KEEP PERMIT AT SITE

CONTROL NO. B - 06780

State of Maryland

Larry Hogan
Governor

Ben Grumbles
Secretary

DEPARTMENT OF THE ENVIRONMENT

Air and Radiation Administration
1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

[ ] Construction Permit

[X] Part 70 Operating Permit

NOV 16 2021

PERMIT NO. 24-039-0055

DATE ISSUED

PERMIT FEE To be paid in accordance with COMAR 26.11.02.19B

EXPIRATION DATE July 31, 2026

LEGAL OWNER & ADDRESS

Maryland Environmental Service
259 Najoles Road
Millersville, MD, 21108
Attn: Mr. Timothy Ford
Acting Managing Director

SITE

Eastern Correctional Institution
30420 Revells Neck Road
Westover, MD 21871-9799
Somerset County
AI #7485

SOURCE DESCRIPTION

One Correctional Facility consisting of fuel burning equipment.

This source is subject to the conditions described on the attached pages.

Program Manager

Director, Air and Radiation Administration

(NOT TRANSFERABLE)

EASTERN CORRECTIONAL INSTITUTION
30420 REVELLS NECK ROAD
WESTOVER, MARYLAND 21871
PART 70 OPERATING PERMIT NO. 24-039-0055

SECTION I SOURCE IDENTIFICATION

1. DESCRIPTION OF FACILITY

Eastern Correctional Institution (ECI) is a State of Maryland adult male prison, housing approximately 3,300 inmates, located at 30420 Revells Neck Road in Westover Maryland. The facility encompasses 300 acres in Somerset County. The Institution is separated into three sections: East and West sides are medium security installations, and the Annex is a minimum-security facility. Electricity and steam for the daily operation of the Institution are provided by the co-generation facility consisting of two (2) natural-fired boilers, four (4) emergency diesel generators and a water/wastewater plant. Also, the Annex operates seven (7) small boilers for space heaters and two (2) furnaces in the MCE building. Maryland Correctional Enterprises (MCE) operates a furniture restoration shop with three (3) paint spray booths and two (2) steel grit blasting booths, a print and textile shop. The SIC code for the ECI complex is 9223.

2. FACILITY INVENTORY LIST

Emissions Unit Number	MDE - ARA Registration Number	Emissions Unit Name and Description	Date of Installation
NATURAL GAS-FIRED BOILERS			
EU-1 & EU-2	039-0055-3-0010 & 3-0011	Two (2) Cleaver Brooks natural gas-fired boilers, each rated at 37.8 MMBtu/hr. (with No.2 fuel oil as back-up) located in the Power Plant	Modified 2021; September 1986.
EU-10, EU-11, EU-12 & EU-13	039-0055-5-0003 thru 5-0006	Four (4) Peerless, natural gas fired hot water boilers, each rated at 1.64 MMBtu/hr. located in the Annex	Modified 2021; July 1993
EU-14, EU-15, & EU-16	039-0055-5-0023 thru 5-0025	Three (3) Laars natural gas-fired hot water boilers, each rated at 1.5 MMBtu/hr. located in the Annex	2021
	039-0055-5-0026 & 5-0027	Two (2) Weather-Rite natural gas fired furnaces, each rated at 2.30 MMBtu/hr. Located in the MCE Building.	2021
EMERGEMCY GENERATORS			
EU-3 & EU-4	9-0018 & 9-0019	Two (2) Alban/Caterpillar Drive (Model CAT 3512) emergency diesel-fired generators, each rated at 1,025 kW.	January 1987

EU-17	19-9-0015 N	One (1) Cummins/Onan Model 1000 DFJD emergency diesel generator rated at 1000 kW located at the Wastewater treatment plant.	July 1997
EU-18	039-0055-9-0056	One (1) Cummins Model 750DQCB emergency diesel generator rated at 1220 hp located at the Wastewater treatment plant.	February 2012
SPRAY BOOTHS			
EU-5, EU-6 & EU-7	6-0008, 6-0009 & 6-0010	Three (3) John R. Wald Co. (Model 10-12 SB) Spray booths equipped with high volume low pressure (HVLP) spray guns	April 1991
EU-8	19-9-0002 N	One (1) John R. Wald Co. Steel Shot Blasting machine equipped with cartridge type filters to remove rust and old paint from frames and metal parts of furniture.	March 1991
EU-9	19-9-0003 N	One (1) John R. Wald Co. Steel Grit Blasting room, equipped with cartridge type dust collector to remove rust and old paint form the frames and metal parts of used furniture	April 1991
STORAGE TANK			
EU-20	9-0028	10,000-gallon Underground Gas tank	November 2001

SECTION II GENERAL CONDITIONS

1. DEFINITIONS

[COMAR 26.11.01.01] and [COMAR 26.11.02.01]

The words or terms in this Part 70 permit shall have the meanings established under COMAR 26.11.01 and .02 unless otherwise stated in this permit.

2. ACRONYMS

ARA	Air and Radiation Administration
BACT	Best Available Control Technology
Btu	British thermal unit
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEM	Continuous Emissions Monitor
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMAR	Code of Maryland Regulations
EPA	United States Environmental Protection Agency
FR	Federal Register
gr	grains
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
MDE	Maryland Department of the Environment
MVAC	Motor Vehicle Air Conditioner
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards
NSR	New Source Review
OTR	Ozone Transport Region
PM	Particulate Matter
PM10	Particulate Matter with Nominal Aerodynamic Diameter of 10 micrometers or less
ppm	parts per million
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PTC	Permit to construct
PTO	Permit to operate (State)
SIC	Standard Industrial Classification

SO_2	Sulfur Dioxide
TAP	Toxic Air Pollutant
tpy	tons per year
VE	Visible Emissions
VOC	Volatile Organic Compounds

3. EFFECTIVE DATE

The effective date of the conditions in this Part 70 permit is the date of permit issuance, unless otherwise stated in the permit.

4. PERMIT EXPIRATION

[COMAR 26.11.03.13B(2)]

Upon expiration of this permit, the terms of the permit will automatically continue to remain in effect until a new Part 70 permit is issued for this facility provided that the Permittee has submitted a timely and complete application and has paid applicable fees under COMAR 26.11.02.16.

Otherwise, upon expiration of this permit the right of the Permittee to operate this facility is terminated.

5. PERMIT RENEWAL

[COMAR 26.11.03.02B(3)] and [COMAR 26.11.03.02E]

The Permittee shall submit to the Department a completed application for renewal of this Part 70 permit at least 12 months before the expiration of the permit. Upon submitting a completed application, the Permittee may continue to operate this facility pending final action by the Department on the renewal.

The Permittee, upon becoming aware that any relevant facts were omitted, or incorrect information was submitted in the permit application, shall submit such supplementary facts or corrected information no later than 10 days after becoming aware that this occurred. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a completed application was submitted, but prior to the release of a draft

permit. This information shall be submitted to the Department no later than 20 days after a new requirement has been adopted.

6. CONFIDENTIAL INFORMATION

[COMAR 26.11.02.02G]

In accordance with the provisions of the State Government Article, Sec. 10-611 et seq., Annotated Code of Maryland, all information submitted in an application shall be considered part of the public record and available for inspection and copying, unless the Permittee claims that the information is confidential when it is submitted to the Department. At the time of the request for inspection or copying, the Department will make a determination with regard to the confidentiality of the information. The Permittee, when requesting confidentiality, shall identify the information in a manner specified by the Department and, when requested by the Department, promptly provide specific reasons supporting the claim of confidentiality. Information submitted to the Department without a request that the information be deemed confidential may be made available to the public. Subject to approval of the Department, the Permittee may provide a summary of confidential information that is suitable for public review. The content of this Part 70 permit is not subject to confidential treatment.

7. PERMIT ACTIONS

[COMAR 26.11.03.06E(3)] and [COMAR 26.11.03.20(A)]

This Part 70 permit may be revoked or reopened and revised for cause. The filing of an application by the Permittee for a permit revision or renewal; or a notification of termination, planned changes or anticipated noncompliance by the facility, does not stay a term or condition of this permit.

The Department shall reopen and revise, or revoke the Permittee's Part 70 permit under the following circumstances:

a. Additional requirements of the Clean Air Act become applicable to this facility and the remaining permit term is 3 years or more;

b. The Department or the EPA determines that this Part 70 permit contains a material mistake, or is based on false or inaccurate information supplied by or on behalf of the Permittee;

c. The Department or the EPA determines that this Part 70 permit must be revised or revoked to assure compliance with applicable requirements of the Clean Air Act; or

d. Additional requirements become applicable to an affected source under the Federal Acid Rain Program.

8. PERMIT AVAILABILITY

[COMAR 26.11.02.13G]

The Permittee shall maintain this Part 70 permit in the vicinity of the facility for which it was issued, unless it is not practical to do so, and make this permit immediately available to officials of the Department upon request.

9. REOPENING THE PART 70 PERMIT FOR CAUSE BY THE EPA

[COMAR 26.11.03.20B]

The EPA may terminate, modify, or revoke and reissue a permit for cause as prescribed in 40 CFR §70.7(g)

10. TRANSFER OF PERMIT

[COMAR 26.11.02.02E]

The Permittee shall not transfer this Part 70 permit except as provided in COMAR 26.11.03.15.

11. REVISION OF PART 70 PERMITS – GENERAL CONDITIONS

[COMAR 26.11.03.14] and [COMAR 26.11.03.06A(8)]

a. The Permittee shall submit an application to the Department to revise this Part 70 permit when required under COMAR 26.11.03.15 -.17.

b. When applying for a revision to a Part 70 permit, the Permittee shall comply with the requirements of COMAR 26.11.03.02 and .03 except that the application for a revision need include only information listed that is related to the proposed change to the source and revision to the permit. This information shall be sufficient to evaluate the proposed change and to determine whether it will comply with all applicable requirements of the Clean Air Act.

c. The Permittee may not change any provision of a compliance plan or schedule in a Part 70 permit as an administrative permit amendment or as a minor permit modification unless the change has been approved by the Department in writing.

d. A permit revision is not required for a change that is provided for in this permit relating to approved economic incentives, marketable permits, emissions trading, and other similar programs.

12. SIGNIFICANT PART 70 OPERATING PERMIT MODIFICATIONS

[COMAR 26.11.03.17]

The Permittee may apply to the Department to make a significant modification to its Part 70 Permit as provided in COMAR 26.11.03.17 and in accordance with the following conditions:

a. A significant modification is a revision to the federally enforceable provisions in the permit that does not qualify as an administrative permit amendment under COMAR 26.11.03.15 or a minor permit modification as defined under COMAR 26.11.03.16.

b. This permit does not preclude the Permittee from making changes, consistent with the provisions of COMAR 26.11.03, that would make the permit or particular terms and conditions of the permit irrelevant, such as by shutting down or reducing the level of operation of a source or of an emissions unit within the source. Air pollution control equipment shall not be shut down or its level of operation reduced if doing so would violate any term of this permit.

c. Significant permit modifications are subject to all requirements of COMAR 26.11.03 as they apply to permit issuance and renewal,

including the requirements for applications, public participation, and review by affected states and EPA, except:

(1) An application need include only information pertaining to the proposed change to the source and modification of this permit, including a description of the change and modification, and any new applicable requirements of the Clean Air Act that will apply if the change occurs;

(2) Public participation, and review by affected states and EPA, is limited to only the application and those federally enforceable terms and conditions of the Part 70 permit that are affected by the significant permit modification.

d. As provided in COMAR 26.11.03.15B(5), an administrative permit amendment may be used to make a change that would otherwise require a significant permit modification if procedures for enhanced preconstruction review of the change are followed that satisfy the requirements of 40 CFR 70.7(d)(1)(v).

e. Before making a change that qualifies as a significant permit modification, the Permittee shall obtain all permits-to-construct and approvals required by COMAR 26.11.02.

f. The Permittee shall not make a significant permit modification that results in a violation of any applicable requirement of the Clean Air Act.

g. The permit shield in COMAR 26.11.03.23 applies to a final significant permit modification that has been issued by the Department, to the extent applicable under COMAR 26.11.03.23.

