE
2Aud	1.40	10.0	#2 fuel oil, 0.5%	2Cyr
2Cyr	3.08	22.0	#2 fuel oil, 0.5%	2Cyr
5BL1	1.54	11.0	#2 fuel oil, 0.5%	5BL
5BL2	1.33	9.5	#2 fuel oil, 0.5%	5BL
7POW1	1.40	10.0	#2 fuel oil, 0.5%	7POW
7POW2	1.40	10.0	#2 fuel oil, 0.5%	7POW

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17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
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BANGOR
106 HOGAN ROAD, SUITE 6
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PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04679-2094
(207) 764-0477 FAX: (207) 760-3143

Fuel Burning Equipment (Cont.)

<u>Equipment</u>	<u>Max. Capacity (MMBtu/hr)</u>	<u>Max. Firing Rate (gal/hr)</u>	<u>Fuel Type Max. Sulfur %</u>	<u>Stack #</u>
8NOW	1.26	9.0	#2 fuel oil, 0.5%	8NOW
LDG2	1.40	10.0	#2 fuel oil, 0.5%	1LDG
*3K009-B1	1.37	16.0	#2 fuel oil, 0.5%	3K009-B1
*3K001-B2	2.20	0.2 (tons/hr)	Wood pellets	1PE
Emergency Gen. KGEN 1	0.8	5.9	diesel	DE1

* Designates new equipment

C. Application Classification

The modification of a minor source is considered a major or minor modification based on whether or not expected emission increases exceed the "Significant Emission Levels" as defined in the Department's regulations. This application is determined to be a renewal and minor modification and has been processed as such.

II. BEST PRACTICAL TREATMENT (BPT)

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (as amended). Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in *Definitions Regulation*, 06-096 CMR 100 (as amended). BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

BPT for existing emissions equipment means that method which controls or reduces emissions to the lowest possible level considering:

- the existing state of technology;

- the effectiveness of available alternatives for reducing emissions from the source being considered; and
- the economic feasibility for the type of establishment involved.

B. Oil Fired Boilers

The oil fired boilers are used primarily for providing heat to the campus buildings of UMFK. None of the boilers are larger than 10 MMBtu/hr and are therefore not subject to New Source Performance Standards (NSPS), Subpart Dc.

Until December 31, 2015, the fuel oil fired in the boilers shall be ASTM D396 compliant #2 fuel oil (maximum sulfur content of 0.5% by weight). Per 38 MRSA §603-A(2)(A)(3), beginning January 1, 2016, the boilers shall fire #2 fuel oil with a maximum sulfur content limit of 0.005% by weight (50 ppm), and beginning January 1, 2018, the boilers shall fire #2 fuel oil with a maximum sulfur content limit of 0.0015% by weight (15 ppm).

A BPT/BACT summary for the oil fired boilers is as follows:

1. UMFK shall not exceed a total annual limit of 500,000 gallons of #2 fuel oil on a calendar year basis.
2. Boilers 1PE2 and 2Cyr are subject to the PM standards of 06-096 CMR 103 (as amended). The PM emissions from the other oil-fired boilers shall be calculated from the BPT/BACT PM emission rate of 0.12 lb PM/MMBtu. PM₁₀ emission limits are derived from PM limits.
3. 06-096 CMR 106 regulates fuel sulfur content. However, the use of #2 fuel which meets the criteria in ASTM D396 is more stringent and shall be considered BPT/BACT.
4. NO_x, CO and VOC emission limits are derived from AP-42 data dated 9/98.
5. Visible emissions from each stack serving the boilers shall not exceed 20% opacity on a six (6) minute block average, except for no more than one (1), six (6) minute block average in a continuous 3-hour period.

C. Wood Fired Boiler (3K0001-B2)

Boiler 3K001-B2 is a new proposed wood pellet fired boiler rated at 2.2 MMBtu/hr with a planned installation in 2012. This boiler will replace Boilers 1PE1 and LDG1. This boiler is not larger than 10 MMBtu/hr and is therefore not subject to New Source Performance Standards (NSPS), Subpart Dc.

A BACT summary for the wood fired boiler is as follows:

1. A PM emission limit of 0.66 lb/hr (based on 0.30 lb/MMBtu) shall be considered BACT.
2. 06-096 CMR 106 regulates fuel sulfur content. However, the use of wood fuel is more stringent and shall be considered BACT.
3. SO₂, NO_x, CO and VOC emission limits are derived from AP-42 data dated 9/03.
4. Visible emissions from 3K001-B2 shall not exceed 20% opacity on a six (6) minute block average, except for no more than one (1), six (6) minute block average in a continuous 3-hour period.

