



DEPARTMENT ORDER

**The Aroostook Medical Center
 Aroostook County
 Presque Isle, Maine
 A-229-71-K-A**

**Departmental
 Findings of Fact and Order
 Air Emission License
 Amendment #1**

FINDINGS OF FACT

After review of the air emission license amendment application, staff investigation reports, and other documents in the applicant’s file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes (M.R.S.) § 344 and § 590, the Maine Department of Environmental Protection (Department) finds the following facts:

I. REGISTRATION

A. Introduction

The Aroostook Medical Center d/b/a Northern Light Health AR Gould Hospital (TAMC) was issued Air Emission License A-229-71-J-R/M on March 5, 2013, for the operation of emission sources associated with their medical facility.

TAMC has requested an amendment to their license in order to allow the firing of either natural gas or distillate fuel in Boilers #1, #2, and #3 instead of the use of distillate fuel as an emergency backup fuel only. This amendment does not change the annual distillate fuel use cap as currently licensed.

The equipment addressed in this license amendment is located at 140 Academy St., Presque Isle, Maine.

B. Emission Equipment

The following equipment is addressed in this air emission license amendment:

Boilers

Equipment	Max. Capacity (MMBtu/hr)	Maximum Firing Rate	Fuel Type, % sulfur	Date of Manuf.	Date of Install.	Stack #
Boiler #1	10.5	10,194 scf/hr	natural gas, neg.	1974	1975	1
		75 gal/hr	distillate fuel, 0.0015%			
Boiler #2	10.5	10,194 scf/hr	natural gas, neg.	1974	1975	1
		75 gal/hr	distillate fuel, 0.0015%			
Boiler #3	10.5	10,194 scf/hr	natural gas, neg.	1974	1975	1
		75 gal/hr	distillate fuel, 0.0015%			

C. Definitions

Distillate Fuel means the following:

- Fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials (ASTM) in ASTM D396;
- Diesel fuel oil numbers 1 or 2, as defined in ASTM D975;
- Kerosene, as defined in ASTM D3699;
- Biodiesel, as defined in ASTM D6751; or
- Biodiesel blends, as defined in ASTM D7467.

Records or Logs mean either hardcopy or electronic records.

D. Application Classification

All rules, regulations, or statutes referenced in this air emission license refer to the amended version in effect as of the date this license was issued.

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 *Definitions Regulation*, 06-096 Code of Maine Rules (C.M.R.) ch. 100. The emission increases are determined by subtracting the current licensed annual emissions preceding the modification from the maximum future licensed annual emissions, as follows:

Pollutant	Current License (tpy)	Future License (tpy)	Net Change (tpy)	Significant Emission Levels
PM	9.1	13.9	4.8*	100
PM ₁₀	9.1	13.9	4.8*	100
SO ₂	22.4	0.3	-22.1	100
NO _x	23.9	33.0	9.1*	100
CO	5.9	13.4	7.5*	100
VOC	0.6	1.1	0.5*	100

* This change reflects a miscalculation in the existing Air Emission License where the potential to emit calculations were based off natural gas consumption in one boiler alone as opposed to all three units running at the same time.

This modification is determined to be a minor modification and has been processed as such.

E. Facility Classification

The facility is licensed as follows:

- As a natural minor source of air emissions, because no license restrictions are necessary to keep facility emissions below major source thresholds for criteria pollutants; and
- As an area source of hazardous air pollutants (HAP), because the licensed emissions are below the major source thresholds for HAP.

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 C.M.R. ch. 100. Separate control requirement categories exist for new and existing equipment.

B. Boilers #1, #2, and #3

TAMC operates Boilers #1, #2, and #3 for heat. The boilers are rated at 10.5 MMBtu/hr each and fire distillate fuel and natural gas. The boilers were installed in 1975 and exhaust through a common stack.

The three boilers were initially manufactured to fire distillate fuel; however, in 2013, they were adapted with capability to fire distillate fuel and natural gas. At that time and as described in A-229-71-J-R/M (March 5, 2013), natural gas was identified as the primary fuel for these boilers and distillate fuel as an emergency backup fuel, classifying the boilers as gas-fired boilers under 40 C.F.R. Part 63, Subpart JJJJJ. TAMC has applied to remove that distillate fuel use constraint from Boilers #1, #2, and #3. With the change in classification from gas-fired boilers to existing oil-fired boilers under 40 C.F.R. Part 63, Subpart JJJJJ, the requirements of that Subpart will be updated in this amendment to reflect this change.