13. MINOR PERMIT MODIFICATIONS

[COMAR 26.11.03.16]

The Permittee may apply to the Department to make a minor modification to the federally enforceable provisions of this Part 70 permit as provided in COMAR 26.11.03.16 and in accordance with the following conditions:

a. A minor permit modification is a Part 70 permit revision that:

(1) Does not result in a violation of any applicable requirement of the Clean Air Act;

(2) Does not significantly revise existing federally enforceable monitoring, including test methods, reporting, record keeping, or compliance certification requirements except by:

(a) Adding new requirements,

(b) Eliminating the requirements if they are rendered meaningless because the emissions to which the requirements apply will no longer occur, or

(c) Changing from one approved test method for a pollutant and source category to another;

(3) Does not require or modify a:

(a) Case-by-case determination of a federally enforceable emissions standard,

(b) Source specific determination for temporary sources of ambient impacts, or

(c) Visibility or increment analysis;

(4) Does not seek to establish or modify a federally enforceable permit term or condition for which there is no corresponding underlying applicable requirement of the Clean Air Act, but that the Permittee has assumed to avoid an applicable requirement to which the source would otherwise be subject, including:

(a) A federally enforceable emissions standard applied to the source pursuant to COMAR 26.11.02.03 to avoid classification as a Title I modification; and

(b) An alternative emissions standard applied to an emissions unit pursuant to regulations promulgated under Section 112(i)(5) of the Clean Air Act

(5) Is not a Title I modification; and

(6) Is not required under COMAR 26.11.03.17 to be processed as a significant modification to this Part 70 permit.

b. Application for a Minor Permit Modification

The Permittee shall submit to the Department an application for a minor permit modification that satisfies the requirements of COMAR 26.11.03.03 which includes the following:

(1) A description of the proposed change, the emissions resulting from the change, and any new applicable requirements that will apply if the change is made;

(2) The proposed minor permit modification;

(3) Certification by a responsible official, in accordance with COMAR 26.11.02.02F, that:

(a) The proposed change meets the criteria for a minor permit modification, and

(b) The Permittee has obtained or applied for all required permits-to-construct required by COMAR 26.11.03.16 with respect to the proposed change;

(4) Completed forms for the Department to use to notify the EPA and affected states, as required by COMAR 26.11.03.07-.12.

c. Permittee's Ability to Make Change

(1) For changes proposed as minor permit modifications to this permit that will require the applicant to obtain a permit to construct, the permit to construct must be issued prior to the new change.

(2) During the period of time after the Permittee applies for a minor modification but before the Department acts in accordance with COMAR 26.11.03.16F(2):

(a) The Permittee shall comply with applicable requirements of the Clean Air Act related to the change and the permit terms and conditions described in the application for the minor modification.

(b) The Permittee is not required to comply with the terms and conditions in the permit it seeks to modify. If the Permittee fails to comply with the terms and conditions in the application during this time, the terms and conditions of both this permit and the application for modification may be enforced against it.

d. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.16 is not within the scope of this regulation.

e. Minor permit modification procedures may be used for Part 70 permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, but only to the extent that the minor permit modification procedures are explicitly provided for in regulations approved by the EPA as part of the Maryland SIP or in other applicable requirements of the Clean Air Act.

14. ADMINISTRATIVE PART 70 OPERATING PERMIT AMENDMENTS

[COMAR 26.11.03.15]

The Permittee may apply to the department to make an administrative permit amendment as provided in COMAR 26.11.03.15 and in accordance with the following conditions:

a. An application for an administrative permit amendment shall:

(1) Be in writing;

(2) Include a statement certified by a responsible official that the proposed amendment meets the criteria in COMAR 26.11.03.15 for an administrative permit amendment, and

(3) Identify those provisions of this part 70 permit for which the amendment is requested, including the basis for the request.

b. An administrative permit amendment:

(1) Is a correction of a typographical error;

(2) Identifies a change in the name, address, or phone number of a person identified in this permit, or a similar administrative change involving the Permittee or other matters which are not directly related to the control of air pollution;

(3) requires more frequent monitoring or reporting by the Permittee;

(4) Allows for a change in ownership or operational control of a source for which the Department determines that no other revision to the permit is necessary and is documented as per COMAR 26.11.03.15B(4);

(5) Incorporates into this permit the requirements from preconstruction review permits or approvals issued by the Department in accordance with COMAR 26.11.03.15B(5), but only if it satisfies 40 CFR 70.7(d)(1)(v);

(6) Incorporates any other type of change, as approved by the EPA, which is similar to those in COMAR 26.11.03.15B(1)—(4);

(7) Notwithstanding COMAR 26.11.03.15B(1)—(6), all modifications to acid rain control provisions included in this Part 70 permit are governed by applicable requirements promulgated under Title IV of the Clean Air Act; or

(8) Incorporates any change to a term or condition specified as State-only enforceable, if the Permittee has obtained all necessary permits-to-construct and approvals that apply to the change.

c. The Permittee may make the change addressed in the application for an administrative amendment upon receipt by the Department of the application, if all permits-to-construct or approvals otherwise required by COMAR 26.11.02 prior to making the change have first been obtained from the Department.

d. The permit shield in COMAR 26.11.03.23 applies to administrative permit amendments made under Section B(5) of COMAR 26.11.03.15 , but only after the Department takes final action to revise the permit.

e. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.15 is not within the scope of this regulation.

15. OFF-PERMIT CHANGES TO THIS SOURCE

[COMAR 26.11.03.19]

The Permittee may make off-permit changes to this facility as provided in COMAR 26.11.03.19 and in accordance with the following conditions:

a. The Permittee may make a change to this permitted facility that is not addressed or prohibited by the federally enforceable conditions of this Part 70 permit without obtaining a Part 70 permit revision if:

(1) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;

(2) The change is not subject to any requirements under Title IV of the Clean Air Act;

(3) The change is not a Title I modification; and

(4) The change does not violate an applicable requirement of the Clean Air Act or a federally enforceable term or condition of the permit.

b. For a change that qualifies under COMAR 26.11.03.19, the Permittee shall provide contemporaneous written notice to the Department and the EPA, except for a change to an emissions unit or activity that is exempt from the Part 70 permit application, as provided in COMAR 26.11.03.04. This written notice shall describe the change, including the date it was made, any change in emissions, including the pollutants emitted, and any new applicable requirements of the Clean Air Act that apply as a result of the change.

c. Upon satisfying the requirements of COMAR 26.11.03.19, the Permittee may make the proposed change.

d. The Permittee shall keep a record describing:

(1) Changes made at the facility that result in emissions of a regulated air pollutant subject to an applicable requirement of the Clean Air Act, but not otherwise regulated under this permit; and

(2) The emissions resulting from those changes.

e. Changes that qualify under COMAR 26.11.03.19 are not subject to the requirements for Part 70 revisions.

f. The Permittee shall include each off-permit change under COMAR 26.11.03.19 in the application for renewal of the part 70 permit.

g. The permit shield in COMAR 26.11.03.23 does not apply to off-permit changes made under COMAR 26.11.03.19.

h. The Permittee is subject to enforcement action if it is determined that an off-permit change made under COMAR 26.11.03.19 is not within the scope of this regulation.

16. ON-PERMIT CHANGES TO SOURCES

[COMAR 26.11.03.18]

The Permittee may make on-permit changes that are allowed under Section 502(b)(10) of the Clean Air Act as provided in COMAR 26.11.03.18 and in accordance with the following conditions:

a. The Permittee may make a change to this facility without obtaining a revision to this Part 70 permit if:

(1) The change is not a Title I modification;

(2) The change does not result in emissions in excess of those expressly allowed under the federally enforceable provisions of the Part 70 permit for the permitted facility or for an emissions unit within the facility, whether expressed as a rate of emissions or in terms of total emissions;

(3) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;

(4) The change does not violate an applicable requirement of the Clean Air Act;

(5) The change does not violate a federally enforceable permit term or condition related to monitoring, including test methods, record keeping, reporting, or compliance certification requirements;

(6) The change does not violate a federally enforceable permit term or condition limiting hours of operation, work practices, fuel usage, raw material usage, or production levels if the term or condition has been established to limit emissions allowable under this permit;

(7) If applicable, the change does not modify a federally enforceable provision of a compliance plan or schedule in this Part 70 permit unless the Department has approved the change in writing; and

(8) This permit does not expressly prohibit the change under COMAR 26.11.03.18.

b. The Permittee shall notify the Department and the EPA in writing of a proposed on-permit change under COMAR 26.11.03.18 not later than 7 days before the change is made. The written information shall include the following information:

(1) A description of the proposed change;

(2) The date on which the change is proposed to be made;

(3) Any change in emissions resulting from the change, including the pollutants emitted;

(4) Any new applicable requirement of the Clean Air Act; and

(5) Any permit term or condition that would no longer apply.

c. The responsible official of this facility shall certify in accordance with COMAR 26.11.02.02F that the proposed change meets the criteria for the use of on-permit changes under COMAR 26.11.03.18.

d. The Permittee shall attach a copy of each notice required by condition b. above to this Part 70 permit.

e. On-permit changes that qualify under COMAR 26.11.03.18 are not subject to the requirements for part 70 permit revisions.

f. Upon satisfying the requirements under COMAR 26.11.03.18, the Permittee may make the proposed change.

g. The permit shield in COMAR 26.11.03.23 does not apply to on-permit changes under COMAR 26.11.03.18.

h. The Permittee is subject to enforcement action if it is determined that an on-permit change made under COMAR 26.11.03.18 is not within the scope of the regulation or violates any requirement of the State air pollution control law.

17. FEE PAYMENT

[COMAR 26.11.02.16A(2) & (5)(b)]

a. The fee for this Part 70 permit is as prescribed in Regulation .19 of COMAR 26.11.02.

b. The fee is due on and shall be paid on or before each 12-month anniversary date of the permit.

c. Failure to pay the annual permit fee constitutes cause for revocation of the permit by the Department.

18. REQUIREMENTS FOR PERMITS-TO-CONSTRUCT AND APPROVALS

[COMAR 26.11.02.09.]

The Permittee may not construct or modify or cause to be constructed or modified any of the following sources without first obtaining, and having in current effect, the specified permits-to-construct and approvals:

a. New Source Review source, as defined in COMAR 26.11.01.01, approval required, except for generating stations constructed by electric companies;

b. Prevention of Significant Deterioration source, as defined in COMAR 26.11.01.01, approval required, except for generating stations constructed by electric companies;

c. New Source Performance Standard source, as defined in COMAR 26.11.01.01, permit to construct required, except for generating stations constructed by electric companies;

d. National Emission Standards for Hazardous Air Pollutants source, as defined in COMAR 26.11.01.01, permit to construct required, except for generating stations constructed by electric companies;

e. A stationary source of lead that discharges one ton per year or more of lead or lead compounds measured as elemental lead, permit to construct required, except for generating stations constructed by electric companies;

f. All stationary sources of air pollution, including installations and air pollution control equipment, except as listed in COMAR 26.11.02.10, permit to construct required;

g. In the event of a conflict between the applicability of (a.— e.) above and an exemption listed in COMAR 26.11.02.10, the provision that requires a permit applies.

h. Approval of a PSD or NSR source by the Department does not relieve the Permittee obtaining an approval from also obtaining all permits-to-construct required by (c.— g.) above.

19. CONSOLIDATION OF PROCEDURES FOR PUBLIC PARTICIPATION

[COMAR 26.11.02.11C] and [COMAR 26.11.03.01K]

The Permittee may request the Department to authorize special procedures for the Permittee to apply simultaneously, to the extent possible, for a permit to construct and a revision to this permit.

