STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
17 STATE HOUSE STATION AUGUSTA, MAINE 04333-0017

DEPARTMENT ORDER

Eurovia Atlantic Coast LLC **Aroostook County** **Presque Isle, Maine** **A-363-71-P-R/M**	**Departmental** **Findings of Fact and Order** **Air Emission License** **Renewal with Minor Revision**

FINDINGS OF FACT

After review of the air emission license renewal 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 (the Department) finds the following facts:

I. REGISTRATION

A. Introduction

Eurovia Atlantic Coast, LLC (Eurovia) has applied to renew their Air Emission License for the operation of their portable hot mix asphalt plant, concrete batch plant, and crushed stone and gravel facility located at 458 Reach Road, Presque Isle, Maine.

The main office is located at 953 Odlin Road, Bangor, Maine.

Eurovia has requested a minor revision to their license in order to make the following changes:

1. Remove Rock Crushers TER636AC, TERCAGE, TER5040CR, and TER12BHT;
2. Remove Concrete Batch Plant #25;
3. Remove Storage Silo C25A; and
4. Remove Generator CAT 3304.

B. Emission Equipment

The following equipment is addressed in this Air Emission License*:*

Hot Mix Asphalt (HMA) Plant

Equipment	Process Rate (tons/hour)	Design Capacity (MMBtu/hr)	Fuel Type	Control Device	Date of Manuf.
HMA Batch Plant #23	180	82	Specification Waste Oil, Distillate Fuel	Baghouse	**Plant:** Pre-1973 **Burner:** 2017
		80	Propane		
		89	Natural gas		

Fuel Burning Equipment

Equipment	Max. Capacity (MMBtu/hr)	Fuel Type	Maximum Firing Rate	Date of Manuf.
Heatec HCS-175 (Hot Oil Heater)	2.0	Distillate Fuel	14.5 gal/hr	1995
		Propane	22.1 gal/hr	
		Natural Gas	1942 scf/hr	
Omnia K-76 (Boiler)	3.2	Distillate Fuel	23 gal/hr	1982
*CAT 3304 (Generator)**	*1.1*	*Distillate Fuel*	*8 gal/hr*	*1990*

*removed from license

Concrete Plant

Equipment	Production Rate (cubic yards/hour)	Control Device
Concrete Batch Plant #18	228	Baghouse
*Concrete Batch Plant #25**	*60*	*Baghouse*

*removed from license

Rock Crushers

Designation	Powered	Process Rate (tons/hour)	Date of Manufacture	Control Device
PRI3850P	Electric	450	Pre 1973	Spray Nozzles
TER77VSI	Electric	400	1993	Spray Nozzles
SECHAZEMAG	Electric	400	1987	Spray Nozzles
*TER636AC**	*Electric/Generator*	*100*	*Pre-1973*	*Spray Nozzles*
*TERCAGE**	*Electric/Generator*	*30*	*Pre-1973*	*Spray Nozzles*
*TER5040CR**	*Electric/Generator*	*200*	*Pre-1973*	*Spray Nozzles*
*TER12BHT**	*Electric/Generator*	*60*	*Pre-1973*	*Spray Nozzles*

*removed from license

Eurovia may operate other nonmetallic mineral processing equipment not explicitly listed including grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck or railcar loading stations. Requirements for this equipment are included in sections of this license for Nonmetallic Mineral Processing Plants.

Eurovia may operate small stationary engines smaller than 0.5 MMBtu/hr. These engines are considered insignificant activities and are not required to be included in this license. However, they are still subject to applicable State and Federal regulations. More information regarding requirements for small stationary engines is available on the Department's website at the link below.
http://www.maine.gov/dep/air/publications/docs/SmallRICEGuidance.pdf

Additionally, Eurovia may operate portable engines used for maintenance or emergency-only purposes. These engines are considered insignificant activities and are not required to be included in this license. However, they may still be subject to applicable State and Federal regulations.

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.

Nonmetallic mineral processing plant means any combination of equipment that is used to crush or grind any nonmetallic mineral wherever located, including lime plants, power plants, steel mills, asphalt concrete plants, portland cement plants (not including concrete batch plants), or any other facility processing nonmetallic minerals.

Portable or Non-Road Engine means an internal combustion engine which is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform. This definition does NOT include engines which remain or will remain at a location (excluding storage locations) for more than 12 consecutive months or a shorter period of time for an engine located at a seasonal source. A location is any single site at a building, structure, facility, or installation. Any engine that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period.

An engine is not a non-road (portable) engine if it remains or will remain at a location for more than 12 consecutive months or for a shorter period of time if sited at a seasonal source. A seasonal source is a source that remains in a single location for two years or more and which operates for fewer than 12 months in a calendar year. If an engine operates at a seasonal source for one entire season, the engine does not meet the criteria of a non-road (portable) engine and is subject to applicable stationary engine requirements.

Records or *Logs* mean either hardcopy or electronic records.

Specification Waste Oil means a petroleum-based oil which, through use or handling, has become unsuitable for its original purpose due to the presence of impurities or loss of original properties, and meets all of the following requirements:

- It has sufficient liquid content to be free flowing;
- It meets all of the constituent and property standards as specified in *Waste Oil Management Rules*, 06-096 C.M.R. ch. 860;
- It does not otherwise exhibit hazardous waste characteristics; and
- It has not been mixed with a hazardous waste.

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 application for Eurovia does not include the licensing of increased emissions or the installation of new or modified equipment. Therefore, the license is considered to be a renewal of currently licensed emission units and has been processed through *Major and Minor Source Air Emission License Regulations*, 06-096 Code of Maine Rules (C.M.R.) ch. 115.

The requested amendment will not increase licensed emissions of any pollutant. Therefore, this amendment is determined to be a minor revision and has been processed as such.

E. Facility Classification

With the annual tonnage limit on HMA Batch Plant #23, the facility is licensed as follows:

- As a synthetic minor source of air emissions for criteria pollutants, because Eurovia is subject to license restrictions that keep facility emissions below major source thresholds for CO; 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

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.