Additionally, Boilers #1, #2, and #3 are licensed to fire distillate fuel which, by definition, has a sulfur content of 0.5% or less by weight. Pursuant to 38 M.R.S. § 603-A(2)(A)(3), as of July 1, 2018, no person shall import, distribute, or offer for sale any distillate fuel with a sulfur content greater than 0.0015% by weight (15 ppm). Therefore, the distillate fuel purchased or otherwise obtained for use in Boilers #1, #2, and #3 shall not exceed 0.0015% by weight (15 ppm). The short-term emission limits for SO₂ will be adjusted in this amendment to reflect this change.

1. BPT Findings

The BPT emission limits for Boilers #1, #2, and #3 were based on the following:

Distillate Fuel

- PM/PM₁₀ – 0.20 lb/MMBtu based on 06-096 C.M.R. ch. 103
- SO₂ – based on firing distillate fuel with a maximum sulfur content of 0.0015% by weight
- NO_x – 0.360 lb/MMBtu based on 06-096 C.M.R. ch. 115, BPT
- CO – 5 lb/1000 gal based on AP-42 Table 1.3-1 dated 5/10
- VOC – 0.20 lb/1000 gal based on AP-42 Table 1.3-3 dated 5/10
- Visible Emissions – 06-096 C.M.R. ch. 115, BPT

The BPT emission limits for Boilers #1, #2, and #3 are the following:

Unit	Pollutant	lb/MMBtu
Boiler #1	PM	0.20
Boiler #2	PM	0.20
Boiler #3	PM	0.20

Unit	PM (lb/hr)	PM ₁₀ (lb/hr)	SO ₂ (lb/hr)	NO _x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
Boiler #1 distillate fuel	2.10	2.10	0.02	3.78	0.38	0.02
Boiler #2 distillate fuel	2.10	2.10	0.02	3.78	0.38	0.02
Boiler #3 distillate fuel	2.10	2.10	0.02	3.78	0.38	0.02

TAMC shall be limited to firing no more than 630,000 gallons of distillate fuel per year in Boilers #1, #2, and #3 on a calendar year total basis.

2. Visible Emissions

Visible emissions from Stack #1 shall not exceed 20% opacity on a six-minute block average basis when one or more of the boilers is firing distillate fuel.

3. National Emission Standards for Hazardous Air Pollutants (NESHAP):
40 C.F.R. Part 63, Subpart JJJJJ

Boilers #1, #2, and #3 were previously classified as existing gas-fired boilers which only fired distillate fuel during periods of gas curtailment. With the elimination of that restriction, Boilers #1, #2, and #3 are now subject to the *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources*, 40 C.F.R. Part 63, Subpart JJJJJ. The units are now considered existing oil-fired boilers. [40 C.F.R. §§ 63.11193 and 63.11195]

A summary of the currently applicable federal 40 C.F.R. Part 63, Subpart JJJJJ requirements is listed below. Notification forms and additional rule information can be found on the following website: <https://www.epa.gov/stationary-sources-air-pollution/compliance-industrial-commercial-and-institutional-area-source>.

a. Compliance Dates, Notifications, and Work Practice Requirements

(1) Initial Notification of Compliance

An Initial Notification submittal to EPA is due no later than 120 days after the issuance of this license amendment. [40 C.F.R. § 63.11225(a)(2)]

(2) Notification of Fuel Change

A notification that Boilers #1, #2, and #3 have switched from firing exclusively natural gas to additionally firing distillate fuel shall be submitted to EPA within 30 days of the issuance of this license. The notice shall contain the following information:

- (i) The name of the owner or operator of the affected source, the location of the source, the boilers that have switched fuels, and the date of the notice.
- (ii) The date upon which the fuel switch, physical change, or permit limit occurred.