These procedures may provide for combined public notices, informational meetings, and public hearings for both permits but shall not adversely affect the rights of a person, including EPA and affected states, to obtain information about the application for a permit, to comment on an application, or to challenge a permit that is issued.

These procedures shall not alter any existing permit procedures or time frames.

20. PROPERTY RIGHTS

[COMAR 26.11.03.06E(4)]

This Part 70 permit does not convey any property rights of any sort, or any exclusive privileges.

21. SEVERABILITY

[COMAR 26.11.03.06A(5)]

If any portion of this Part 70 permit is challenged, or any term or condition deemed unenforceable, the remainder of the requirements of the permit continues to be valid.

22. INSPECTION AND ENTRY

[COMAR 26.11.03.06G(3)]

The Permittee shall allow employees and authorized representatives of the Department, the EPA, and local environmental health agencies, upon presentation of credentials or other documents as may be required by law, to:

a. Enter at a reasonable time without delay and without prior notification the Permittee's property where a Part 70 source is located, emissions-related activity is conducted, or records required by this permit are kept;

b. Have access to and make copies of records required by the permit;

c. Inspect all emissions units within the facility subject to the permit and all related monitoring systems, air pollution control equipment, and practices or operations regulated or required by the permit; and

d. Sample or monitor any substances or parameters at or related to the emissions units at the facility for the purpose of determining compliance with the permit.

23. DUTY TO PROVIDE INFORMATION

[COMAR 26.11.03.06E(5)]

The Permittee shall furnish to the Department, within a reasonable time specified by the Department, information requested in writing by the Department in order to determine whether the Permittee is in compliance with the federally enforceable conditions of this Part 70 permit, or whether cause exists for revising or revoking the permit. Upon request, the Permittee shall also furnish to the Department records required to be kept under the permit.

For information claimed by the Permittee to be confidential and therefore potentially not disclosable to the public, the Department may require the Permittee to provide a copy of the records directly to the EPA along with a claim of confidentiality.

The Permittee shall also furnish to the Department, within a reasonable time specified by the Department, information or records requested in writing by the Department in order to determine if the Permittee is in compliance with the State-only enforceable conditions of this permit.

24. COMPLIANCE REQUIREMENTS

[COMAR 26.11.03.06E(1)] and [COMAR 26.11.03.06A(11)] and [COMAR 26.11.02.05]

The Permittee shall comply with the conditions of this Part 70 permit. Noncompliance with the permit constitutes a violation of the Clean Air Act, and/or the Environment Article Title 2 of the Annotated Code of Maryland and may subject the Permittee to:

a. Enforcement action,

b. Permit revocation or revision,

c. Denial of the renewal of a Part 70 permit, or

d. Any combination of these actions.

The conditions in this Part 70 permit are enforceable by EPA and citizens under the Clean Air Act except for the State-only enforceable conditions.

Under Environment Article Section 2-609, Annotated Code of Maryland, the Department may seek immediate injunctive relief against a person who violates this permit in such a manner as to cause a threat to human health or the environment.

25. CREDIBLE EVIDENCE

Nothing in this permit shall be interpreted to preclude the use of credible evidence to demonstrate noncompliance with any term of this permit.

26. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE

[COMAR 26.11.03.06E(2)]

The need to halt or reduce activity in order to comply with the conditions of this permit may not be used as a defense in an enforcement action.

27. CIRCUMVENTION

[COMAR 26.11.01.06]

The Permittee may not install or use any article, machine, equipment or other contrivance, the use of which, without resulting in a reduction in the total weight of emissions, conceals or dilutes emissions which would otherwise constitute a violation of any applicable air pollution control regulation.

28. PERMIT SHIELD

[COMAR 26.11.03.23]

A permit shield as described in COMAR 26.11.03.23 shall apply only to terms and conditions in this Part 70 permit that have been specifically

identified as covered by the permit shield. Neither this permit nor COMAR 26.11.03.23 alters the following:

a. The emergency order provisions in Section 303 of the Clean Air Act, including the authority of EPA under that section;

b. The liability of the Permittee for a violation of an applicable requirement of the Clean Air Act before or when this permit is issued or for a violation that continues after issuance;

c. The requirements of the Acid Rain Program, consistent with Section 408(a) of the Clean Air Act;

d. The ability of the Department or EPA to obtain information from a source pursuant to Maryland law and Section 114 of the Clean Air Act; or

e. The authority of the Department to enforce an applicable requirement of the State air pollution control law that is not an applicable requirement of the Clean Air Act.

29. ALTERNATE OPERATING SCENARIOS

[COMAR 26.11.03.06A(9)]

For all alternate operating scenarios approved by the Department and contained within this permit, the Permittee, while changing from one approved scenario to another, shall contemporaneously record in a log maintained at the facility each scenario under which the emissions unit is operating and the date and time the scenario started and ended.

SECTION III PLANT WIDE CONDITIONS

1. PARTICULATE MATTER FROM CONSTRUCTION AND DEMOLITION

[COMAR 26.11.06.03D]

The Permittee shall not cause or permit any building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne.

2. OPEN BURNING

[COMAR 26.11.07]

Except as provided in COMAR 26.11.07.04, the Permittee shall not cause or permit an open fire from June 1 through August 31 of any calendar year. Prior to any open burning, the Permittee shall request and receive approval from the Department.

3. AIR POLLUTION EPISODE

[COMAR 26.11.05.04]

When requested by the Department, the Permittee shall prepare in writing standby emissions reduction plans, consistent with good industrial practice and safe operating procedures, for reducing emissions creating air pollution during periods of Alert, Warning, and Emergency of an air pollution episode.

4. REPORT OF EXCESS EMISSIONS AND DEVIATIONS

[COMAR 26.11.01.07] and [COMAR 26.11.03.06C(7)]

The Permittee shall comply with the following conditions for occurrences of excess emissions and deviations from requirements of this permit, including those in Section VI – State-only Enforceable Conditions:

a. Report any deviation from permit requirements that could endanger human health or the environment, by orally notifying the Department immediately upon discovery of the deviation;

b. Promptly report all occurrences of excess emissions that are expected to last for one hour or longer by orally notifying the Department of the onset and termination of the occurrence;

c. When requested by the Department the Permittee shall report all deviations from permit conditions, including those attributed to malfunctions as defined in COMAR 26.11.01.07A, within 5 days of the request by submitting a written description of the deviation to the Department. The written report shall include the cause, dates and times of the onset and termination of the deviation, and an account of all actions planned or taken to reduce, eliminate, and prevent recurrence of the deviation;

d. The Permittee shall submit to the Department semi-annual monitoring reports that confirm that all required monitoring was performed, and that provide accounts of all deviations from permit requirements that occurred during the reporting periods. Reporting periods shall be January 1 through June 30 and July 1 through December 31, and reports shall be submitted within 30 days of the end of each reporting period. Each account of deviation shall include a description of the deviation, the dates and times of onset and termination, identification of the person who observed or discovered the deviation, causes and corrective actions taken, and actions taken to prevent recurrence. If no deviations from permit conditions occurred during a reporting period, the Permittee shall submit a written report that so states.

e. When requested by the Department, the Permittee shall submit a written report to the Department within 10 days of receiving the request concerning an occurrence of excess emissions. The report shall contain the information required in COMAR 26.11.01.07D(2).

5. ACCIDENTAL RELEASE PROVISIONS

[COMAR 26.11.03.03B(23)] and [40 CFR 68]

Should the Permittee become subject to 40 CFR 68 during the term of this permit, the Permittee shall submit risk management plans by the date

specified in 40 CFR 68.150 and shall certify compliance with the requirements of 40 CFR 68 as part of the annual compliance certification as required by 40 CFR 70.

The Permittee shall initiate a permit revision or reopening according to the procedures of 40 CFR 70.7 to incorporate appropriate permit conditions into the Permittee's Part 70 permit.

6. GENERAL TESTING REQUIREMENTS

[COMAR 26.11.01.04]

The Department may require the Permittee to conduct, or have conducted, testing to determine compliance with this Part 70 permit. The Department, at its option, may witness or conduct these tests. This testing shall be done at a reasonable time, and all information gathered during a testing operation shall be provided to the Department.

7. EMISSIONS TEST METHODS

[COMAR 26.11.01.04]

Compliance with the emissions standards and limitations in this Part 70 permit shall be determined by the test methods designated and described below or other test methods submitted to and approved by the Department.

Reference documents of the test methods approved by the Department include the following:

a. 40 CFR 60, appendix A

b. 40 CFR 51, appendix M

c. The Department's Technical Memorandum 91-01 "Test Methods and Equipment Specifications for Stationary Sources", (January 1991), as amended through Supplement 3, (October 1, 1997)

8. EMISSIONS CERTIFICATION REPORT

[COMAR 26.11.01.05-1] and [COMAR 26.11.02.19C] and [COMAR 26.11.02.19D]

The Permittee shall certify actual annual emissions of regulated pollutants from the facility on a calendar year basis.

a. The certification shall be on forms obtained from the Department and submitted to the Department not later than April 1 of the year following the year for which the certification is required;

b. The individual making the certification shall certify that the information is accurate to the individual's best knowledge. The individual shall be:

(1) Familiar with each source for which the certifications forms are submitted, and

(2) Responsible for the accuracy of the emissions information;

c. The Permittee shall maintain records necessary to support the emissions certification including the following information if applicable:

(1) The total amount of actual emissions of each regulated pollutant and the total of all regulated pollutants;

(2) An explanation of the methods used to quantify the emissions and the operating schedules and production data that were used to determine emissions, including significant assumptions made;

(3) Amounts, types and analyses of all fuels used;

(4) Emissions data from continuous emissions monitors that are required by this permit, including monitor calibration and malfunction information;

(5) Identification, description, and use records of all air pollution control equipment and compliance monitoring equipment including:

(a) Significant maintenance performed,
(b) Malfunctions and downtime, and
(c) Episodes of reduced efficiency of all equipment;

(6) Limitations on source operation or any work practice standards that significantly affect emissions; and

(7) Other relevant information as required by the Department.

9. COMPLIANCE CERTIFICATION REPORT

[COMAR 26.11.03.06G(6) and (7)]

The Permittee shall submit to the Department and EPA Region III a report certifying compliance with each term of this Part 70 permit including each applicable standard, emissions limitation, and work practice for the previous calendar year by April 1 of each year.

a. The compliance certification shall include:

(1) The identification of each term or condition of this permit which is the basis of the certification;

(2) The compliance status;

(3) Whether the compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of each source, currently and over the reporting period; and

(5) Any other information required to be reported to the Department that is necessary to determine the compliance status of the Permittee with this permit.

b. The Permittee shall submit the compliance certification reports to the Department and EPA simultaneously.

10. CERTIFICATION BY RESPONSIBLE OFFICIAL

[COMAR 26.11.02.02F]

All application forms, reports, and compliance certifications submitted pursuant to this permit shall be certified by a responsible official as to truth, accuracy, and completeness. The Permittee shall expeditiously notify the Department of an appointment of a new responsible official.

The certification shall be in the following form:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

11. SAMPLING AND EMISSIONS TESTING RECORD KEEPING

[COMAR 26.11.03.06C(5)]

The Permittee shall gather and retain the following information when sampling and testing for compliance demonstrations:

a. The location as specified in this permit, and the date and time that samples and measurements are taken;

b. All pertinent operating conditions existing at the time that samples and measurements are taken;

c. The date that each analysis of a sample or emissions test is performed and the name of the person taking the sample or performing the emissions test;

d. The identity of the Permittee, individual, or other entity that performed the analysis;

e. The analytical techniques and methods used; and

f. The results of each analysis.

12. GENERAL RECORDKEEPING

[COMAR 26.11.03.06C(6)]

The Permittee shall retain records of all monitoring data and information that support the compliance certification for a period of five (5) years from the date that the monitoring, sample measurement, application, report or emissions test was completed or submitted to the Department.