D. 40 CFR Part 63 Subpart JJJJJ

The boilers may be subject to the *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources* (40 CFR Part 63 Subpart JJJJJ).

For informational purposes, a summary of the current applicable federal 40 CFR Part 63 Subpart JJJJJ requirements is listed below. At this time, the Maine Department of Environmental Protection has not taken delegation of this area source MACT (Maximum Achievable Control Technology) rule promulgated by EPA, however UMFK is still subject to the requirements. Notification forms and additional rule information can be found on the following website: <http://www.epa.gov/ttn/atw/boiler/boilerpg.html>.

a. Compliance Dates, Notifications, and Work Practice Requirements

i. Initial Notification of Compliance

An Initial Notification submittal to EPA was due on September 17, 2011. [40 CFR Part 63.11225(a)(2)]

ii. Boiler Tune-Up Program – Initial and Biennial

- (a) A boiler tune-up program shall be implemented to include the tune-up of applicable boilers by March 21, 2012 according to the rule currently in place. [40 CFR Part 63.11196(a)(1)] However, a No Action Assurance letter was issued on March 13, 2012 stating that EPA will exercise its enforcement discretion to not pursue enforcement action for failure to complete the required tune-up by the stated compliance date. The rule is expected to have a future

compliance date in either 2013 or 2014 once the final revisions are promulgated.

- (b) The boiler tune-up program, conducted to demonstrate continuous compliance, shall be performed as specified below:
1. As applicable, inspect the burner, and clean or replace any component of the burner as necessary. Delay of the burner inspection until the next scheduled shutdown is permitted; however, the burner must be inspected at least once every 36 months. [40 CFR Part 63.11223(b)(1)]
 2. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern, consistent with the manufacturer's specifications. [40 CFR Part 63.11223(b)(2)]
 3. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure it is correctly calibrated and functioning properly. [40 CFR Part 63.11223(b)(3)]
 4. Optimize total emissions of CO, consistent with manufacturer's specifications. [40 CFR Part 63.11223(b)(4)]
 5. Measure the concentration in the effluent stream of CO in parts per million (ppm), by volume, and oxygen in volume percent, before and after adjustments are made. [40 CFR Part 63.11223(b)(5)]
 6. If a unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of start-up. [40 CFR Part 63.11223(b)(7)]
- (c) A Notification of Compliance Status shall be submitted to EPA no later than 120 days after conducting the initial boiler tune-up. [40 CFR Part 63.11225(a)(4) and 40 CFR Part 63.11214(b)]
- (d) The facility shall implement a biennial boiler tune-up program after the initial tune-up and initial compliance report has been submitted.
1. Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up. [40 CFR Part 63.11223(a)]
 2. The biennial report shall be maintained onsite and submitted to EPA, if requested. The report shall contain the concentration of CO in the effluent stream (ppmv) and oxygen in volume percent, measured before and after the boiler tune-up, a description of any corrective actions taken as part of the tune-up of the boiler, and the type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. [40 CFR Part 63.11223(b)(6)] The biennial compliance report shall also include the company name and address; a compliance statement signed by a responsible official certifying truth,

accuracy, and completeness; and a description of any deviations and corrective actions. [40 CFR Part 63.11225(b)]

E. KGEM 1 Generator

The generator is a stand-by diesel generator for emergency purposes. Because the generator was manufactured before 2005, it is not subject to the requirements of 40 CFR Part 60, Subpart IIII. The unit is considered an existing, emergency stationary reciprocating internal combustion engine at an area HAP source, however it is considered exempt from the requirements of 40 CFR Part 63, Subpart ZZZZ, the NESHAP for stationary reciprocating internal combustion engines per 40 CFR Part 63.6590(b)(3)(iii), since it is categorized as a residential, commercial, or institutional emergency engine.

Emergency generators are only to be operated for maintenance purposes and for situations arising from sudden and reasonably unforeseeable events beyond the control of the source. Emergency generators are not to be used for prime power when reliable offsite power is available; nor used to supply power to an electric grid as part of a financial arrangement with an independent system operator (ISO) or another entity.

A summary of the BPT analysis for each of the pollutants is discussed below:

1. The generator shall fire only diesel fuel with a maximum sulfur content not to exceed 15 ppm (on-road diesel).
2. The generator shall be limited to 500 hr/yr of operation based on a calendar year. A written log shall be kept and a non-resettable hour meter shall be operated and maintained for compliance purposes.
3. The PM emissions from the generator shall be calculated from the BPT PM emission rate of 0.12 lb PM/MMBtu. PM₁₀ emission limits are derived from PM limits
4. NO_x, CO, and VOC emission limits are based upon AP-42 data dated 10/96.
5. Visible emissions from the generator shall not exceed 20% opacity on a six (6) minute block average, except for no more than two (2), six (6) minute block averages in a continuous 3-hour period.