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. HMA Batch Plant #23

Eurovia operates a stationary, hot mix asphalt plant, HMA Batch Plant #23 with a maximum hourly throughput of 180 ton/hr of asphalt and a burner that can fire specification waste oil and distillate fuel at 82 MMBtu/hr, propane at 80 MMBtu/hr, and natural gas at 89 MMBtu/hr.

Emission factors for asphalt plants are available based on tons of asphalt produced, and there is no linear relationship between plant output and burner firing rate. Therefore, to ensure annual emissions are limited to less than major source thresholds, asphalt throughput is limited instead of fuel consumption. Accordingly, the annual throughput of the asphalt plant shall not exceed 300,000 tons of asphalt per year on a calendar year total basis.

1. BPT Findings

The BPT emission limits for the asphalt plant when firing distillate fuel and specification waste oil were based on the following:

$PM/PM_{10}/PM_{2.5}$	–	0.03 gr/dscf and the use of a baghouse pursuant to 06-096 C.M.R. ch. 115, BPT
SO_2	–	8.8×10^{-2} lb/ton based on AP-42 Table 11.1-5 dated 3/04
NO_x	–	0.12 lb/ton based on AP-42 Table 11.1-5 dated 3/04
CO	–	0.40 lb/ton based on AP-42 Table 11.1-5 dated 3/04
VOC	–	3.6×10^{-2} lb/ton based on AP-42 Table 11.1-6 dated 3/04
Visible Emissions	–	06-096 C.M.R. ch. 101

The BPT emission limits for the asphalt plant when firing natural gas and propane were based on the following:

$PM/PM_{10}/PM_{2.5}$	–	0.03 gr/dscf and the use of a baghouse pursuant to 06-096 C.M.R. ch. 115, BPT
SO_2	–	4.6×10^{-3} lb/ton based on AP-42 Table 11.1-5 dated 3/04
NO_x	–	2.5^{-2} lb/ton based on AP-42 Table 11.1-5 dated 3/04
CO	–	0.40 lb/ton based on AP-42 Table 11.1-5 dated 3/04
VOC	–	8.2×10^{-3} lb/ton based on AP-42 Table 11.1-6 dated 3/04
Visible Emissions	–	06-096 C.M.R. ch. 101

The BPT emission limits for HMA Batch Plant #23 are the following:

Unit	PM (lb/hr)	PM_{10} (lb/hr)	$PM_{2.5}$ (lb/hr)	SO_2 (lb/hr)	NO_x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
HMA Batch Plant #23 (distillate fuel, spec. waste oil)	10.03	10.03	10.03	15.84	21.60	72.00	6.48
HMA Batch Plant #23 (natural gas, propane)	10.03	10.03	10.03	0.83	4.50	72.00	1.48

Visible emissions from the asphalt plant baghouse shall not exceed 20% opacity on a six-minute block average basis.

General process emissions from the asphalt plant shall be controlled so as to prevent visible emissions in excess of 20% opacity on a six-minute block average basis.

HMA Batch Plant #23 is licensed to fire distillate fuel. With limited exceptions, no person shall import, distribute, or offer for sale any distillate fuel with a sulfur content greater than 0.0015% by weight (15 ppm) pursuant to 38 M.R.S. § 603-A(2)(A)(3). Therefore, the distillate fuel purchased or otherwise obtained for use in HMA Batch Plant #23 shall not exceed 0.0015% by weight (15 ppm).

HMA Batch Plant #23 is licensed to fire specification waste oil, which shall not exceed a sulfur content of 0.7% by weight.

2. New Source Performance Standards

HMA Batch Plant #23 was manufactured pre-1973 and is therefore not subject to the federal Environmental Protection Agency's (EPA) New Source Performance Standards (NSPS) *Standards of Performance for Hot Mix Asphalt Facilities,* 40 Code of Federal Regulation (C.F.R.) Part 60, Subpart I for facilities constructed or modified after June 11, 1973. Although the plant was modified by having its burner replaced in 2017, the change was not a modification as defined in 40 C.F.R § 60.2 because it did not increase emissions into the atmosphere of any air pollutant to which a standard applies; therefore, HMA Batch Plant #23 is not subject to C.F.R. Part 60, Subpart I.

3. Control Equipment

Emissions from HMA Batch Plant #23 shall be controlled by a baghouse.

4. Periodic Monitoring

The performance of the baghouse shall be monitored by either one of the following at all times the asphalt plant is operating:

a. Continuous PM detector: When the detector signals excessive PM concentrations in the exhaust stream, Eurovia shall take corrective action within 24 hours, or immediately if visible emissions exceed 20% opacity.
b. Personnel available on-site with a current EPA 40 C.F.R. Part 60, Appendix A, Method 9 visible emissions certification: When visible emissions exceed 20% opacity, the hot mix asphalt plant is operating with insufficient control, and corrective action shall be taken immediately.

Eurovia shall keep records of baghouse failures, baghouse maintenance, and baghouse inspections.

To document maintenance of the baghouse, Eurovia shall keep records of the date and location of all bag failures, the date and a description of all routine and non-routine maintenance, and the date and results of all inspections. These records shall be kept on-site at the asphalt plant location. Records shall also be maintained recording the quantity and analyzed test results of all specification waste oil fired in the unit.

5. Contaminated Soils

a. Soils Contaminated with Gasoline and Distillate Fuel

Eurovia may process up to 10,000 cubic yards per calendar year of soil contaminated by gasoline or distillate fuel without prior approval from the Department's Bureau of Air Quality.

This limit may be exceeded with prior written authorization from the Department's Bureau of Air Quality. Requests will be evaluated on a case-by-case basis taking into account the nature and amount of the contaminated soil to be processed, the location where the processing will occur, and the potential for fugitive emissions.

b. General Requirements for Processing of Contaminated Soils

Eurovia shall not process soils which are classified as hazardous waste or which have unknown contaminants.