[40 C.F.R. § 63.11235(g)]

(3) Boiler Tune-Up Program

- (i) A boiler tune-up program shall be implemented. [40 C.F.R. § 63.11223]
- (ii) An initial tune-up shall be conducted on Boilers #1, #2, and #3 within 30 days from their initial firing of distillate fuel. [40 C.F.R. § 63.11210(k)(2)]

(iii) Each tune-up shall be conducted at a frequency specified by the rule and based on the size, age, and operations of the boiler. See chart below:

Boiler Category	Tune-Up Frequency
New or Existing Oil, Biomass and Coal fired boilers that are not designated as "Boilers with Less Frequent Tune-up Requirements" Boilers #1, #2, and #3	Every 2 years

[40 C.F.R. § 63.11223(a) and Table 2]

(iv) 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, not to exceed 36 months from the previous inspection. [40 C.F.R. § 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 C.F.R. § 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. Delay of the inspection until the next scheduled shutdown is permitted, not to exceed 36 months from the previous inspection. [40 C.F.R. § 63.11223(b)(3)]
4. Optimize total emissions of CO, consistent with manufacturer's specifications. [40 C.F.R. § 63.11223(b)(4)]
5. Measure the concentration in the effluent stream of CO in parts per million by volume (ppmv), and oxygen in volume percent, before and after adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. [40 C.F.R. § 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 30 days of start-up. [40 C.F.R. § 63.11223(b)(7)]

(v) Tune-Up Report: A tune-up report shall be maintained onsite and, submitted to the Department and/or EPA upon request. The report shall contain the following information:

1. The concentration of CO in the effluent stream (ppmv) and oxygen (volume percent) measured at high fire or typical operating load both **before** and **after** the boiler tune-up;

2. A description of any corrective actions taken as part of the tune-up of the boiler; and
 3. The types and amounts of fuels used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit. [40 C.F.R. § 63.11223(b)(6)]
- (vi) After conducting the initial boiler tune-up, a Notification of Compliance Status shall be submitted to EPA no later than 120 days after the issuance of this license amendment. [40 C.F.R. § 63.11225(a)(4) and 40 C.F.R. § 63.11214(b)]

(4) Compliance Report

A compliance report shall be prepared by March 1st biennially which covers the previous two calendar years. The report shall be maintained by the source and submitted to the Department and/or to the EPA upon request. The report must include the items contained in §§ 63.11225(b)(1) and (2), including the following: [40 C.F.R. § 63.11225(b)]

- (i) Company name and address;
- (ii) A statement of whether the source has complied with all the relevant requirements of this Subpart;
- (iii) A statement certifying truth, accuracy, and completeness of the notification and signed by a responsible official and containing the official's name, title, phone number, email address, and signature;
- (iv) The following certifications, as applicable:
 1. "This facility complies with the requirements in 40 C.F.R. § 63.11223 to conduct tune-ups of each boiler in accordance with the frequency specified in this Subpart."
 2. "No secondary materials that are solid waste were combusted in any affected unit."
 3. "This facility complies with the requirement in §§ 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

(5) Energy Assessment

Boilers #1, #2, and #3 are subject to the energy assessment requirement as follows:

- (i) A one-time energy assessment is required to be performed by a qualified energy assessor on the applicable boilers no later than 180 days from the issuance of this license amendment. [40 C.F.R. § 63.11196(a)(3) and § 63.11210(j)(3)]
- (ii) The energy assessment is required to include a visual inspection of the boiler system; an evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints; an inventory of major energy use systems consuming energy from affected boilers and which are under control of the boiler owner or operator; a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage; a list of major energy conservation measures that are within the facility's control; a list of the energy savings potential of the energy conservation measures identified; and a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments. [40 C.F.R. Part 63, Subpart JJJJJ, Table 2(16)]

b. Recordkeeping

Records shall be maintained consistent with the requirements of 40 C.F.R. Part 63, Subpart JJJJJ including the following [40 C.F.R. § 63.11225(c)]:

- (1) Copies of notifications and reports with supporting compliance documentation;
- (2) Identification of each boiler, the date of tune-up, procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned;
- (3) Records of the occurrence and duration of each malfunction of each applicable boiler; and
- (4) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore the malfunctioning boiler.