These records and support information shall include:

a. All calibration and maintenance records;

b. All original data collected from continuous monitoring instrumentation;

c. Records which support the annual emissions certification; and

d. Copies of all reports required by this permit.

13. GENERAL CONFORMITY

[COMAR 26.11.26.09]

The Permittee shall comply with the general conformity requirements of 40 CFR 93, Subpart B and COMAR 26.11.26.09.

14. ASBESTOS PROVISIONS

[40 CFR 61, Subpart M]

The Permittee shall comply with 40 CFR 61, Subpart M when conducting any renovation or demolition activities at the facility.

15. OZONE DEPLETING REGULATIONS

[40 CFR 82, Subpart F]

The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for MVACs in subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the prohibitions and required practices pursuant to 40 CFR 82.154 and 82.156.

b. Equipment used during the maintenance, service, repair or disposal of appliances shall comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

c. Persons performing maintenance, service, repairs or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.

d. Persons disposing of small appliances, MVACS, and MVAC-like appliances as defined in 40 CFR 82.152, shall comply with record keeping requirements pursuant to 40 CFR 82.155.

e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

16. ACID RAIN PERMIT

Not applicable

SECTION IV PLANT SPECIFIC CONDITIONS

This section provides tables that include the emissions standards, emissions limitations, and work practices applicable to each emissions unit located at this facility. The Permittee shall comply with all applicable emissions standards, emissions limitations and work practices included herein.

The tables also include testing, monitoring, record keeping and reporting requirements specific to each emissions unit. In addition to the requirements included here in **Section IV**, the Permittee is also subject to the general testing, monitoring, record keeping, and reporting requirements included in **Section III – Plant Wide Conditions** of this permit.

Unless otherwise provided in the specific requirements for an emissions unit, the Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, all records that the Permittee is required under this section to establish**. [Reference: COMAR 26.11.03.06C(5)(g)]**

Table IV – 1	
1.0	**Emissions Unit Number(s): EU-1 & EU-2: Boilers** **EU-1 & EU-2**: Two (2) Cleaver Brooks natural gas-fired boilers, each rated at 37.8 MMBtu/hr. (with No.2 fuel oil as back-up) located in the Power Plant. [**MDE Reg.:039-0055-3-0010 & 3-0011**]
1.1	**Applicable Standards/Limits :** A. Control of Visible Emissions **COMAR 26.11.09.05** – Visible Emissions **A**. Fuel Burning Equipment. "(**1**) Areas I, II, V, and VI. In Areas I, II, V, and VI, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is greater than 20 percent opacity. (**3**) Exceptions. Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if: (a) The visible emissions are not greater than 40 percent opacity; and (b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

Table IV – 1	
	When operating on No. 2 fuel oil: B. Control of Sulfur Oxides **A**. Sulfur Content Limitations for Fuel. "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitations: (**1**) In Areas I, II, V, and VI: (**a**) The combustion of all solid fuels on a premises where the sum total maximum rated heat input of all fuel burning equipment located on the premises is 100 million Btu (106 gigajoules) per hour or greater may not result in a total emission of oxides of sulfur in excess of 3.5 pounds per million Btu (1.50 kilograms per gigajoule) actual heat input per hour; (**c**) Distillate fuel oils, 0.3 percent." C. Control of Nitrogen Oxides **COMAR 26.11.09.08B(5**) - Operator Training. "(**a**) For purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation. (**b**) The operator training course sponsored by the Department shall include an in-house training course that is approved by the Department." **COMAR 26.11.09.08E**. - Requirements for Fuel-Burning Equipment with a Rated Heat Input Capacity of 100 Million Btu Per Hour or Less. "A person who owns or operates fuel-burning equipment with a rated heat input capacity of 100 Million Btu per hour or less shall: (1) Submit to the Department an identification of each affected installation, the rated heat input capacity of each installation, and the type of fuel burned in each; (2) Perform a combustion analysis for each installation at least once each year and optimize combustion based on the analysis; (3) Maintain the results of the combustion analysis at the site for at least 2 years and make this data available to the Department and the EPA upon request; (4) Once every 3 years, require each operator of the installation to attend operator training programs on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and (5) Prepare and maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request."

Table IV – 1	
	D. Operational Limitation The Permittee shall fire natural gas except during periods of gas curtailment or gas supply interruption. **[Reference: MDE Permit to construct 039-0055-5-3-0010 & -3-0011 issued March 30, 2021, Condition Part C(3)]**.
1.2	**Testing Requirements:** A. Control of Visible Emissions See Monitoring Requirements. B. Control of Sulfur Oxides See Monitoring Requirements. C. Control of Nitrogen Oxides See Monitoring Requirements. D. Operational Limitations See Monitoring Requirements.
1.3	**Monitoring Requirements:** A. Control of Visible Emissions The Permittee shall: (1) properly operate and maintain the boilers; and (2) perform an EPA Reference Method 9 observation of stack emissions once per week for a 6-minute period. If visible emissions in excess of 20 percent opacity are observed, continue observation for an additional 12-minutes. **[Reference: COMAR 26.11.03.06C]** The Permittee shall perform the following, if emissions are in non-compliance with the 20 percent opacity standard: (1) inspect combustion control system and boiler operations; (2) perform all necessary adjustments and/or repairs to the boiler, so that visible emission in excess of 20 percent opacity are eliminated; (3) document in writing the results of the inspections, adjustments and/or repairs to the boiler; and (4) perform Method 9 observations once daily for 18-minutes until corrective actions have eliminated visible emissions in excess of 20 percent opacity. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall obtain a certification from the fuel supplier indication that the oil complies with the limitation of sulfur content. **[Reference: COMAR 26.11.03.06C]**

Table IV – 1	
	C. Control of Nitrogen Oxides The Permittee shall maintain an operating and maintenance plan to minimize NO_X emissions based on the combustion analysis. **[Reference: COMAR 26.11.03.06C]** D. Operational Limitations See Record Keeping Requirements.
1.4	**Record Keeping Requirements:** Note : All records must be maintained for a period of at least 5 years and be made available to the Department upon request. **[Reference : COMAR 26.11.03.06C(5)(g)]** A. Control of Visible Emissions The Permittee shall maintain an operations manual and preventative maintenance plan and records of maintenance performed that relates to combustion performance and preventing visible emissions. The Permittee shall maintain a log visible emission observation performed. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall retain on site documents certifying the sulfur content of fuel oil received. **[Reference: COMAR 26.11.03.06C]** C. Control of Nitrogen Oxides The Permittee shall maintain the following: (1) the results of the combustion analysis; and (2) a record of training program attendance for each operator at the site and make these records available to the Department upon request. **[Reference: COMAR 26.11.09.08E(3&5)]** D. Operational Limitations The Permittee shall maintain records of fuel use and make available to the Department upon request. **[Reference: COMAR 26.11.03.06C]**
1.5	**Reporting Requirements:** A. Control of Visible Emissions The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, “Report of Excess Emissions and Deviations.” **[Reference: COMAR 26.11.03.06C]**

Table IV – 1	
	B. Control of Sulfur Oxides **COMAR 26.11.09.07C**. - Request for Analyses. "Any person offering to sell or deliver fuel or any person responsible for equipment in which fuel or process gas is burned, upon request, shall submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation." C. Control of Nitrogen Oxides See Record Keeping Requirements. D. Operational Limitations See Record Keeping Requirements.

Table IV – 2	
2.0	**Emissions Unit Number(s): EU-3 & EU-4, EU-17 & EU-18: Emergency Generators** **EU-3 & EU-4**: Two (2) Alban/Caterpillar Drive (Model CAT 3512) emergency diesel-fired generators, each rated at 1,025 kW. [**MDE Reg. No. 19-9-0018 & 19-9-0019]** **EU-17**: One (1) Cummins/Onan Model 1000 DFJD emergency diesel generator rated at 1000 kW located at the Wastewater treatment plant. **[MDE Reg. No. 19-9-0015N]** **EU-18**: One (1) Cummins Model 750DQCB emergency diesel generator rated at 1220 hp located at the Wastewater treatment plant **[MDE Reg. No. 039-0055-9-0056]**
2.1	**Applicable Standards/Limits :** A. Control of Visible Emissions **COMAR 26.11.09.05** – Visible Emissions **E**. Stationary Internal Combustion Engine Powered Equipment. (**2**) Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

Table IV – 2	
	(**3**) Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity. (**4**) Exceptions. (a) Section E(2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system. (b) Section E(2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods: (i) Engines that are idled continuously when not in service: 30 minutes. (ii) All other engines: 15 minutes. (c) Section E(2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics." B. Control of Sulfur Oxides **A**. Sulfur Content Limitations for Fuel. "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitations: (**1**) In Areas I, II, V, and VI: (**c**) Distillate fuel oils, 0.3 percent." Note: Installations subject to 40 CFR Part 60, Subpart IIII must comply with the fuel standards of §60.4207 which limit the maximum sulfur content of the fuel to 15 ppm beginning October 1, 2010. C. Control of Nitrogen Oxides **COMAR 26.11.09.08G**. - Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 Percent or Less, and Combustion Turbines with a Capacity Factor Greater than 15 Percent. "(1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall: (a) Provide certification of the capacity factor of the equipment to the Department in writing; (b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually; (c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request; (d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on

Table IV – 2	
	combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and (e) Maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request." D. Operational Limitation For **EU-3 & EU-4**: two (2) Alban/Caterpillar emergency diesel generators. **[MDE Reg. No. 19-9-0018 & 19-9-0019]** The Permittee shall not operate the generators more than a combined total of 1000 hours per year unless prior Departmental approval is obtained. **[Reference: COMAR 26.11.03.06(C)]** For **EU-17**: one (1) Cummins/Onan emergency diesel generator. **[MDE Reg. No. 19-9-0015 N]** The Permittee shall not operate the emergency generator more than 500 hours per year unless prior Departmental approval is obtained. **[Reference: MDE Permit to Construct 19-9-0015 N issued April 27, 1998]** For **EU-18**: one (1) 1,220 Hp emergency diesel generator. **[MDE Reg. No. 039-0055 9-0056]** 1. **New Source Performance Standards (NSPS) under 40 CFR Part 60 Subpart IIII for Stationary Compression Ignition Internal Combustion Engines**. – [40 CFR, Part 60, Subpart IIII] All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) under 40 CFR Part 60 Subpart IIII for Stationary Compression Ignition Internal Combustion Engines, The Permittee must operate and maintain an NSPS emergency diesel generator and control devices according to the manufacturer's written instructions or according to procedures developed by the owner or operator that are approved by the manufacturer. Additionally, the Permittee may change only those settings that are permitted by the manufacturer. The Permittee must also meet the requirements of 40 CFR part 89, part 1039 for model year 2011 or later, part 94 and/or part 1068, as they may apply to an owner or operator **[Reference: §60.4211]**

Table IV – 2	
	Beginning October 1, 2010, owners and operators (the Permittee) of a stationary source CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. **[Reference: §60.4207]** In accordance with 40 CFR §60.4211(e), non-emergency use of each NSPS emergency diesel generator for the purpose of maintenance checks and readiness testing is limited to 100 hours per year or less unless prior approval is received from the Department. 2. **National Emissions Standards for Hazardous Air Pollutants (NESHAP) promulgated under 40 CFR 63, Subparts A and ZZZZ for Reciprocating Internal Combustion Engines**. – [40 CFR, Part 63, Subpart ZZZZ] All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) promulgated under 40 CFR 63, Subparts A and ZZZZ for Reciprocating Internal Combustion Engines. The Permittee shall meet the requirements of 40 CFR, Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR, Part 60, Subpart IIII for the emergency generator. No further requirements apply to the emergency generator under 40 CFR, Part 63, Subpart ZZZZ. **[Reference: 40 CFR §63.6590(c)(1)]**
2.2	**Testing Requirements:** A. Control of Visible Emissions See Monitoring Requirements. B. Control of Sulfur Oxides See Monitoring Requirements. C. Control of Nitrogen Oxides The Permittee shall perform a combustion analysis and optimize combustion at least once annually when the fuel-burning equipment operates for more than 500 hours in a calendar year. **[Reference: COMAR 26.11.09.08G(1)(b)]**

Table IV – 2	
	D. Operational Limitations See Monitoring Requirements. For **EU-18:** one (1) 1,220 hp emergency diesel generator **[MDE Reg. No. 039-0055-9-0056]** 1. **NSPS:** See Record keeping requirements. 2. **NESHAP:** See Record keeping requirements.
2.3	**Monitoring Requirements:** A. Control of Visible Emissions The Permittee shall perform preventive maintenance to optimize combustion performance. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall obtain a certification from the fuel supplier indicating that the fuel oil is in compliance with the limitation on the sulfur content of the fuel oil or obtain sulfur in fuel analyses of oil that is representative of the oil burned. **[Reference: COMAR 26.11.03.06C]** C. Control of Nitrogen Oxides See Record Keeping Requirements. D. Operational Limitations For **EU-3 & EU-4**: two (2) Alban/Caterpillar emergency diesel generators [**MDE Reg. No. 19-9-0018 & 19-9-0019]** The Permittee shall calculate the rolling12-month total operating hours of each unit for within 30 days after the end of each month. **[Reference: COMAR 26.11.03.06C]** For **EU-17**: one (1) Cummins/Onan emergency diesel generator. **[MDE Reg. No. 19-9-0015N]** The Permittee shall calculate the rolling12-month total operating hours of each unit for within 30 days after the end of each month. **[Reference: COMAR 26.11.03.06C]** For **EU-18:** one (1) 1,220 hp emergency diesel generator **[MDE Reg. No. 039-0055-9-0056]** 1. **NSPS:** See Record keeping requirements.