Eurovia shall notify the Department (regional air compliance inspector) at least 24 hours prior to processing the contaminated soil and specify the contaminating material and quantity, origin of the soil and contaminating material, and the disposition of the contaminated soil. This authorization to process contaminated soil does not absolve the facility of responsibility to comply with all other air emission license conditions and any other applicable state rules or statutes.

When processing contaminated soils, Eurovia shall maintain records which specify the quantity and type of contaminant in the soil as well as the origin and

characterization of the contaminated soil. In addition, when processing contaminated soil, Eurovia shall maintain records on an hourly basis of processing temperature, asphalt feed rates, and dryer throughput.

Any approval from the Department's Bureau of Air Quality to process contaminated soil does not supersede requirements from other Department bureaus. Similarly, approvals to process contaminated soil granted by another Department bureau does not supersede the limits imposed by this air emission license.

Processing of contaminated soils may also require a solid waste processing facility license under *Maine Solid Waste Management Rules*, 06-096 C.M.R. ch. 409, before processing of contaminated soils may occur. The material shall be handled in accordance with the requirements of the Department's Bureau of Remediation and Waste Management.

C. Omnia K-76

Omnia K-76 is a boiler with a maximum capacity of 3.2 MMBtu/hr, and fires distillate fuel with maximum sulfur content of 0.0015% by weight. The boiler was manufactured in 1982.

Omnia K-76 is licensed to fire distillate fuel. With limited exceptions, no person shall import, distribute, or offer for sale any distillate fuel with a sulfur content greater than 0.0015% by weight (15 ppm) pursuant to 38 M.R.S. § 603-A(2)(A)(3). Therefore, the distillate fuel purchased or otherwise obtained for use in Omnia K-76 shall not exceed 0.0015% by weight (15 ppm).

1. BPT Findings

The BPT emission limits for Omnia K-76 were based on the following:

$PM/PM_{10}/PM_{2.5}$	–	0.08 lb/MMBtu based on 06-096 C.M.R. ch. 115, BPT
SO_2	–	based on firing distillate fuel with a maximum sulfur content of 0.0015% by weight
NO_x	–	20 lb/1000 gal based on AP-42 Table 1.3-1 dated 5/10
CO	–	5 lb/1000 gal based on AP-42 Table 1.3-1 dated 5/10
VOC	–	0.34 lb/1000 gal based on AP-42 Table 1.3-3 dated 5/10
Visible Emissions	–	06-096 C.M.R. ch. 101

The BPT emission limits for Omnia K-76 are the following:

Unit	Pollutant	lb/MMBtu
Omnia K-76	PM	0.08

Unit	PM (lb/hr)	PM_{10} (lb/hr)	$PM_{2.5}$ (lb/hr)	SO_2 (lb/hr)	NO_x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
Omnia K-76	0.26	0.26	0.26	0.01	0.46	0.11	0.01

Omnia K-76 will retain its previously licensed fuel limit of 30,000 gallons of distillate fuel fired on a calendar year total basis.

Visible emissions from Omnia K-76 shall not exceed 20% opacity on a six-minute block average basis.

2. Periodic Monitoring

Periodic monitoring for Omnia K-76 shall include recordkeeping to document fuel use both on a monthly and calendar year total basis. Documentation shall include the type of fuel used and sulfur content of the fuel.

3. New Source Performance Standards

Due to the size and year of manufacture, Omnia K-76 is not subject to the New Source Performance Standards (NSPS) *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,* 40 C.F.R. Part 60, Subpart Dc for units greater than 10 MMBtu/hr manufactured after June 9, 1989. [40 C.F.R. § 60.40c]

4. National Emission Standards for Hazardous Air Pollutants

Omnia K-76 is 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 JJJJJJ. The unit is considered an existing oil boiler, rated less than 10 MMBtu/hr. [40 C.F.R. §§ 63.11193 and 63.11195]

Applicable federal 40 C.F.R. Part 63, Subpart JJJJJJ requirements include the following. 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.

1. The facility shall implement a boiler tune-up program. [40 C.F.R. § 63.11223]

   a. 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
Oil fired boilers with a heat input capacity of ≤ 5 MMBtu/hr	Every 5 years

[40 C.F.R. § 63.11223(a) and Table 2]

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, not to exceed 72 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 72 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)]

c. 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)]

d. After conducting the initial boiler tune-up, a Notification of Compliance Status shall be submitted to EPA. [40 C.F.R. § 63.11225(a)(4) and 40 C.F.R. § 63.11214(b)]

2. Compliance Report

For every five-year compliance period, Eurovia shall prepare a compliance report which will be prepared by March 1st of the following year to document the information below for the five-year period. 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."

3. Recordkeeping

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

   (i) Copies of notifications and reports with supporting compliance documentation;
   (ii) 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;
   (iii) Records of the occurrence and duration of each malfunction of each applicable boiler; and
   (iv) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore the malfunctioning boiler.

b. Records shall be in a form suitable and readily available for expeditious review. Each record must be kept for 5 years following the date of each recorded action. Each record must be kept on-site or be accessible from a central location by computer or other means that instantly provides access at the site for at least 2 years after the date of each recorded action. The records may be maintained off-site for the remaining 3 years. [40 C.F.R. § 63.11225(d)] Note: Standard Condition (8) of this license requires all records be retained for six years; therefore, the five-year record retention requirement of Subpart JJJJJJ shall be streamlined to the more stringent six-year requirement.

D. Heatec HCS-175

Eurovia operates hot oil heater Heatec HCS-175, which is used to keep the asphalt from solidifying. It has a maximum design capacity of 2.0 MMBtu/hr and fires distillate fuel, propane, and natural gas. Heatec HCS-175 was manufactured in 1995.