F. Annual Emission and Fuel Restrictions

1. UMFK shall be limited to firing 500,000 gal of #2 fuel oil based on a calendar year, with a sulfur content not to exceed 0.5%.
2. Emissions from the wood boiler are based on continuous operation.
3. The generator shall be limited to 500 hours of operation on a calendar year basis.

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4. UMFK shall be restricted to the following annual emissions, based on a calendar year basis:

Total Allowable Annual Emission for the Facility
(used to calculate the annual license fee)
Tons/Year

Emission Unit	PM	PM ₁₀	SO ₂	NO _x	CO	VOC
Oil Boilers	4.2	4.2	17.6	5.0	1.3	0.1
Wood Boiler	3.8	3.8	0.3	2.8	7.6	0.2
KGEN1 Generator	0.1	0.1	0.1	0.9	0.2	0.1
Total	8.1	8.1	18.0	8.7	9.1	0.4

III. AMBIENT AIR QUALITY ANALYSIS

According to the 06-096 CMR 115, the level of air quality analyses required for a renewal source shall be determined on a case-by case basis. Based on the total facility emissions, UMFK is below the emissions level required for modeling and monitoring.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-604-71-G-R/A subject to the following conditions:

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

STANDARD CONDITIONS

- (1) Employees and authorized representatives of the Department shall be allowed access to the licensee's premises during business hours, or any time during which any emissions units are in operation, and at such other times as the Department deems necessary for the purpose of performing tests, collecting samples, conducting inspections, or examining and copying records relating to emissions (38 M.R.S.A. §347-C).

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- (2) The licensee shall acquire a new or amended air emission license prior to commencing construction of a modification, unless specifically provided for in Chapter 115. [06-096 CMR 115]
- (3) Approval to construct shall become invalid if the source has not commenced construction within eighteen (18) months after receipt of such approval or if construction is discontinued for a period of eighteen (18) months or more. The Department may extend this time period upon a satisfactory showing that an extension is justified, but may condition such extension upon a review of either the control technology analysis or the ambient air quality standards analysis, or both. [06-096 CMR 115]
- (4) The licensee shall establish and maintain a continuing program of best management practices for suppression of fugitive particulate matter during any period of construction, reconstruction, or operation which may result in fugitive dust, and shall submit a description of the program to the Department upon request. [06-096 CMR 115]
- (5) The licensee shall pay the annual air emission license fee to the Department, calculated pursuant to Title 38 M.R.S.A. §353. [06-096 CMR 115]
- (6) The license does not convey any property rights of any sort, or any exclusive privilege. [06-096 CMR 115]
- (7) The licensee shall maintain and operate all emission units and air pollution systems required by the air emission license in a manner consistent with good air pollution control practice for minimizing emissions. [06-096 CMR 115]
- (8) The licensee shall maintain sufficient records to accurately document compliance with emission standards and license conditions and shall maintain such records for a minimum of six (6) years. The records shall be submitted to the Department upon written request. [06-096 CMR 115]
- (9) The licensee shall comply with all terms and conditions of the air emission license. The filing of an appeal by the licensee, the notification of planned changes or anticipated noncompliance by the licensee, or the filing of an application by the licensee for a renewal of a license or amendment shall not stay any condition of the license. [06-096 CMR 115]
- (10) The licensee may not use as a defense in an enforcement action that the disruption, cessation, or reduction of licensed operations would have been

necessary in order to maintain compliance with the conditions of the air emission license. [06-096 CMR 115]

(11) In accordance with the Department's air emission compliance test protocol and 40 CFR Part 60 or other method approved or required by the Department, the licensee shall:

- A. perform stack testing to demonstrate compliance with the applicable emission standards under circumstances representative of the facility's normal process and operating conditions:
 - 1. within sixty (60) calendar days of receipt of a notification to test from the Department or EPA, if visible emissions, equipment operating parameters, staff inspection, air monitoring or other cause indicate to the Department that equipment may be operating out of compliance with emission standards or license conditions; or
 - 2. pursuant to any other requirement of this license to perform stack testing.
- B. install or make provisions to install test ports that meet the criteria of 40 CFR Part 60, Appendix A, and test platforms, if necessary, and other accommodations necessary to allow emission testing; and
- C. submit a written report to the Department within thirty (30) days from date of test completion.