Records shall be in a form suitable and readily available for expeditious review. EPA requires submission of Notification of Compliance Status reports for tune-ups and energy assessments through their electronic reporting system. [40 C.F.R. § 63.11225(a)(4)(vi)]

C. Emission Statements

TAMC is subject to emissions inventory requirements contained in Emission Statements, 06-096 C.M.R. ch. 137. TAMC shall maintain the following records in order to comply with this rule:

1. The amount of distillate fuel fired in Boilers #1, #2, and #3 (each) on a monthly basis;
 2. The amount of natural gas fired in Boilers #1, #2, and #3 (each) on a monthly basis;
- and

3. The hours of operation of Generators #1 and #2 (each) on a monthly basis.

Beginning with reporting year 2023 and every third year thereafter, TAMC shall report to the Department emissions of hazardous air pollutants as required by 06-096 C.M.R. ch. 137, § (3)(C). The Department will use these reports to calculate and invoice for the applicable annual air quality surcharge for the subsequent three billing periods. TAMC shall pay the annual air quality surcharge, calculated by the Department based on these reported emissions of hazardous air pollutants, by the date required in Title 38 M.R.S. § 353-A(3). [38 M.R.S. § 353-A(1-A)]

D. Annual Emissions

The table below provides an estimate of facility-wide annual emissions for the purposes of calculating the facility’s annual air license fee and establishing the facility’s potential to emit (PTE). Only licensed equipment is included, i.e., emissions from insignificant activities are excluded. Similarly, unquantifiable fugitive particulate matter emissions are not included except when required by state or federal regulations. Maximum potential emissions were calculated based on the following assumptions:

- Operating all boilers 8,760 hours per year using worst case emission factors considering both fuels;
- Operating the Generators for 500 hrs/yr, each;

This information does not represent a comprehensive list of license restrictions or permissions. That information is provided in the Order section of this license.

Total Licensed Annual Emissions for the Facility
Tons/year
(used to calculate the annual license fee)

	PM	PM ₁₀	SO ₂	NO _x	CO	VOC
Boilers	13.6	13.6	0.1	25.0	11.3	0.8
Generator #1	0.2	0.2	0.1	6.3	1.7	0.2
Generator #2	0.1	0.1	0.1	1.7	0.4	0.1
Total TPY	13.9	13.9	0.3	33.0	13.4	1.1

Pollutant	Tons/year
Single HAP	9.9
Total HAP	24.9

III. AMBIENT AIR QUALITY ANALYSIS

The level of ambient air quality impact modeling required for a minor source is determined by the Department on a case-by case basis. In accordance with 06-096 C.M.R. ch. 115, an ambient air quality impact analysis is not required for a minor source if the total licensed annual emissions of any pollutant released do not exceed the following levels and there are no extenuating circumstances:

Pollutant	Tons/Year
PM ₁₀	25
SO ₂	50
NO _x	50
CO	250

The total licensed annual emissions for the facility are below the emission levels contained in the table above and there are no extenuating circumstances; therefore, an ambient air quality impact analysis is not required as part of this license amendment.

This determination is based on information provided by the applicant regarding the expected construction and operation of the proposed emission units. If the Department determines that any parameter (e.g., stack size, configuration, flow rate, emission rates, nearby structures, etc.) deviates from what was included in the application, the Department may require TAMC to submit additional information and may require an ambient air quality impact analysis at that time.

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, and
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License Amendment A-229-71-K-A subject to the conditions found in Air Emission License A-229-71-J-R/M and the following conditions.

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

SPECIFIC CONDITIONS

The following shall replace Specific Condition (16) of Air Emission License A-229-71-J-R/M.

(16) Boilers #1, #2, and #3

A. Fuel

1. TAMC is licensed to fire either distillate fuel or natural gas.
[06-096 C.M.R. ch. 115, BPT]
2. Total distillate fuel use for Boilers #1, #2, and #3 combined shall not exceed 630,000 gal/yr, on a calendar year total basis. [06-096 C.M.R. ch. 115, BPT]
3. The facility shall not purchase or otherwise obtain distillate fuel with a maximum sulfur content that exceeds 0.0015% by weight (15 ppm).
[06-096 C.M.R. ch. 115, BPT]
4. Compliance shall be demonstrated by fuel records showing the quantity, type, and the percent sulfur of the fuel delivered (if applicable). Records of annual fuel use shall be kept on a monthly and calendar year basis. Fuel sulfur content compliance shall be demonstrated by fuel delivery receipts from the supplier, certificate of analysis, or testing of the tank containing the fuel to be fired.
[06-096 C.M.R. ch. 115, BPT]

B. Emissions shall not exceed the following:

Emission Unit	Fuel	Pollutant	lb/MMBtu	Origin and Authority
Boiler #1	distillate fuel	PM	0.20	06-096 C.M.R. ch. 103(2)(A)(1)
Boiler #2				
Boiler #3				
Boiler #1	natural gas		0.05	06-096 C.M.R. ch. 115, BPT
Boiler #2				
Boiler #3				