Heatec HCS-175 is licensed to fire distillate fuel. With limited exceptions, no person shall import, distribute, or offer for sale any distillate fuel with a sulfur content greater than 0.0015% by weight (15 ppm) pursuant to 38 M.R.S. § 603-A(2)(A)(3). Therefore, the distillate fuel purchased or otherwise obtained for use in Heatec HCS-175 shall not exceed 0.0015% by weight (15 ppm).

1. BPT Findings

The BPT emission limits for Heatec HCS-175 when firing distillate fuel were based on the following:

$PM/PM_{10}/PM_{2.5}$	–	0.08 lb/MMBtu based on 06-096 C.M.R. ch. 115, BPT
SO_2	–	based on firing distillate fuel with a maximum sulfur content of 0.0015% by weight
NO_x	–	20 lb/1000 gal based on AP-42 Table 1.3-1 dated 5/10
CO	–	5 lb/1000 gal based on AP-42 Table 1.3-1 dated 5/10
VOC	–	0.34 lb/1000 gal based on AP-42 Table 1.3-3 dated 5/10
Visible Emissions	–	06-096 C.M.R. ch. 101

The BPT emission limits for Heatec HCS-175 when firing natural gas were based on the following:

$PM/PM_{10}/PM_{2.5}$	–	0.05 lb/MMBtu based on 06-096 C.M.R. ch. 115, BPT
SO_2	–	0.6 lb/MMscf based on AP-42 Table 1.4-2 dated 7/98
NO_x	–	100 lb/MMscf based on AP-42 Table 1.4-1 dated 7/98
CO	–	84 lb/MMscf based on AP-42 Table 1.4-1 dated 7/98
VOC	–	5.5 lb/MMscf based on AP-42 Table 1.4-2 dated 7/98
Visible Emissions	–	06-096 C.M.R. ch. 101

The BPT emission limits for Heatec HCS-175 when firing propane were based on the following:

$PM/PM_{10}/PM_{2.5}$	–	0.05 lb/MMBtu based on 06-096 C.M.R. ch. 115, BPT
SO_2	–	0.054 lb/1000 gal based on AP-42 Table 1.5-1 dated 5/25
NO_x	–	13 lb/1000 gal based on AP-42 Table 1.5-1 dated 5/25
CO	–	7.5 lb/1000 gal based on AP-42 Table 1.5-1 dated 5/25
VOC	–	1 lb/1000 gal based on AP-42 Table 1.5-1 dated 5/25
Visible Emissions	–	06-096 C.M.R. ch. 101

The BPT emission limits for Heatec HCS-175 are the following:

Unit	PM (lb/hr)	PM_{10} (lb/hr)	$PM_{2.5}$ (lb/hr)	SO_2 (lb/hr)	NO_x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
Heatec HCS-175 *distillate fuel*	0.16	0.16	0.16	0.01	0.29	0.07	0.01
Heatec HCS-175 *natural gas*	0.10	0.10	0.10	0.01	0.19	0.16	0.01
Heatec HCS-175 *propane*	0.10	0.10	0.10	0.01	0.28	0.16	0.02

When firing distillate fuel, visible emissions from Heatec HCS-175 shall not exceed 20% opacity on a six-minute block average basis.

When firing propane or natural gas, visible emissions from Heatec HCS-175 shall not exceed 10% opacity on a six-minute block average basis.

2. Periodic Monitoring

Periodic monitoring for Heatec HCS-175 shall include recordkeeping to document fuel use both on a monthly and calendar year total basis. Documentation shall include the type and quantity of each fuel used and sulfur content of the distillate fuel fired.

3. New Source Performance Standards

The Heatec HCS-175 hot oil heater does not heat water. It does not meet the definition of a "steam generating unit" and therefore is not subject to New Source Performance Standards (NSPS) *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,* 40 C.F.R. Part 60, Subpart Dc for units greater than 10 MMBtu/hr manufactured after June 9, 1989. [40 C.F.R. § 60.40c]

4. National Emission Standards for Hazardous Air Pollutants

   The Heatec HCS-175 does not heat water. It does not meet the definition of a "boiler" and therefore is not subject to *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources,* 40 C.F.R. Part 63 Subpart JJJJJJ.

E. Concrete Batch Plant #18

Concrete Batch Plant #18 is rated at 228 cubic yards/hour and includes four silos, Storage Silo #H1, Storage Silo #H2, Storage Silo #C1, and Storage Silo #C2. They have a storage capacity of 150 tons, 150 tons, 100 tons, and 150 tons respectively, and were installed in 1995, 1995, 1990, and 1990, respectively.

When in operation, all components of each concrete batch plant shall be maintained so as to prevent PM leaks. To meet the requirements of BPT for emissions of particulate matter, emissions from the cement silos shall be vented through a baghouse designed for 99% removal efficiency. Visible emissions from each baghouse shall not exceed 10% opacity on a six-minute block average basis.

To document maintenance of each cement silo baghouse, Eurovia shall keep a maintenance record recording the date and location of all bag failures as well as all routine and non-routine maintenance and inspections. The maintenance and inspection record shall be kept on-site at the concrete batch plant location

F. Rock Crushers

Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG are portable units which were manufactured pre-1973, 1993, and 1987, respectively, with rated capacities of 450 tons/hr, 400 tons/hr, and 400 tons/hr, respectively. The nonmetallic mineral processing plant also consists of other equipment associated with Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG, such as screens and belt conveyors.

1. BPT Findings

   The regulated pollutant from nonmetallic mineral processing plants is particulate matter. To meet the requirements of BPT for control of particulate matter emissions, Eurovia shall install and maintain water sprays on the nonmetallic mineral processing plants and operate as needed, when the units are in operation, to control visible emissions.

2. Visible Emissions

Visible emissions from Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG shall each be limited to no greater than 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(2)]

3. New Source Performance Standards

The federal regulation *Standards of Performance for Nonmetallic Mineral Processing Plants,* 40 C.F.R. Part 60, Subpart OOO, applies to equipment at nonmetallic mineral processing plants with capacities greater than 25 ton/hr for fixed plants and 150 ton/hr for portable plants. The requirements of Subpart OOO apply to any crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, or enclosed truck or railcar loading station at a nonmetallic mineral processing plant greater than the sizes listed above which commenced construction, modification, or reconstruction after August 31, 1983.