[06-096 CMR 115]

(12) If the results of a stack test performed under circumstances representative of the facility's normal process and operating conditions indicate emissions in excess of the applicable standards, then:

- A. within thirty (30) days following receipt of such test results, the licensee shall re-test the non-complying emission source under circumstances representative of the facility's normal process and operating conditions and in accordance with the Department's air emission compliance test protocol and 40 CFR Part 60 or other method approved or required by the Department; and
- B. the days of violation shall be presumed to include the date of stack test and each and every day of operation thereafter until compliance is demonstrated under normal and representative process and operating conditions, except to the extent that the facility can prove to the satisfaction of the Department that there were intervening days during which no violation occurred or that the violation was not continuing in nature; and
- C. the licensee may, upon the approval of the Department following the successful demonstration of compliance at alternative load conditions, operate under such alternative load conditions on an interim basis prior to a demonstration of compliance under normal and representative process and operating conditions.

[06-096 CMR 115]

- (13) Notwithstanding any other provisions in the State Implementation Plan approved by the EPA or Section 114(a) of the CAA, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any statute, regulation, or Part 70 license requirement. [06-096 CMR 115]
- (14) The licensee shall maintain records of malfunctions, failures, downtime, and any other similar change in operation of air pollution control systems or the emissions unit itself that would affect emission and that is not consistent with the terms and conditions of the air emission license. The licensee shall notify the Department within two (2) days or the next state working day, whichever is later, of such occasions where such changes result in an increase of emissions. The licensee shall report all excess emissions in the units of the applicable emission limitation. [06-096 CMR 115]
- (15) Upon written request from the Department, the licensee shall establish and maintain such records, make such reports, install, use and maintain such monitoring equipment, sample such emissions (in accordance with such methods, at such locations, at such intervals, and in such a manner as the Department shall prescribe), and provide other information as the Department may reasonably require to determine the licensee's compliance status. [06-096 CMR 115]

SPECIFIC CONDITIONS

(16) Oil Fired Boilers

A. Fuel

1. Total fuel use for the oil-fired boilers shall not exceed 500,000 gal/yr of #2 fuel oil, based on a calendar year basis. [06-096 CMR 115, BPT, BACT]
2. Until January 1, 2016, the #2 fuel oil fired in the oil-fired boilers shall be ASTM D396 compliant (max. sulfur content of 0.5% by weight). [06-096 CMR 115, BPT, BACT]
3. Beginning January 1, 2016, UMFK shall fire #2 fuel oil with a maximum sulfur content limit of 0.005% by weight (50 ppm). [38 MRSA §603-A(2)(A)(3)]
4. Beginning January 1, 2018, UMFK shall fire #2 fuel oil with a maximum sulfur content limit of 0.0015% by weight (15 ppm). [38 MRSA §603-A(2)(A)(3)]
5. Compliance shall be demonstrated by fuel records from the supplier showing the quantity, type, and the percent sulfur of the fuel delivered (if applicable). Records of annual fuel use shall be kept on a calendar year basis. [06-096 CMR 115, BPT, BACT]

B. Emissions from the boilers shall not exceed the following: [06-096 CMR 115, 06-096 CMR 103, BPT, BACT]

Equipment		PM	PM ₁₀	SO ₂	NO _x	CO	VOC
1PE2	lb/MMBtu	0.12	-	-	-	-	-
	lb/hr	0.38	0.38	1.61	0.46	0.11	0.01
2Aud	lb/hr	0.17	0.17	0.71	0.20	0.05	0.01
2Cyr	lb/MMBtu	0.12	-	-	-	-	-
	lb/hr	0.37	0.37	1.55	0.44	0.11	0.01
5BL1	lb/hr	0.18	0.18	0.78	0.22	0.06	0.01
5BL2	lb/hr	0.16	0.16	0.67	0.19	0.05	0.01
7Pow1	lb/hr	0.17	0.17	0.71	0.20	0.05	0.01
7Pow2	lb/hr	0.17	0.17	0.71	0.20	0.05	0.01
8Now	lb/hr	0.15	0.15	0.63	0.18	0.05	0.01
LDG2	lb/hr	0.17	0.17	0.71	0.20	0.05	0.01
3K009-B1	lb/hr	0.16	0.16	0.69	0.20	0.05	0.01

C. Visible emissions from each stack serving the boilers shall not exceed 20% opacity on a six (6) minute block average, except for no more than one (1), six (6) minute block average in a continuous 3-hour period. [06-096 CMR 101]

(17) **Wood Fired Boiler (3K001-B2)**

A. Boiler 3K001-B2 shall fire only wood fuel. [06-096 CMR 115, BACT]

B. Emissions from 3K001-B2 shall not exceed the following: [06-096 CMR 115, BACT]

Equipment	PM (lb/hr)	PM ₁₀ (lb/hr)	SO ₂ (lb/hr)	NO _x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
3K001-B2	0.66	0.66	0.06	0.48	1.32	0.04