C. Emissions shall not exceed the following [06-096 C.M.R. ch. 115, BPT]:

Emission Unit	Fuel	PM (lb/hr)	PM ₁₀ (lb/hr)	SO ₂ (lb/hr)	NO _x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
Boiler #1	distillate fuel	2.10	2.10	0.02	3.78	0.38	0.02
Boiler #2		2.10	2.10	0.02	3.78	0.38	0.02
Boiler #3		2.10	2.10	0.02	3.78	0.38	0.02
Boiler #1	natural gas	0.53	0.53	0.01	1.02	0.86	0.06
Boiler #2		0.53	0.53	0.01	1.02	0.86	0.06
Boiler #3		0.53	0.53	0.01	1.02	0.86	0.06

D. Visible emissions from Stack #1 shall not exceed 20% opacity on a six-minute block average basis when one or more of the boilers are firing distillate fuel. [06-096 C.M.R. ch. 115, BPT]

E. Visible emissions from Stack #1 shall not exceed 10% opacity on a six-minute block average basis when only natural gas is fired. [06-096 C.M.R. ch. 101, § 3(A)(3)]

F. TAMC shall comply with all requirements of 40 C.F.R. Part 63, Subpart JJJJJ applicable to Boilers #1, #2, and #3 including, but not limited to, the following: [incorporated under 06-096 C.M.R. ch. 115, BPT]

1. An Initial Notification submittal to EPA is due within 120 days after the issuance of this license amendment. [40 C.F.R. § 63.11225(a)(2)]
2. A notification that Boilers #1, #2, and #3 have switched from firing exclusively natural gas to additionally firing distillate fuel shall be submitted to EPA within 30 days of the issuance of this license. The notice shall contain the following information:
 - a. The name of the owner or operator of the affected source, the location of the source, the boilers that have switched fuels, and the date of the notice.
 - b. The date upon which the fuel switch occurred. [40 C.F.R. § 63.11235(g)]
3. The facility shall implement a boiler tune-up program. [40 C.F.R. § 63.11223]
 - a. In initial tune-up shall be conducted on Boilers #1, #2, and #3 within 30 days from their initial firing of distillate fuel. [40 C.F.R. § 63.11210(k)(2)]
 - b. Each tune-up shall be conducted at a frequency specified by the rule and based on the size, age, and operations of the boiler. See chart below:

Boiler Category	Tune-Up Frequency
New or Existing Oil, Biomass and Coal fired boilers that are not designated as "Boilers with less frequent tune up requirements" listed below Boilers #1, #2, and #3	Every 2 years

[40 C.F.R. § 63.11223(a) and Table 2]

- c. 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, not to exceed 36 months from the previous inspection. [40 C.F.R. § 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 C.F.R. § 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. Delay of the inspection until the next scheduled shutdown is permitted, not to exceed 36 months from the previous inspection. [40 C.F.R. § 63.11223(b)(3)]
 - (4) Optimize total emissions of CO, consistent with manufacturer’s specifications. [40 C.F.R. § 63.11223(b)(4)]
 - (5) Measure the concentration in the effluent stream of CO in parts per million by volume (ppmv), and oxygen in volume percent, before and after adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. [40 C.F.R. § 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 30 days of start-up. [40 C.F.R. § 63.11223(b)(7)]

- d. Tune-Up Report: A tune-up report shall be maintained onsite and submitted to the Department and EPA upon request. The report shall contain the following information:
 - (1) The concentration of CO in the effluent stream (ppmv) and oxygen (volume percent) measured at high fire or typical operating load both **before** and **after** the boiler tune-up;
 - (2) A description of any corrective actions taken as part of the tune-up of the boiler; and
 - (3) The types and amounts of fuels used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit. [40 C.F.R. § 63.11223(b)(6)]

- e. After conducting the initial boiler tune-up, a Notification of Compliance Status shall be submitted to EPA no later than 120 days after the issuance of this license amendment. [40 C.F.R. § 63.11225(a)(4) and 40 C.F.R. § 63.11214(b)]

4. Compliance Report

A compliance report shall be prepared by March 1st biennially which covers the previous two calendar years. The report shall be maintained by the source and submitted to the Department and/or to the EPA upon request. The report must include the items contained in §§ 63.11225(b)(1) and (2), including the following: [40 C.F.R. § 63.11225(b)]