Rock Crushers TER77VSI, and SECHAZEMAG are part of a nonmetallic mineral processing plant with a maximum capacity of greater than 150 ton/hr and were manufactured after August 31, 1983. These crushers are therefore affected facilities subject to 40 C.F.R. Part 60, Subpart OOO. **Any grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, or enclosed truck or railcar loading station associated with these crushers are also affected facilities subject to 40 C.F.R. Part 60, Subpart OOO.** [40 C.F.R. §§ 60.670(c) and (e)]

Rock Crusher PRI3850P has a maximum thruput rating greater than 150 tons/hr, but was manufactured prior to 1983. However, the Department has determined that due to the age and considerable impact on the equipment in Crusher PRI3850P, it is likely that PRI3850P went through reconstruction or modification after August 31, 1983, and is therefore subject to EPA's New Source Performance Standards (NSPS) 40 C.F.R Part 60, Subpart OOO. Performance testing required by Subpart OOO for Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG were successfully completed on September 28, 2012.

a. Notification

Eurovia shall submit notification to the Department and EPA of the date of initial startup of every affected facility (as listed above) postmarked within 15 days of the startup. This notification shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted. For portable units, this notification shall also include both the home office and the current address or location of the portable plant. [40 C.F.R. § 60.676(i)]

As specified in the Order section of this license, for the rock crushers and ancillary equipment subject to 40 C.F.R. Part 60, Subpart OOO and corresponding sections of Subpart A, Eurovia shall comply with the notification and recordkeeping requirements of 40 C.F.R. §§ 60.676 and 60.7, except for § 60.7(a)(1) pursuant to § 60.676(h). [40 C.F.R. §§ 60.676(b), (f), and (i)]

Please note, although Eurovia may have already submitted notifications and conducted performance testing for existing equipment, any new affected facility (any grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, or enclosed truck or railcar loading station) subsequently brought on-site to replace or operate in conjunction with an affected facility must also comply with all applicable requirements of 40 C.F.R. Part 60, Subpart OOO including notification, testing, and recordkeeping requirements.

b. Standards

Subpart OOO, Table 3 contains applicable visible emission requirements for affected facilities.

Visible emissions from Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG shall not exceed 15% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

The Department has determined that the visible emission limit in 06-096 C.M.R. ch. 101 applicable to the rock crushers is more stringent than the applicable limit in 40 C.F.R. Part 60, Subpart OOO. Therefore, the visible emission limit for Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG has been streamlined to the more stringent limit, and only this more stringent limit shall be included in the Order of this air emission license.

Visible emissions from any affected facility other than rock crushers, including transfer points on belt conveyors, portable screens, etc., which commenced construction, modification, or reconstruction before April 22, 2008, shall not exceed 10% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

Visible emissions from any affected facility other than rock crushers, including transfer points on belt conveyors, portable screens, etc., which commenced construction, modification, or reconstruction on or after April 22, 2008, shall not exceed 7% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

The Department has determined that the visible emission limit in 40 C.F.R. Part 60, Subpart OOO applicable to affected equipment other than rock crushers is more stringent than the applicable limit in 06-096 C.M.R. ch. 101. Therefore, the visible emission limit for has been streamlined to the more stringent limit, and only this more stringent limit shall be included in the Order of this air emission license.

c. Monitoring Requirements

Eurovia shall maintain records detailing the maintenance on particulate matter control equipment including spray nozzles. Eurovia shall perform monthly inspections of any water sprays to ensure water is flowing to the correct locations and initiate corrective action within 24 hours if water is found to not be flowing properly. Records of the date of each inspection and any corrective action required shall be included in the maintenance records. The maintenance records shall be kept on-site at the rock crushing location. [40 C.F.R. §§ 60.674(b) and 60.676(b)(1)]

d. Testing Requirements

Subpart OOO, § 60.675 requires that an initial performance test for visible emissions be conducted on Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG and on all associated affected facilities subject to Subpart OOO, potentially including **any associated grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, and enclosed truck or railcar loading station.** The performance tests were completed for PRI3850P, TER77VSI, and SECHAZEMAG on September 28th, 2012, and all necessary documentation has been provided to the Department.

Please note, although Eurovia may submit notifications and conduct performance testing for multiple affected facilities as a group, any new affected facility subsequently brought on-site to replace or operate in conjunction with an affected facility must also comply with all applicable requirements of 40 C.F.R. Part 60, Subpart OOO including notification and testing requirements.

G. General Process Emissions

Visible emissions from any general process that is not part of a nonmetallic mineral processing plant shall not exceed 20% opacity on a six-minute block average basis.

H. Fugitive Emissions Including Stockpiles and Roadways

Eurovia shall not cause emissions of any fugitive dust during any period of construction, reconstruction, or operation without taking reasonable precautions. Such reasonable precautions shall be included in the facility's continuing program of best management

practices for suppression of fugitive particulate matter. See 06-096 C.M.R. ch. 101, § 4(C) for a list of potential reasonable precautions.

Eurovia shall not cause or allow visible emissions within 20 feet of ground level, measured as any level of opacity and not including water vapor, beyond the legal boundary of the property on which such emissions occur. Compliance with this standard shall be determined pursuant to 40 C.F.R. Part 60, Appendix A, Method 22.

I. 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:

- Processing 300,000 ton/year of asphalt;
- Firing 30,000 gal/yr of distillate fuel in Omnia K-76;
- Firing Heatec HCS-175 for 8,760 hr/yr.