Table IV – 2	
	2. **NESHAP:** "By May 3, 2013, the Permittee shall comply with the following operating and monitoring requirements: (a) Change oil and filter every 500 hours of operation or annually, whichever comes first (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. **[Reference: 40 CFR §63.6603(a), §63.6625(h), and Table 2d to 40 CFR 63, Subpart ZZZZ]**
2.4	**Record Keeping Requirements:** Note: All records must be maintained for a period of at least 5 years and be made available to the Department upon request. **[Reference: COMAR 26.11.03.06C(5)(g)]** A. Control of Visible Emissions The Permittee shall maintain the following: (1) an operation manual and prevention maintenance plan; and (2) a record of the maintenance performed that relates to combustion performance. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall maintain records of fuel supplier's certification or sulfur fuel analyses. **[Reference: COMAR 26.11.09.07C]** C. Control of Nitrogen Oxides The Permittee shall: 1. Maintain the results of the combustion analysis performed when the hours of operation exceed 500 hours. **[Reference: COMAR 26.11.09.08G(1)(c)]** 2. Retain records of training program attendance for each operator. **[Reference: COMAR 26.11.09.08G(1)(e)]** D. Operational Limitations For **EU-3 & EU-4**: two (2) Alban/Caterpillar emergency diesel generators [**MDE Reg. No. 19-9-0018 & 19-9-0019]** 1. The Permittee shall retain records of fuel usage and hours of operation on site. **[Reference: MDE Permit to Construct 19-9-0015 N issued April 27, 1998]**

Table IV – 2	
	2. The Permittee shall maintain a record of rolling 12-month total generator operating hours. The Permittee shall make these records available to the Department upon request. **[Reference: COMAR 26.11.03.06C]** For **EU-17**: one (1) Cummins/Onan emergency diesel generator. **[MDE Reg. No. 19-9-0015N]** 1. The Permittee shall retain records of fuel usage and hours of operation on site. **[Reference: MDE Permit to Construct 19-9-0015 N April 27, 1998]** 2. The Permittee shall maintain a record of rolling 12-month total generator operating hours. The Permittee shall make these records available to the Department upon request. **[Reference: COMAR 26.11.03.06C]** For **EU-18:** one (1) 1,220 hp emergency diesel generator **[MDE Reg. No. 039-0055-9-0056]** 1. **NSPS:** i. The Permittee shall maintain on site for the life of the source the following records for the emergency diesel generator(s): a. Documentation of the manufacture date of the diesel engine, if manufactured prior to April 1, 2006, and the manufacturer model year of the diesel engine; b. The installation date of each emergency diesel generator; and c. The certifications of compliance or manufacturer engine test data required by 40 CFR §60.4211 and §60.4214(b). ii. For any NSPS emergency diesel generator the Permittee shall for each fuel delivery obtain from the fuel supplier a fuel supplier certification consisting of the name of the oil supplier, the date of delivery, the amount of fuel delivered, and a statement from the fuel supplier that the diesel fuel oil complies with the specifications of 40 CFR §80.510. The Permittee shall maintain the required records on site for at least five (5) years. 2. **NESHAP:** In accordance with § 63.6655(a), “if you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

Table IV – 2	
	(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in § 63.10(b)(2)(xiv). (2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. (3) Records of performance tests and performance evaluations as required in § 63.10(b)(2)(viii). (4) Records of all required maintenance performed on the air pollution control and monitoring equipment. (5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. **[Reference: 40 CFR §63.6655(a), (b), (d) and 40 CFR 63, Subpart ZZZZ]**
2.5	**Reporting Requirements:** A. Control of Visible Emissions The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations." **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides **COMAR 26.11.09.07C –** Request for Sulfur Analyses "Any person responsible for equipment in which fuel or process gas is burned, upon request, shall submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation." C. Control of Nitrogen Oxides The Permittee shall submit a record of the training program attendance for each operator to the Department upon request. **[Reference: COMAR 26.11.09.08G(1)(e)]** The Permittee shall provide certification of the capacity factor of the equipment to the Department in writing as part of the Annual Certification report. **[Reference: COMAR 26.11.09.08G(1)(a) & COMAR 26.11.03.06C]**

Table IV – 2	
	D. Operational Limitations See Record Keeping Requirements. For **EU-18:** one (1) 1,220 hp emergency diesel generator **[MDE Reg. No. 039-0055-9-0056]** 1. **NSPS:** See Record Keeping Requirements. 2. **NESHAP:** The Permittee must submit report semiannually according to the requirements in § 63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to numerical emission limitations. **[Reference: 40 CFR §63.6603(a), and Table 2d to 40 CFR 63, Subpart ZZZZ]**

Table IV – 3	
3.0	**Emissions Unit Number(s): EU-10 thru EU-16: Small Water heating Boilers & Furnaces** **EU-10, EU-11, EU-12, & EU-13**: Four (4) natural gas-fired hot water boilers, each rated at 1.64 MMBtu/hr. **[MDE Reg. Nos. 039-0055-5-0003 thru 5-0006].** (PTC issued March 30, 2021, for modification) **EU-14, EU-15 & EU-16**: Three (3) natural gas-fired hot water boilers, each rated at 1.5 MMBtu/hr. **[MDE Reg. Nos.039-0055- 5-0023 thru 5-0025].** (PTC issued March 30, 2021) Two (2) Weather-Rite natural gas fired furnaces, each rated at 2.30 MMBtu/hr. **[MDE Reg. Nos.039-0055- 5-0026 & 5-0027].** (PTC issued March 30, 2021)
3.1	**Applicable Standards/Limits :** A. Control of Visible Emissions **COMAR 26.11.09.05** – Visible Emissions **A**. Fuel Burning Equipment. "(**1**) Areas I, II, V, and VI. In Areas I, II, V, and VI, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is greater than 20 percent opacity.

Table IV – 3	
	(**3**) Exceptions. Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if: (a) The visible emissions are not greater than 40 percent opacity; and (b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period." B. Control of Nitrogen Oxides **COMAR 26.11.09.08B(5**) - Operator Training. "(**a**) For purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation. (**b**) The operator training course sponsored by the Department shall include an in-house training course that is approved by the Department." **COMAR 26.11.09.08E**. - Requirements for Fuel-Burning Equipment with a Rated Heat Input Capacity of 100 Million Btu Per Hour or Less. "A person who owns or operates fuel-burning equipment with a rated heat input capacity of 100 Million Btu per hour or less shall: (1) Submit to the Department an identification of each affected installation, the rated heat input capacity of each installation, and the type of fuel burned in each; (2) Perform a combustion analysis for each installation at least once each year and optimize combustion based on the analysis; (3) Maintain the results of the combustion analysis at the site for at least 2 years and make this data available to the Department and the EPA upon request; (4) Once every 3 years, require each operator of the installation to attend operator training programs on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and (5) Prepare and maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request." C. Operational Limitation The Permittee shall only burn natural gas unless the Permittee applies for and receives an approval or permit from the Department to burn alternate fuels. **[Reference: COMAR 26.11.02.09A(6)]**.
3.2	**Testing Requirements:** A. Control of Visible Emissions

Table IV – 3	
	See Monitoring Requirements. B. Control of Nitrogen Oxides See Monitoring Requirements. C. Operational Limitations See Record Keeping Requirements.
3.3	**Monitoring Requirements:** A. Control of Visible Emissions The Permittee shall properly operate and maintain the boilers and furnaces in a manner to prevent visible emissions. **[Reference: COMAR 26.11.03.06C]** B. Control of Nitrogen Oxides The Permittee shall maintain an operating and maintenance plan to minimize NO_X emissions based on the combustion analysis. **[Reference: COMAR 26.11.03.06C]** C. Operational Limitations See Record Keeping Requirements.
3.4	**Record Keeping Requirements:** Note : All records must be maintained for a period of at least 5 years and be made available to the Department upon request. **[Reference : COMAR 26.11.03.06C(5)(g)]** A. Control of Visible Emissions The Permittee shall maintain an operations manual and preventative maintenance plan and records of maintenance performed that relates to combustion performance. **[Reference: COMAR 26.11.03.06C]** B. Control of Nitrogen Oxides The Permittee shall maintain the following: (1) the results of the combustion analysis; and (2) a record of training program attendance for each operator at the site and make these records available to the Department upon request. **[Reference: COMAR 26.11.09.08E(3&5)]** C. Operational Limitations The Permittee shall maintain records of fuel use and make available to the Department upon request. **[Reference: COMAR 26.11.03.06C]**

Table IV – 3	
3.5	**Reporting Requirements:** A. Control of Visible Emissions The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations." **[Reference: COMAR 26.11.03.06C]** B. Control of Nitrogen Oxides See Record Keeping Requirements. C. Operational Limitations See Record Keeping Requirements.

Table IV–4	
4.0	**Emissions Unit Number(s): EU-5, EU-6 & EU-7: Paint Spray Booths w/HVLP spray guns** **EU-5 & EU-6**: Two (2) spray paint booths equipped with high volume low pressure (HVLP) spray guns used to refinish metal furniture. **[MDE Reg. No. 19-6-0008 & 19-6-0009]** **EU-7**: One (1) spray paint booth equipped with high volume low pressure (HVLP) spray gun used to refinish wood furniture. **[MDE Reg. No. 19-6-0010]**
4.1	**Applicable Standards/Limits:** A. Control of Visible Emissions **COMAR 26.11.06.02C(1)** – Visible Emissions from Process Equipment. "In Areas I, II, V, and VI a person may not cause or permit the discharge of emissions from any installation or building, other than water in an uncombined form, which is greater than 20 percent opacity." **COMAR 26.11.06.02A(2)** – General Exceptions. "The visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modification or adjustments, or occasional cleaning of control equipment, if: 1. The visible emissions are not greater than 40 percent opacity; and

Table IV–4

2. The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

B. Control of Particulate Matter
COMAR 26.11.06.03B(1)(a) – Particulate Matter from Confined Sources in Areas I, II, V and VI.
"A person may not cause or permit particulate matter to be discharged from any installation constructed on or after January 17, 1972, in excess of 0.05 gr/SCFD."