- a. Company name and address;
- b. A statement of whether the source has complied with all the relevant requirements of this Subpart;
- c. A statement certifying truth, accuracy, and completeness of the notification and signed by a responsible official and containing the official's name, title, phone number, email address, and signature;
- d. The following certifications, as applicable:
 - (1) "This facility complies with the requirements in 40 C.F.R. § 63.11223 to conduct tune-ups of each boiler in accordance with the frequency specified in this Subpart."
 - (2) "No secondary materials that are solid waste were combusted in any affected unit."
 - (3) "This facility complies with the requirement in §§ 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

5. Energy Assessment

- a. A one-time energy assessment is required to be performed by a qualified energy assessor on the applicable boilers no later than 180 days from the issuance of this license amendment. [40 C.F.R. § 63.11196(a)(3) and § 63.11210(j)(3)]
- b. The energy assessment is required to include a visual inspection of the boiler system; an evaluation of operating characteristics of each affected boiler system, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints; an inventory of major energy use systems consuming energy from each affected boiler and which are under control of the boiler owner or operator; a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage; a list of major energy conservation measures that are within the facility's control; a list of the energy savings potential of the energy

conservation measures identified; and a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

[40 C.F.R. Part 63, Subpart JJJJJ, Table 2(16)]

6. Records shall be maintained consistent with the requirements of 40 C.F.R. Part 63, Subpart JJJJJ including the following [40 C.F.R. § 63.11225(c)]:
 - a. Copies of notifications and reports with supporting compliance documentation;
 - b. Identification of each boiler, the date of tune-up, procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned;
 - c. Records of the occurrence and duration of each malfunction of each applicable boiler; and
 - d. Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore the malfunctioning boiler.

Records shall be in a form suitable and readily available for expeditious review. EPA requires submission of Notification of Compliance Status reports for tune-ups and energy assessments through their electronic reporting system. [40 C.F.R. § 63.11225(a)(4)(vi)]

The following are new conditions of Air Emission License A-229-71-J-R/M.

(20) Annual Emission Statements

- A. In accordance with *Emission Statements*, 06-096 C.M.R. ch. 137, TAMC shall annually report to the Department, in a format prescribed by the Department, the information necessary to accurately update the State's emission inventory. The emission statement shall be submitted as specified by the date in 06-096 C.M.R. ch. 137.
- B. TAMC shall keep the following records in order to comply with 06-096 C.M.R. ch. 137:
 1. The amount of distillate fuel fired in Boilers #1, #2, and #3 (each) on a monthly basis;
 2. The amount of natural gas fired in Boilers #1, #2, and #3 (each) on a monthly basis; and
 3. The hours of operation of Generator #1 and #2 (each) on a monthly basis.
[06-096 C.M.R. ch. 137]
- C. Beginning with reporting year 2023 and every third year thereafter, TAMC shall report to the Department emissions of hazardous air pollutants as required by 06-096 C.M.R. ch. 137, § (3)(C). TAMC shall pay the annual air quality surcharge, calculated by the Department based on these reported emissions of hazardous air pollutants, by the date required in Title 38 M.R.S. § 353-A(3). [38 M.R.S. § 353-A(1-A)]

- (21) If the Department determines that any parameter value pertaining to construction and operation of the proposed emissions units, including but not limited to stack size, configuration, flow rate, emission rates, nearby structures, etc., deviates from what was submitted in the application or ambient air quality impact analysis for this air emission license, TAMC may be required to submit additional information. Upon written request from the Department, TAMC shall provide information necessary to demonstrate AAQS will not be exceeded, potentially including submission of an ambient air quality impact analysis or an application to amend this air emission license to resolve any deficiencies and ensure compliance with AAQS. Submission of this information is due within 60 days of the Department's written request unless otherwise stated in the Department's letter. [06-096 C.M.R. ch. 115, § 2(O)]

DONE AND DATED IN AUGUSTA, MAINE THIS 2nd DAY OF MARCH, 2023.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:  for
MELANIE LOYZIM, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-229-71-J-R/M.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 11/14/22
Date of application acceptance: 11/21/22

Date filed with the Board of Environmental Protection:

This Order prepared by Chris Ham, Bureau of Air Quality.