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}	$PM_{2.5}$	SO_2	NO_x	CO	VOC
HMA Batch Plant #23	8.4	8.4	8.4	13.2	18.0	60.0	5.4
Ominia K-76	0.2	0.2	0.2	0.1	0.3	0.1	0.1
Heatec HCS-175	0.8	0.8	0.8	0.1	1.3	0.8	0.1
Total TPY	**9.4**	**9.4**	**9.4**	**13.4**	**19.6**	**60.9**	**5.6**

Pollutant	Tons/year
Single HAP	7.9
Total HAP	19.9

III. AMBIENT AIR QUALITY ANALYSIS

The level of ambient air quality impact modeling required for a minor source to demonstrate that Ambient Air Quality Standards (AAQS) will not be exceeded 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
$PM_{2.5}$	15
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 renewal and minor revision.

This determination is based on information provided by the applicant regarding licensed 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 Eurovia 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,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License Renewal A-363-71-P-R/M, subject to the following conditions.

Severability. The invalidity or unenforceability of any provision of this License Renewal or part thereof shall not affect the remainder of the provision or any other provisions. This License Renewal 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. § 347-C).

(2) The licensee shall acquire a new or amended air emission license prior to beginning actual construction of a modification, unless specifically provided for in 06-096 C.M.R. ch. 115. [06-096 C.M.R. ch. 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 C.M.R. ch. 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 C.M.R. ch. 115]

(5) The licensee shall pay the annual air emission license fee to the Department, calculated pursuant to Title 38 M.R.S. § 353-A. [06-096 C.M.R. ch. 115] Payment of the annual air emission license fee for Eurovia is due by the end of May of each year. [38 M.R.S. § 353-A(3)]

(6) The license does not convey any property rights of any sort or any exclusive privilege. [06-096 C.M.R. ch. 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 C.M.R. ch. 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 C.M.R. ch. 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 C.M.R. ch. 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 C.M.R. ch. 115]

(11) In accordance with the Department's air emission compliance test protocol and 40 C.F.R. 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 C.F.R. 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 C.M.R. ch. 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 the written test report by the Department, or another alternative timeframe approved by the Department, 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 C.F.R. 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 C.M.R. ch. 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 license requirement. [06-096 C.M.R. ch. 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 emissions 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 C.M.R. ch. 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 C.M.R. ch. 115]

(16) The licensee 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 (38 M.R.S. § 605). [06-096 C.M.R. ch. 115]

SPECIFIC CONDITIONS

(17) **HMA Batch Plant #23**

A. Fuel Use

1. The asphalt plant is licensed to fire distillate fuel, specification waste oil, natural gas, and propane. [06-096 C.M.R. ch. 115, BPT]
2. The facility shall not purchase or otherwise obtain distillate fuel with a maximum sulfur content that exceeds 0.0015% by weight (15 ppm). Fuel sulfur content compliance shall be demonstrated by fuel delivery receipts from the supplier, a statement from the supplier that the fuel delivered meets Maine's fuel sulfur content standards, certificate of analysis, or testing of fuel in the tank on-site. [06-096 C.M.R. ch. 115, BPT]
3. The facility shall not purchase or otherwise obtain specification waste oil with a maximum sulfur content that exceeds 0.7% by weight. Fuel sulfur content

compliance shall be demonstrated by fuel delivery receipts from the supplier, a statement from the supplier that the fuel delivered meets Maine's fuel sulfur content standards, certificate of analysis, or testing of fuel in the tank on-site. [06-096 C.M.R. ch. 115, BPT]

B. The annual throughput of the asphalt plant shall not exceed 300,000 tons of asphalt per year on a calendar year total basis. Records of asphalt production shall be kept on a monthly and calendar year total basis. [06-096 C.M.R. ch. 115, BPT]

C. Emissions from the asphalt plant shall vent to a baghouse, and all components of the asphalt plant shall be maintained so as to prevent PM leaks. [06-096 C.M.R. ch. 115, BPT]

D. The performance of the baghouse shall be monitored by either one of the following at all times the hot mix asphalt plant is operating:
[06-096 C.M.R. ch. 115, BPT]

1. Continuous PM detector: When the detector signals excessive PM concentrations in the exhaust stream, Eurovia shall take corrective action within 24 hours, or immediately if opacity exceeds 20%.
2. Personnel available on-site with a current EPA Method 9 visible emissions certification: When visible emissions exceed 20% opacity, the asphalt plant is operating with insufficient control, and corrective action shall be taken immediately.

E. To document maintenance of the baghouse, Eurovia shall keep records of the date and location of all bag failures, the date and a description of all routine and non-routine maintenance, and the date and results of all inspections. These records shall be kept on-site at the asphalt plant location. [06-096 C.M.R. ch. 115, BPT]

F. Emissions from the HMA Batch Plant #23 baghouse shall not exceed the following [06-096 C.M.R. ch. 115, BPT]:

Pollutant	grs/dscf	lb/hr Distillate fuel, Spec. waste oil	lb/hr Propane, Natural gas
PM	0.03	10.3	4.10
PM_{10}	–	10.3	4.10
$PM_{2.5}$	–	10.3	4.10
SO_2	–	15.84	0.83
NO_x	–	21.60	4.50
CO	–	72.00	72.00
VOC	–	6.48	1.48

G. Visible emissions from the baghouse shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(1)]

H. General process emissions from the hot mix asphalt plant shall be controlled so as to prevent visible emissions in excess of 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(4)]

I. Contaminated Soils

1. Soils Contaminated with Gasoline and Distillate Fuel

Eurovia may process up to 10,000 cubic yards per calendar year of soil contaminated by gasoline or distillate fuel without prior approval from the Department's Bureau of Air Quality.

This limit may be exceeded with prior written authorization from the Department's Bureau of Air Quality. Requests will be evaluated on a case-by-case basis taking into account the nature and amount of the contaminated soil to be processed, the location where the processing will occur, and the potential for fugitive emissions.