C. Control of VOC Emissions
For EU-5 & EU-6: MDE Reg. No. 19-6-0008 & 19-6-0009:
COMAR 26.11.19.08D(1) – Metal Parts and Products Coating.
A person subject to this regulation may not exceed the applicable VOC emission standards (expressed in terms of mass of VOC per volume of coating excluding water and exempt compounds, as applied) of the following table when applying a metal furniture coating:

Coating Type	Baked		Air-Dried	
	Lbs./gal	Kg/l	Lbs./gal	Kg/l
General, one-component	2.3	0.275	2.3	0.275
General, multi-component	2.3	0.275	2.8	0.340
Extreme performance	3.0	0.360	3.5	0.420
Metallic	3.5	0.420	3.5	0.420
Pretreatment	3.5	0.420	3.5	0.420
Solar absorbent	3.0	0.360	3.5	0.420
Extreme high gloss	3.0	0.360	2.8	0.340

4.2 **Testing Requirements:**

A. Control of Visible Emissions
See the Monitoring Requirements.

B. Control of Particulate Matter
See the Monitoring Requirements.

C. Control of VOC Emissions
See the Monitoring Requirements.

Table IV–4	
4.3	**Monitoring Requirements:** A. Control of Visible Emissions The Permittee shall conduct a monthly one-minute visual observation of the spray booth exhaust. The visual observation must be conducted while the booth is in operation. If visible emissions are observed during any visual observation, the Permittee must increase the schedule of exhaust observation to a weekly and maintain that schedule until no visible emissions are observed in six consecutive monthly visual observations. If visible emissions are observed during any observation, the Permittee must inspect the booth for cause of visible emissions and perform necessary adjustments or repairs within 24-hours or prior to operating the spray booth. If visible emissions have not been eliminated, the Permittee shall perform daily 18-minute visual observation for opacity in accordance with EPA Reference Method 9 when operating the spray booth. **[Reference: COMAR 26.11.03.06(C)]** B. Control of Particulate Matter The Permittee shall continue to implement the existing preventative maintenance plan for the spray booth that describes the maintenance activity and time schedule for completing each activity. The Permittee shall perform maintenance activities within the timeframes established in the plan and shall maintain a log with records of the dates that maintenance was performed. **[Reference: COMAR 26.11.03.06C]** C. Control of VOC Emissions **For EU-5 & EU-6:** MDE Reg. No. 19-6-0008 and 19-6-0009: The Permittee shall check MSD Sheets to ensure that the VOC content of coatings is less than the applicable standard. The MSD Sheet shall contain VOC data that is based on EPA Method 24 or equivalent. **[Reference: COMAR 26.11.19.02F]**
4.4	**Record Keeping Requirements:** Note**:** All records must be maintained for a period of at least 5 years and be made available to the Department upon request. **[Reference: COMAR 26.11.03.06C(5)(g)]** A. Control of Visible Emissions The Permittee shall keep records of Visible Emission observations. **[Reference: COMAR 26.11.03.06C]**

Table IV–4	
	B. Control of Particulate Matter The Permittee shall maintain a log with records of the dates that maintenance activities designed to minimize air emissions were performed. **[Reference: COMAR 26.11.03.06(C)]** C. Control of VOC Emissions **For EU-5 & EU-6:** MDE Reg. No. 19-6-0008 and 19-6-0009: The Permittee shall retain records of material usage and VOC content of coatings. **[Reference: COMAR 26.11.03.06C]**
4.5	**Reporting Requirements:** A. Control of Visible Emissions The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations." B. Control of Particulate Matter See the Record Keeping Requirements. C. Control of VOC Emissions The Permittee shall report material usage and VOC content of coatings in the annual Emission Certification Report. **[Reference: COMAR 26.11.03.06C]**

Table IV – 5	
5.0	**Emissions Unit Number(s): EU-8 & EU-9: Blasting** **EU-8**: One (1) John R. Wald Co. Steel Shot Blasting machine equipped with cartridge type filters to remove rust and old paint from frames and metal parts of furniture. **[MDE Reg. No. 19-9-0002 N]** **EU-9**: One (1) John R. Wald Co. Steel Grit Blasting room, equipped with cartridge type dust collector to remove rust and old paint form the frames and metal parts of used furniture [**MDE Reg. No. 19-9-0003 N]**
5.1	**Applicable Standards/Limits :**

Table IV – 5	
	A. Control of Visible Emissions **COMAR 26.11.06.02C(1)** – Visible Emissions from Process Equipment. "In Areas I, II, V, and VI a person may not cause or permit the discharge of emissions from any installation or building, other than water in an uncombined form, which is greater than 20 percent opacity." **COMAR 26.11.06.02A(2) –** General Exceptions. "The visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modification or adjustments, or occasional cleaning of control equipment, if: 1. The visible emissions are not greater than 40 percent opacity; and 2. The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period." B. Control of Particulate Matter **COMAR 26.11.06.03B(1)(a)** – Particulate Matter from Confined Sources in Areas I, II, V and VI. "A person may not cause or permit particulate matter to be discharged from any installation constructed on or after January 17, 1972, in excess of 0.05 gr/SCFD."
5.2	**Testing Requirements:** A. Control of Visible Emissions See the Monitoring Requirements. B. Control of Particulate Matter See the Monitoring Requirements.
5.3	**Monitoring Requirements:** A. Control of Visible Emissions The Permittee shall conduct a monthly one-minute visual observation of each blaster exhaust. The visual observations must be conducted while the blasting booth is in operation. If visible emissions are observed during any visual observation, the Permittee must increase the schedule of exhaust observation to a weekly and maintain that schedule until no visible emissions are observed in six consecutive monthly visual observations. If visible emissions are observed during any observation, the Permittee must inspect the blaster for cause of visible emissions and perform necessary adjustments or repairs within 24-hours or prior to operating the blasting booth again. If visible emissions have not been

Table IV – 5	
	eliminated, the Permittee shall perform daily 18-minute visual observation for opacity in accordance with EPA Reference Method 9 when operating the blasting booth. **[Reference: COMAR 26.11.03.06C]** B. Control of Particulate Matter The Permittee shall maintain a preventative maintenance plan for the blast booths and filters that describes the maintenance activity and time schedule for completing each activity. The Permittee shall perform maintenance activities within the timeframes established in the plan. **[Reference: COMAR 26.11.03.06C]**
5.4	**Record Keeping Requirements:** Note: All records must be maintained for a period of at least 5 years and be made available to the Department upon request. **[Reference: COMAR 26.11.03.06C(5)(g)]** A. Control of Visible Emissions The Permittee shall maintain a log of visible emission observations performed. **[Reference: COMAR 26.11.03.06C]** B. Control of Particulate Matter The Permittee shall maintain a log with records of the dates that maintenance activities designed to minimize air emissions were performed. **[Reference: COMAR 26.11.03.06C]**
5.5	**Reporting Requirements:** A. Control of Visible Emissions The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations". **[Reference: COMAR 26.11.03.06C]** B. Control of Particulate Matter See the Record Keeping Requirements.

Table IV – 6	
6.0	**Emissions Unit Number(s): EU-20** **EU-20**: One (1) 10,000 gallons Underground Gasoline Storage Tank **[MDE Reg. No. 9-0028]**
6.1	**Applicable Standards/Limits :** Control of VOC Emissions **COMAR 26.11.13.04C(2)** – Small Storage Tanks – Stage I Recovery. "An owner or operator of a gasoline tank truck or an owner or operator of a stationary storage tank subject to this regulation may not cause or permit gasoline to be loaded into a stationary tank unless the loading system is equipped with a vapor balance line that is properly installed, maintained and used." **COMAR 26.11.13.04D –** Small Storage Tanks – General Standards. "A person may not cause or permit gasoline or VOC having a TVP greater than 1.5 psia or greater be loaded into any tank truck, railroad tank car, or other contrivance unless: 1. Loading connections on the vapor lines are equipped with fittings that have no leaks and that automatically and immediately close upon disconnection to prevent release of gasoline or VOC from these fittings; and 2. The equipment is maintained and operated in a manner to prevent avoidable liquid leaks during loading or unloading operations."
6.2	**Testing Requirements:** Control of VOC Emissions See the Monitoring Requirements.
6.3	**Monitoring Requirements:** Control of VOC Emissions The Permittee shall monitor a fuel drop at least once for every 10 fuel deliveries that are received to verify that: 1. The Stage 1 vapor balance system is used. 2. No liquid spills occur; and 3. The hose fittings and connections are operating properly and do not leak. If leaks are detected, corrective action shall be as follows:

Table IV – 6	
	1. Take immediate action to repair all observed VOC leaks that can be repaired with 48 hours; and 2. Repair all other leaking components not later than 15 days after the leak is discovered. If a replacement part is needed, the part shall be ordered within 3 days after discovery of the leak, and the leak shall be repaired within 48 hours after receiving the part. **[Reference: COMAR 26.11.03.06C]**
6.4	**Record Keeping Requirements:** Note: All records must be maintained for a period of at least 5 years and be made available to the Department upon request. **[Reference: COMAR 26.11.03.06C(5)(g)]** Control of VOC Emissions The Permittee shall maintain records of fuel drop monitoring results and corrective actions. **[Reference: COMAR 26.11.03.06C]**
6.5	**Reporting Requirements:** Control of VOC Emissions See the Record Keeping Requirements.

SECTION V INSIGNIFICANT ACTIVITIES

This section provides a list of insignificant emissions units that were reported in the Title V permit application. The applicable Clean Air Act requirements, if any, are listed below the insignificant activity.

(1) No. 6 Fuel burning equipment using gaseous fuels or no. 1 or no. 2 fuel oil, and having a heat input less than 1,000,000 Btu (1.06 gigajoules) per hour;

The *affected fuel burning units* are subject to the following requirements:

COMAR 26.11.09.05A(1), which establishes that the Permittee may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is greater than 20 percent opacity.

Exceptions: COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments or occasional cleaning of control equipment if:

(a) The visible emissions are not greater than 40 percent opacity; and

(b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period.

COMAR 26.11.09.06A(2), which establishes that the Permittee may not cause or permit particulate matter caused by the combustion of solid fuel or residual oil in any fuel burning equipment erected on or after January 17, 1972, to be discharged into the atmosphere in excess of the amounts shown in Figure 2.

COMAR 26.11.09.07A(1)(c), which establishes that the Permittee may not burn, sell, or make available for sale any distillate fuel with a sulfur content by weight in excess of 0.3 percent.

(2) No. 1 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts) and which are not used to generate electricity for sale or for peak or load shaving;

The one (1) small mobile emergency diesel power generator (80 kW) serving the well house #6 (EU19) is subject to the following requirements:

(A) COMAR 26.11.09.05E(2), Emissions During Idle Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

(B) COMAR 26.11.09.05E(3), Emissions During Operating Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(C) Exceptions:

(i) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(ii) COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
(a) Engines that are idled continuously when not in service: 30 minutes
(b) all other engines: 15 minutes.

(iii) COMAR 26.11.09.05E(2) & (3) do not apply while maintenance, repair or testing is being performed by qualified mechanics.

(3) ✓ Space heaters utilizing direct heat transfer and used solely for comfort heat;

(4) ✓ Equipment for washing or drying products fabricated from metal or glass, provided that no VOC is used in the process and that no oil or solid fuel is burned;

(5) Containers, reservoirs, or tanks used exclusively for:

(a) ✓ Storage of butane, propane, or liquefied petroleum, or natural gas;

(b) No. 1 Storage of lubricating oils;

(c) No. 1 Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel;

(d) No. 1 The storage of VOC normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings and having individual capacities of 2,000 gallons (7.6 cubic meters) or less;

SECTION VI STATE-ONLY ENFORCEABLE CONDITIONS

The Permittee is subject to the following State-only enforceable requirements:

1. Applicable Regulations:

   COMAR 26.11.06.08 - Nuisance**.**
   "An installation or premises may not be operated or maintained in such a manner that a nuisance or air pollution is created. Nothing in this regulation relating to the control of emissions may in any manner be construed as authorizing or permitting the creation of, or maintenance of, nuisance or air pollution."