C. Visible emissions from 3K001-B2 shall not exceed 20% opacity on a six (6) minute block average, except for no more than one (1), six (6) minute block average in a continuous 3-hour period. [06-096 CMR 101, BACT]

D. 3K001-B2 is subject to the following Compliance Dates, Notifications, and Work practice Requirements as specified in 40 CFR, Part 63 Subpart JJJJJ:

i. Initial Notification of Compliance

An Initial Notification submittal to EPA was due on September 17, 2011. [40 CFR Part 63.11225(a)(2)]

ii. Boiler Tune-Up Program – Initial and Biennial

- (a) A boiler tune-up program shall be implemented to include the tune-up of applicable boilers by March 21, 2012 or a date revised and adopted by the EPA. [40 CFR Part 63.11196(a)(1)]
- (b) The boiler tune-up program, conducted to demonstrate continuous compliance, shall be performed as specified below:
 - 1. As applicable, inspect the burner, and clean or replace any component of the burner as necessary. Delay of the burner inspection until the next scheduled shutdown is permitted; however, the burner must be inspected at least once every 36 months. [40 CFR Part 63.11223(b)(1)]
 - 2. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern, consistent with the manufacturer's specifications. [40 CFR Part 63.11223(b)(2)]
 - 3. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure it is correctly calibrated and functioning properly. [40 CFR Part 63.11223(b)(3)]
 - 4. Optimize total emissions of CO, consistent with manufacturer's specifications. [40 CFR Part 63.11223(b)(4)]
 - 5. Measure the concentration in the effluent stream of CO in parts per million (ppm), by volume, and oxygen in volume percent, before and after adjustments are made. [40 CFR Part 63.11223(b)(5)]
 - 6. If a unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of start-up. [40 CFR Part 63.11223(b)(7)]
- (c) A Notification of Compliance Status shall be submitted to EPA no later than 120 days after conducting the initial boiler tune-up. [40 CFR Part 63.11225(a)(4) and 40 CFR Part 63.11214(b)]
- (d) The facility shall implement a biennial boiler tune-up program after the initial tune-up and initial compliance report has been submitted.
 - 1. Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up. [40 CFR Part 63.11223(a)]
 - 2. The biennial report shall be maintained onsite and submitted to EPA, if requested. The report shall contain the concentration of CO in the effluent stream (ppmv) and oxygen in volume

percent, measured before and after the boiler tune-up, a description of any corrective actions taken as part of the tune-up of the boiler, and the type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. [40 CFR Part 63.11223(b)(6)] The biennial compliance report shall also include the company name and address; a compliance statement signed by a responsible official certifying truth, accuracy, and completeness; and a description of any deviations and corrective actions. [40 CFR Part 63.11225(b)]

(18) KGEN1 Generator

- A. The generator shall be limited to 500 hours of operation on a calendar year basis. A written log shall be kept and a non-resettable hour meter operated and maintained for compliance purposes. [06-096 CMR 115, BPT]
- B. The generator shall only fire diesel fuel with a sulfur content not to exceed 15 ppm. Records from the supplier documenting type of fuel delivered shall be kept for compliance purposes. [06-096 CMR 115, BPT]
- C. The generator shall only be operated for maintenance purposes and for situations arising from sudden and reasonably unforeseeable events beyond the control of the source. The generator is not to be used for prime power when reliable offsite power is available; nor used to supply power to an electric grid as part of a financial arrangement with an independent system operator (ISO) or another entity. [06-096 CMR 115, BPT]
- D. Emissions shall not exceed the following: [06-096 CMR 115, BPT]

Equipment		PM	PM₁₀	SO₂	NO_x	CO	VOC
KGEM1 Generator	lb/hr	0.10	0.10	0.01	3.53	0.76	0.28

- E. Visible emissions from the generator shall not exceed 20% opacity on a six (6) minute block average, except for no more than two (2), six (6) minute block averages in a continuous 3-hour period. [06-096 CMR 101]

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- (19) UMFK shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard (Title 38 MRSA §605).

DONE AND DATED IN AUGUSTA, MAINE THIS 10th DAY OF April 2012.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Melanie S. Fisher
PATRICIA W. AHO, COMMISSIONER

The term of this license shall be five (5) years from the signature date above.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 3/3/2010

Date of application acceptance: 3/24/2010

Date filed with the Board of Environmental Protection: _____

This Order prepared by Jonathan Voisine, Bureau of Air Quality.