2. General Requirements for Contaminated Soils

a. Eurovia shall not process soils which are classified as hazardous waste or which have unknown contaminants.

b. Eurovia shall notify the Department (regional air compliance inspector) at least 24 hours prior to processing the contaminated soil and specify the contaminating material and quantity, origin of the soil and contaminating material, and the disposition of the contaminated soil. This authorization to process contaminated soil does not absolve the facility of responsibility to comply with all other air emission license conditions and any other applicable state rules or statutes.

c. When processing contaminated soils, Eurovia shall maintain records which specify the quantity and type of contaminant in the soil as well as the origin and characterization of the contaminated soil. In addition, when processing contaminated soil, Eurovia shall maintain records on an hourly basis of processing temperature, asphalt feed rates, and dryer throughput.

[06-096 C.M.R. ch. 115, BPT]

(18) **Omnia K-76**

A. Fuel

1. Total fuel use for Omnia K-76 shall not exceed 30,000 gal/yr of distillate fuel, based on a calendar year total. Compliance shall be demonstrated by fuel records from the supplier showing the quantity and type of fuel delivered. Records of annual fuel use shall be kept on a monthly and calendar year total basis. [06-096 C.M.R. ch. 115, BPT]
2. Eurovia 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]
3. Compliance shall be demonstrated by fuel records showing the quantity, type, and the percent sulfur of the fuel used . Records of annual fuel use shall be kept on a monthly and calendar year total basis. Fuel sulfur content compliance shall be demonstrated by fuel delivery receipts from the supplier, a statement from the supplier that the fuel delivered meets Maine's fuel sulfur content standards, certificate of analysis, or testing of fuel in the tank on-site. [06-096 C.M.R. ch. 115, BPT]

B. Emissions shall not exceed the following:

Unit	Pollutant	lb/MMBtu	Origin and Authority
Omnia K-76	PM	0.08	06-096 C.M.R. ch. 115, BPT

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

Unit	PM (lb/hr)	PM_{10} (lb/hr)	$PM_{2.5}$ (lb/hr)	SO_2 (lb/hr)	NO_x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
Omnia K-76	0.26	0.26	0.26	0.01	0.46	0.11	0.01

D. Visible emissions from Omnia K-76 shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(A)(2)]

E. Eurovia shall comply with all requirements of 40 C.F.R. Part 63, Subpart JJJJJJ applicable to Omnia K-76 including, but not limited to, the following: [incorporated under 06-096 C.M.R. ch. 115, BPT]

1. The facility shall implement a boiler tune-up program. [40 C.F.R. § 63.11223]

   a. 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
Oil fired boilers with a heat input capacity of ≤5MMBtu/hr	Every 5 years

[40 C.F.R. § 63.11223(a) and Table 2]

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, not to exceed 72 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 72 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)]

c. 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)]

d. After conducting the initial boiler tune-up, a Notification of Compliance Status shall be submitted to EPA. [40 C.F.R. § 63.11225(a)(4) and 40 C.F.R. § 63.11214(b)]

2. Compliance Report

For every five-year compliance period, Eurovia shall prepare a compliance report by March 1st of the following year to document the information below for the five-year period. The report shall be maintained by the source and submitted to the Department and/or to the EPA upon request. If the source experiences any deviations from the applicable requirements during the reporting period, the report must be submitted by March 15 and include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

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."

3. Recordkeeping

a. Records shall be maintained consistent with the requirements of 40 C.F.R. Part 63, Subpart JJJJJJ 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.

b. Records shall be in a form suitable and readily available for expeditious review. Each record must be kept for 5 years following the date of each recorded action. Each record must be kept on-site or be accessible from a central location by computer or other means that instantly provides access at the site for at least 2 years after the date of each recorded action. The records may be maintained off-site for the remaining 3 years. [40 C.F.R. § 63.11225(d)] Note: Standard Condition (8) of this license requires all records be retained for six years; therefore, the five-year record retention requirement of Subpart JJJJJJ shall be streamlined to the more stringent six-year requirement.

(19) **Heatec HCS-175**

A. Fuel

1. 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]
2. Compliance shall be demonstrated by fuel records showing the quantity, type, and the percent sulfur of the fuel used. Records of annual fuel use shall be kept on a monthly and calendar year total basis. Fuel sulfur content compliance shall be demonstrated by fuel delivery receipts from the supplier, a statement from the supplier that the fuel delivered meets Maine's fuel sulfur content standards, certificate of analysis, or testing of fuel in the tank on-site. [06-096 C.M.R. ch. 115, BPT]

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

Unit	PM (lb/hr)	PM_{10} (lb/hr)	$PM_{2.5}$ (lb/hr)	SO_2 (lb/hr)	NO_x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
Heatec HCS-175 *distillate fuel*	0.16	0.16	0.16	0.01	0.29	0.07	0.01
Heatec HCS-175 *natural gas*	0.10	0.10	0.10	0.01	0.19	0.16	0.01
Heatec HCS-175 *propane*	0.10	0.10	0.10	0.01	0.28	0.16	0.02

C. Visible emissions from Heatec HCS-175 when firing distillate fuel shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(A)(2)]

D. Visible emissions from Heatec HCS-175 when firing natural gas or propane shall not exceed 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(A)(3)]

(20) **Concrete Batch Plant #18**

A. Particulate emissions from the cement silos shall each be vented through a baghouse and all components of the concrete batch plant shall be maintained so as to prevent PM leaks. [06-096 C.M.R. ch. 115, BPT]

B. To document maintenance of each cement silo baghouses, the licensee shall keep a maintenance record recording the date and location of all bag failures as well as all routine and non-routine maintenance and inspections. The maintenance and inspection record shall be kept on-site at the concrete batch plant location. [06-096 C.M.R. ch. 115, BPT]

C. Visible emissions from each cement silo baghouse shall not exceed 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(3)]

D. PM emissions from the concrete batching operation shall be controlled so as to prevent visible emissions in excess of 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(4)]

(21) **Rock Crushers**

A. Eurovia shall install and maintain spray nozzles for control of particulate matter on the nonmetallic mineral processing plants and operate as needed, when the units are in operation, to control visible emissions. [06-096 C.M.R. ch. 115, BPT]

B. Eurovia shall maintain records of the dates and times of all operating hours for the Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG. The operation records shall be kept on-site at the rock crushing location. [06-096 C.M.R. ch. 115, BPT]

C. Visible emissions from Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG shall each be limited to no greater than 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(2)]

D. NSPS Subpart OOO Requirements

Eurovia shall comply with all requirements of 40 C.F.R. Part 60, Subpart OOO applicable to Rock Crushers PRI3850P, TER77VSI, and SECHAZEMAG and each associated affected facility including any grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, and enclosed truck or railcar loading station including but not limited to, the following.