   COMAR 26.11.06.09 - Odors**.**
   "A person may not cause or permit the discharge into the atmosphere of gases, vapors, or odors beyond the property line in such a manner that a nuisance or air pollution is created."

   COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T – BACT) to control emissions of toxic air pollutants.

   COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.

2. Operating Conditions:
   For EU-5, EU-6 & EU-7: (MDE Reg. No. 19-6-0008, 19-6-0009, and 19-6-0010):
   The Permittee shall use a high-volume low pressure (HVLP) spray gun and a solvent recycling gun washer. If paints are mixed at the site, a paint mixer is required. **[Reference: MDE Permit to Construct 19-6-0008, 19-6-0009, and 19-6-0010]**

3. Record Keeping and Reporting:

   The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. The analysis shall include either:

   (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or

(b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.

EASTERN CORRECTIONAL INSTITUTION
30420 REVELLS NECK ROAD
WESTOVER, MARYLAND 21871
PART 70 OPERATING PERMIT NO. 24-039-0055
FACT SHEET DRAFT 2021

BACKGROUND

Eastern Correctional Institution (ECI) is a State of Maryland adult male prison, housing approximately 3,300 inmates, located at 30420 Revells Neck Road in Westover Maryland. The facility encompasses 300 acres in Somerset County. The Institution is separated into three sections: East and West sides are medium security installations, and the Annex is a minimum-security facility. Electricity and steam for the daily operation of the Institution are provided by the co-generation facility consisting of two (2) natural-fired boilers, four (4) emergency diesel generators and a water/wastewater plant. Also, the Annex operates seven (7) small boilers for space heaters and two (2) furnaces in the MCE building. Maryland Correctional Enterprises (MCE) operates a furniture restoration shop with three (3) paint spray booths and two (2) steel grit blasting booths, a print and textile shop. The SIC code for the ECI complex is 9223.

EU-18: the 1,220 hp emergency diesel-fired generator serving the wastewater treatment plant is subject to 40 CFR, Subparts 60 and 63. However there are no emission limits for this unit under Subpart IIII. The Permittee shall meet the requirements of 40 CFR, Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR, Part 60, Subpart IIII for the emergency generator. No further requirements apply to the emergency generator under 40 CFR, Part 63, Subpart ZZZZ.

Changes since the last Title V Permit

This Part 70 Operating Permit is a renewal permit for ECI. In 2021 previously unavailable natural gas was made available to the facility. Permit to Construct was issued to ECI to retrofit the following equipment:

- two (2) Cleaver Brooks (**039-0055-3-0010 & 3-0011**) at the power plant to switch from woodchips and No. 2 fuel oil to burn natural gas and No. 2 fuel oil;
- four (4) propane-fired hot water boilers (**039-0055-5-0003 thru 0006**) to burn natural gas only;
- replace the existing three (3) propane fired 1.16 MMBtu/hr. boilers (5-0007 thru 5-0009) with three (3) new natural gas fired boilers rated 1.5 MMBtu/hr. each (**039-0055-5-0023 thru 5-0025); and**
- convert two (2) existing 2.30 MMBtu/hr. propane fired furnaces to burn natural gas only (**039-0055-5-0026 & 5-0027**). The two (2) furnaces are existing fuel burning emission units that were not previously permitted. An after the fact permit-to-construct (PTC) for these two (2) furnaces.

The following table summarizes the actual emissions from ECI based on its Annual Emission Certification Reports:

Table 1: Actual Emissions

Year	NO_X (TPY)	SO_X (TPY)	PM_{10} (TPY)	CO (TPY)	VOC (TPY)	Total HAP (TPY)
2018	16.19	2.44	6.25	13.61	2.51	0.76
2017	17.90	2.46	6.42	12.81	2.43	0.85
2016	22.45	0.12	6.58	11.07	2.10	0.66
2015	17.45	0.15	6.59	11.58	2.35	0.60
2014	6.31	0.21	6.25	6.79	1.02	0.49

Somerset County is located in Area VI and is classified as in attainment for all pollutants, but it lies in the ozone transport region. The major source threshold for triggering Title V permitting requirements in Somerset County is 50 tons per year for VOC, 100 tons per year for any other criteria pollutants and 10 tons for a single HAP or 25 tons per year for total HAPS. Since the potential, NO_X and CO emissions from the facility are greater than the major source threshold, Eastern Correctional Institution is required to obtain a Title V – Part 70 Operating Permit under COMAR 26.11.03.01.

Federal Requirements

40 CFR Part 60 Subpart Dc—Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units – Per 40 CFR §60.40c, NSPS Dc applies to steam generating units for which construction, modification, or reconstruction is commenced after June 9, 1989.

- The two (2) Cleaver Brooks boilers (**039-0055-3-0010 & 3-0011**) at the power plant were installed in September 1986. Therefore, these two units are not subject to the requirements of this rule as they are considered grandfathered for the requirements of this rule. Additionally, the retrofitted project does not meet the definition (per 40 CFR §60.2) of modification or reconstruction. Therefore, the two (2) boilers are not subject to the requirements of this rule, even after the completion of the retrofit.
- The seven (7) hot water heaters and the two (2) furnaces are less than 10 MMBtu/hr. and not subject to Dc requirements.

40 CFR Part 63 Subpart JJJJJJ—National Emissions Standards for Hazardous Air Pollutants for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Source – Per 40 CFR §63.11193, the two (2) boilers (**039-0055-3-0010 & 3-0011**) at the power plant, seven (7) small boilers at Annex Building (**039-0055-5-0003 thru 0006 & 039-0055-5-0023 thru 5-0025**), and two (2) new furnaces (**039-0055-5-0026 & 5-0027)** at MCE Building are subject to this subpart as they are considered institutional boilers by definition. However,

per *40 CFR §63.11195(e)*, gas fired boilers are exempt from the requirements of this subpart. After completion of the retrofit project, the two (2) Cleaver Brooks boilers will primarily operate on natural gas and operate on No.2 oil only during periods of natural gas curtailment and all other emission units will operate only on natural gas. Therefore, all these emission units are exempt from the requirements of this subpart as long as No. 2 oil is only used as a back-up fuel.

COMPLIANCE ASSURANCE MONITORING

ECI conducted a Compliance Assurance Monitoring (CAM) analysis for the facility and determined that the facility is not subject to the (CAM) Rule 40 CFR Subpart 64.

CAM is intended to provide a reasonable assurance of compliance with applicable requirements under the Clean Air Act for large emission units that rely on air pollution control (APC) equipment to achieve compliance. The CAM approach establishes monitoring for the purpose of: (1) documenting continued operation of the control measures within ranges of specified indicators of performance (such as emissions, control device parameters, and process parameters) that are designed to provide a reasonable assurance of compliance with applicable requirements; (2) indicating any excursions from these ranges; and (3) responding to the data so that the cause or causes of the excursions are corrected. In order for a unit to be subject to CAM, the unit must be located at a major source, be subject to an emission limitation or standard, use a control device to achieve compliance, have post-control emissions of at least 100% of the major source amount (for initial CAM submittals), and must not otherwise be exempt from CAM. Applicability determinations are made on a pollutant-by-pollutant basis for each emission unit.

ECI is a major source and sources located at the site are subject to limitations on the emissions of particulates, sulfur oxides, nitrogen oxides, and VOCs. No control devices are employed to control sulfur oxides, nitrogen oxides, or VOCs. The boilers employ a control device for particulate emissions; uncontrolled potential emissions of particulate from this source are not major. The spray booths employ filters to control particulate emissions; uncontrolled potential emissions of particulate from this source are not major. Therefore, CAM does not apply to the Eastern Correctional Institution.

GREENHOUSE GAS (GHG) EMISSIONS

There is no greenhouse gas related Clean Air Act requirements applicable to Eastern Correctional Institution. ECI has not triggered Prevention of Significant Deterioration (PSD) requirements for GHG emissions.

Eastern Correctional Institution emits the following greenhouse gases (GHGs) related to Clean Air Act requirements: carbon dioxide. These GHGs originate from various processes (i.e., fuel burning, and waste decomposition at the wastewater treatment plant) contained within the facility premises applicable to ECI. The facility has not triggered PSD requirements for GHG emissions; and therefore, there are no applicable GHG Clean Air Act requirements. The Permittee shall quantify facility wide GHG emissions and report them in accordance with Section 3 of the Part 70 permit.

The following table summarizes the actual emissions from ECI based on its Annual Emission Certification Reports:

Table 2: Greenhouse Gases Emissions Summary

GHG	Conversion factor	2016 tpy CO_2e	2017 tpy CO_2e	2018 tpy CO_2e
Carbon dioxide CO_2	1	78,438.62	86,372.16	86,442.78
Methane CH_4	25	1.49	1.79	1.64
Nitrous Oxide N_2O	298	0.16	0.16	0.168
Total GHG CO_{2eq}		**78,444.26**	**86,374.12**	**86,444.59**

EMISSION UNIT IDENTIFICATION

ECI has identified the following emission units as being subject to Title V permitting requirements and having applicable requirements.

Table 3: Emission Unit Identification

Emissions Unit Number	MDE - ARA Registration Number	Emissions Unit Name and Description	Date of Installation
NATURAL GAS-FIRED BOILERS			
EU-1 & EU-2	039-0055-3-0010 & 3-0011	Two (2) Cleaver Brooks natural gas-fired boilers, each rated at 37.8 MMBtu/hr. (with No.2 fuel oil as back-up) located in the Power Plant	Modified 2021; September 1986.
EU-10, EU-11, EU-12 & EU-13	039-0055-5-0003 thru 5-0006	Four (4) Peerless, natural gas fired hot water boilers, each rated at 1.64 MMBtu/hr. located in the Annex	Modified 2021; July 1993

EU-14, EU-15, & EU-16	039-0055-5-0023 thru 5-0025	Three (3) Laars natural gas-fired hot water boilers, each rated at 1.5 MMBtu/hr. located in the Annex	2021
	039-0055-5-0026 & 5-0027	Two (2) Weather-Rite natural gas fired furnaces, each rated at 2.30 MMBtu/hr. Located in the MCE Building.	2021
EMERGENCY GENERATORS			
EU-3 & EU-4	9-0018 & 9-0019	Two (2) Alban/Caterpillar Drive (Model CAT 3512) emergency diesel-fired generators, each rated at 1,025 kW.	January 1987
EU-17	19-9-0015 N	One (1) Cummins/Onan Model 1000 DFJD emergency diesel generator rated at 1000 kW located at the Wastewater treatment plant.	July 1997
EU-18	039-0055-9-0056	One (1) Cummins Model 750DQCB emergency diesel generator rated at 1220 hp located at the Wastewater treatment plant	February 2012
SPRAY BOOTHS			
EU-5, EU-6 & EU-7	6-0008, 6-0009 & 6-0010	Three (3) John R. Wald Co. (Model 10-12 SB) Spray booths equipped with high volume low pressure (HVLP) spray guns.	April 1991
EU-8	19-9-0002 N	One (1) John R. Wald Co. Steel Shot Blasting machine equipped with cartridge type filters to remove rust and old paint from frames and metal parts of furniture.	March 1991
EU-9	19-9-0003 N	One (1) John R. Wald Co. Steel Grit Blasting room, equipped with cartridge type dust collector to remove rust and old paint form the frames and metal parts of used furniture.	April 1991
STORAGE TANK			
EU-20	9-0028	10,000-gallon Underground Gas tank	November 2001

AN OVERVIEW OF THE PART 70 PERMIT

The Fact Sheet is an informational document. If there are any discrepancies between the Fact Sheet and the Part 70 permit, the Part 70 permit is the enforceable document.

Section I of the Part 70 Permit contains a brief description of the facility and an inventory list of the emissions units for which applicable requirements are identified in Section IV of the permit.