1. Eurovia shall submit notification to the Department of the date of initial startup of any affected facility postmarked within 15 days of the startup. This notification shall include a description of each affected facility, equipment manufacturer, and

serial number of the equipment, if available. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted. For portable units, this notification shall also include both the home office and the current address or location of the portable plant. [40 C.F.R. § 60.676(i)]

2. Visible emissions from any affected facility other than rock crushers, including transfer points on belt conveyors, portable screens, etc., which commenced construction, modification, or reconstruction before April 22, 2008, shall not exceed 10% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

3. Visible emissions from any affected facility other than rock crushers, including transfer points on belt conveyors, portable screens, etc., which commenced construction, modification, or reconstruction on or after April 22, 2008, shall not exceed 7% opacity on a six-minute block average basis. [40 C.F.R. Part 60, Subpart OOO, Table 3]

4. Eurovia shall maintain records detailing the maintenance on particulate matter control equipment including spray nozzles. Eurovia shall perform monthly inspections of any water sprays to ensure water is flowing to the correct locations and initiate corrective action within 24 hours if water is found to not be flowing properly. Records of the date of each inspection and any corrective action required shall be included in the maintenance records. The maintenance records shall be kept on-site at the rock crushing location. [40 C.F.R. §§ 60.674(b) and 60.676(b)(1)]

5. An initial performance test shall be completed on any affected facilities operated with a rock crusher subject to 40 C.F.R. Part 60, Subpart OOO in accordance with the applicable sections of 40 C.F.R. § 60.675. This potentially includes each associated grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, and enclosed truck or railcar loading station. The performance test shall be conducted within 60 days after achieving the maximum production rate at which the unit will be operated, but no later than 180 days after initial startup of the unit. If the initial performance test for a unit falls within a seasonal shutdown, then with approval from the Department, the initial performance test may be postponed until no later than 60 calendar days after resuming operation of the affected equipment. [40 C.F.R. §§ 60.672(b) and 60.675(i)]

6. Eurovia shall submit a test notice to the Department at least seven days prior to conducting a performance test. [40 C.F.R. § 60.675(g)]

   Note: Although some federal standards, such as 40 C.F.R. Part 60, Subpart OOO, allow for a shorter pretest notification period, the Department requires pretest

notification a minimum of 30 days prior to the scheduled date of the performance test unless a variance of this requirement is preapproved by the Department. [06-096 C.F.R. ch. 115, BPT]

(22) **General Process Sources**

Visible emissions from any general process that is not part of a nonmetallic mineral processing plant shall not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 101, § 4(B)(4)]

(23) **Fugitive Emissions Including Stockpiles and Roadways**

Eurovia shall not cause emissions of any fugitive dust during any period of construction, reconstruction, or operation without taking reasonable precautions. Such reasonable precautions shall be included in the facility's continuing program of best management practices for suppression of fugitive particulate matter. See 06-096 C.M.R. ch. 101, § 4(C) for a list of potential reasonable precautions.

Eurovia shall not cause or allow visible emissions within 20 feet of ground level, measured as any level of opacity and not including water vapor, beyond the legal boundary of the property on which such emissions occur. Compliance with this standard shall be determined pursuant to 40 C.F.R. Part 60, Appendix A, Method 22. [06-096 C.M.R. ch. 101, § 4(C)]

(24) **Equipment Relocation** [06-096 C.M.R. ch. 115, BPT]

A. Eurovia shall provide written notification to the Bureau of Air Quality prior to relocation of any equipment carried on this license. It is preferred for notice of relocation to be submitted through the Department's on-line e-notice at: www.maine.gov/dep/air/compliance/forms/relocation

Written notice may also be sent by mail. Notification sent by mail shall be sent to the address below:

Attn: Relocation Notice
Maine DEP
Bureau of Air Quality
17 State House Station
Augusta, ME 04333-0017

The notification shall include the license number in which the equipment is addressed, identification of the equipment moved, the address of the equipment's new location, and the date the equipment will be moved.

B. Written notification shall also be made to the municipality where the equipment will be relocated, except in the case of an unorganized territory where notification shall be made to the respective county commissioners. The notification to the Department shall include the date the municipality was notified.

(25) Performance Test Protocol

For any performance testing required by this license, Eurovia shall submit to the Department for approval a performance test protocol, as outlined in the Department's Performance Testing Guidance, at least 30 days prior to the scheduled date of the performance test. [06-096 C.M.R. ch. 115, BPT]

(26) Eurovia shall keep a copy of this Order on site with the licensed equipment and ensure the operator(s) are familiar with the terms of this Order. [06-096 C.M.R. ch. 115, BPT]

(27) If the Department determines that any parameter value pertaining to construction and operation of the 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, Eurovia may be required to submit additional information. Upon written request from the Department, Eurovia 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 20th DAY OF OCTOBER, 2025.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:_____ for ____
MELANIE LOYZIM, COMMISSIONER

The term of this license shall be ten (10) years from the signature date above.

[Note: If a renewal application, determined as complete by the Department, is submitted prior to expiration of this license, then pursuant to Title 5 M.R.S. § 10002, all terms and conditions of the license shall remain in effect until the Department takes final action on the license renewal application.]

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 8/12/2025
Date of application acceptance: 8/12/2025

This Order prepared by Jack Doran, Bureau of Air Quality.