Section II of the Part 70 Permit contains the general requirements that relate to administrative permit actions. This section includes the procedures for renewing, amending, reopening, and transferring permits, the relationship to permits to construct and approvals, and the general duty to provide information and to comply with all applicable requirements.

Section III of the Part 70 Permit contains the general requirements for testing, record keeping and reporting; and requirements that affect the facility as a whole, such as open burning, air pollution episodes, particulate matter from construction and demolition activities, asbestos provisions, ozone depleting substance provisions, general conformity, and acid rain permit. This section includes the requirement to report excess emissions and deviations, to submit an annual emissions certification report and an annual compliance certification report, and results of sampling and testing.

Section IV of the Part 70 Permit identifies the emissions standards, emissions limitations, operational limitations, and work practices applicable to each emissions unit located at the facility. For each standard, limitation, and work practice, the permit identifies the basis upon which the Permittee will demonstrate compliance. The basis will include testing, monitoring, record keeping, and reporting requirements. The demonstration may include one or more of these methods.

Section V of the Part 70 Permit contains a list of insignificant activities. These activities emit very small quantities of regulated air pollutants and do not require a permit to construct or registration with the Department. For insignificant activities that are subject to a requirement under the Clean Air Act, the requirement is listed under the activity.

Section VI of the Part 70 Permit contains State-only enforceable requirements. Section VI identifies requirements that are not based on the Clean Air Act, but solely on Maryland air pollution regulations. These requirements generally relate

to the prevention of nuisances and implementation of Maryland's Air Toxics Program.

REGULATORY REVIEW/TECHNICAL REVIEW/COMPLIANCE METHODOLOGY

Emissions Unit(s): EU-1 & EU-2: Boilers

EU-1 & EU-2: Two (2) Cleaver Brooks natural gas-fired boilers, each rated at 37.8 MMBtu/hr. (with No.2 fuel oil as back-up) located in the Power Plant. [**MDE Reg.: 039-0055-3-0010 & -3-0011**]
Boilers modified in 2021 to switch fuel from burning wood chip (with No. 2 fuel oil backup) to burn natural gas with No. 2 fuel oil as backup.

Compliance Status
During the March 20, 2019, inspection, it was reported that the wood-fired boilers were operating and each producing about 20,000 lbs. steam/hr. A Method 9 Visible Emissions Observation was conducted, and no visible emissions observed. A copy of a recent fuel delivery slip (dated 12/12/2018) shows 15ppm sulfur. The combustion control system was monitoring the required parameters. In 2018 **EU-1**: operated 336 days, and **EU-2**: operated 318 days.
A stack test was conducted February 2-3, 2016, on **EU-1 & EU-2**. The results are as follows: PM - EU-1: 0.200 lb./MMBtu, EU-2: 0.201 lb./MMBtu; in compliance with the PM Standard: of 0.34 lb./MMBtu. SO_2, NO_X and CO were also tested. The results are as follows: EU-1: CO: 39.6 ppm; NO_X: 48.4 ppm; SO_2: 1.63 ppm; THC (VOC): 24.99 ppm. EU-2: CO: 142.8 ppm; NO_X: 53.8 ppm; SO_2: 0.87 ppm; THC (VOC): 16.4 ppm.

Applicable Standards and Limits

A. Control of Visible Emissions
COMAR 26.11.09.05 – Visible Emissions
A. Fuel Burning Equipment.
"(**1**) Areas I, II, V, and VI. In Areas I, II, V, and VI, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is greater than 20 percent opacity.
(**3**) Exceptions. Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:
(a) The visible emissions are not greater than 40 percent opacity; and
(b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

Compliance Demonstration

The Permittee shall: (1) properly operate and maintain the boilers; and (2) perform an EPA Reference Method 9 observation of stack emissions once per week for a 6-minute period. If visible emissions in excess of 20 percent opacity are observed, continue observation for an additional 12-minutes.

The Permittee shall perform the following, if emissions are in non-compliance with the 20 percent opacity standard: (1) inspect combustion control system and boiler operations; (2) perform all necessary adjustments and/or repairs to the boiler, so that visible emission in excess of 20 percent opacity are eliminated; (3) document in writing the results of the inspections, adjustments and/or repairs to the boiler; and (4) perform Method 9 observations once daily for 18-minutes until corrective actions have eliminated visible emissions in excess of 20 percent opacity.

The Permittee shall maintain an operations manual and preventative maintenance plan and records of maintenance performed that relates to combustion performance and preventing visible emissions. The Permittee shall maintain a log visible emission observation performed.

The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations." **[Reference: COMAR 26.11.03.06C]**

When operating on No. 2 fuel oil:

B. Control of Sulfur Oxides

A. **COMAR 26.11.09.07** - Sulfur Content Limitations for Fuel. "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitations:

(**1**) In Areas I, II, V, and VI:

(**a**) The combustion of all solid fuels on a premises where the sum total maximum rated heat input of all fuel burning equipment located on the premises is 100 million Btu (106 gigajoules) per hour or greater may not result in a total emission of oxides of sulfur in excess of 3.5 pounds per million Btu (1.50 kilograms per gigajoule) actual heat input per hour; (**c**) Distillate fuel oils, 0.3 percent."

Compliance Demonstration

The Permittee shall obtain a certification from the fuel supplier indication that the oil complies with the limitation of sulfur content. The Permittee shall retain on site documents certifying the sulfur content of fuel oil received. **[Reference: COMAR 26.11.03.06C]**

COMAR 26.11.09.07C. - Request for Analyses. "Any person offering to sell or deliver fuel or any person responsible for equipment in which fuel or process gas

is burned, upon request, shall submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation."

C. Control of Nitrogen Oxides

COMAR 26.11.09.08B(5) - Operator Training.

"(**a**) For purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation.

(**b**) The operator training course sponsored by the Department shall include an in-house training course that is approved by the Department."

COMAR 26.11.09.08E. - Requirements for Fuel-Burning Equipment with a Rated Heat Input Capacity of 100 Million Btu Per Hour or Less.

"A person who owns or operates fuel-burning equipment with a rated heat input capacity of 100 Million Btu per hour or less shall:

(1) Submit to the Department an identification of each affected installation, the rated heat input capacity of each installation, and the type of fuel burned in each;

(2) Perform a combustion analysis for each installation at least once each year and optimize combustion based on the analysis;

(3) Maintain the results of the combustion analysis at the site for at least 2 years and make this data available to the Department and the EPA upon request;

(4) Once every 3 years, require each operator of the installation to attend operator training programs on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and

(5) Prepare and maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request."

Compliance Demonstration

The Permittee shall maintain an operating and maintenance plan to minimize NO_X emissions based on the combustion analysis. **[Reference: COMAR 26.11.03.06C]**

The Permittee shall maintain the following: (1) the results of the combustion analysis; and (2) a record of training program attendance for each operator at the site and make these records available to the Department upon request. **[Reference: COMAR 26.11.09.08E(3&5)]**

D. Operational Limitation
The Permittee shall fire natural gas except during periods of gas curtailment or gas supply interruption. **[Reference: MDE Permit to construct 039-0055-5-3-0010 & -3-0011 issued March 30, 2021, Condition Part C(3)]**.

Compliance Demonstration
The Permittee shall maintain records of fuel use and make available to the Department upon request. **[Reference: COMAR 26.11.03.06C]**

Emissions Unit(s): EU-3 & EU-4, EU-17 & EU-18: Emergency Generators

EU-3 & EU-4: Two (2) Alban/Caterpillar Drive (Model CAT 3512) emergency diesel-fired generators, each rated at 1,025 kW. [**MDE Reg. No. 19-9-0018 & 19-9-0019]**

EU-17: One (1) Cummins/Onan Model 1000 DFJD emergency diesel generator rated at 1000 kW located at the Wastewater treatment plant. **[MDE Reg. No. 19-9-0015N]**

EU-18: One (1) Cummins Model 750DQCB emergency diesel generator rated at 1220 hp located at the Wastewater treatment plant **[MDE Reg. No. 039-0055-9-0056]**

Compliance Status
During the March 20, 2019, inspection, the generators were not operating. Certification from the fuel supplier showed sulfur content of 15 ppm or less. Records showed that only No.2 fuel oil was used in the generators. Operational records show that the generators have all operated less than 500 hours each last year. In 2018: EU-3: operated 280 hrs.; EU-4: operated 230 hrs.; EU-17: operated 171 hrs.; EU-18: operated 117 hrs.

Applicable Standards and Limits
A. Control of Visible Emissions
COMAR 26.11.09.05 – Visible Emissions
E. Stationary Internal Combustion Engine Powered Equipment.
(**2**) Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.
(**3**) Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(**4**) Exceptions.
(a) Section E(2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
(b) Section E(2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
(i) Engines that are idled continuously when not in service: 30 minutes.
(ii) All other engines: 15 minutes.
(c) Section E(2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics."

Compliance Demonstration
The Permittee shall perform preventive maintenance to optimize combustion performance. The Permittee shall maintain the following: (1) an operation manual and prevention maintenance plan; and (2) a record of the maintenance performed that relates to combustion performance. The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations." **[Reference: COMAR 26.11.03.06C]**

B. Control of Sulfur Oxides
A. **COMAR 26.11.09.07** - Sulfur Content Limitations for Fuel. "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitations:
(**1**) In Areas I, II, V, and VI: (**c**) Distillate fuel oils, 0.3 percent."
Note: Installations subject to 40 CFR Part 60, Subpart IIII must comply with the fuel standards of §60.4207 which limit the maximum sulfur content of the fuel to 15 ppm beginning October 1, 2010.

Compliance Demonstration
The Permittee shall obtain a certification from the fuel supplier indicating that the fuel oil is in compliance with the limitation on the sulfur content of the fuel oil or obtain sulfur in fuel analyses of oil that is representative of the oil burned.
[Reference: COMAR 26.11.03.06C]
The Permittee shall maintain records of fuel supplier's certification or sulfur fuel analyses. **[Reference: COMAR 26.11.09.07C]**
COMAR 26.11.09.07C – Request for Sulfur Analyses
"Any person responsible for equipment in which fuel or process gas is burned, upon request, shall submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation."

C. Control of Nitrogen Oxides

COMAR 26.11.09.08G. - Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 Percent or Less, and Combustion Turbines with a Capacity Factor Greater than 15 Percent.

"(1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:

(a) Provide certification of the capacity factor of the equipment to the Department in writing;

(b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually;

(c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request;

(d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and

(e) Maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request."

Compliance Demonstration

The Permittee shall perform a combustion analysis and optimize combustion at least once annually when the fuel-burning equipment operates for more than 500 hours in a calendar year. **[Reference: COMAR 26.11.09.08G(1)(b)]**

The Permittee shall:

1. Maintain the results of the combustion analysis performed when the hours of operation exceed 500 hours. **[Reference: COMAR 26.11.09.08G(1)(c)]**
2. Retain records of training program attendance for each operator. **[Reference: COMAR 26.11.09.08G(1)(e)]**

The Permittee shall submit a record of the training program attendance for each operator to the Department upon request. **[Reference: COMAR 26.11.09.08G(1)(e)]**

The Permittee shall provide certification of the capacity factor of the equipment to the Department in writing as part of the Annual Certification report. **[Reference: COMAR 26.11.09.08G(1)(a) & COMAR 26.11.03.06C]**

D. Operational Limitation

For **EU-3 & EU-4**: two (2) Alban/Caterpillar emergency diesel generators. **[MDE Reg. No. 19-9-0018 & 19-9-0019]**

The Permittee shall not operate the generators more than a combined total of 1000 hours per year unless prior Departmental approval is obtained. **[Reference: COMAR 26.11.03.06(C)]**

Compliance Demonstration

The Permittee shall calculate the rolling12-month total operating hours of each unit for within 30 days after the end of each month. The Permittee shall maintain a record of rolling 12-month total generator operating hours. The Permittee shall make these records available to the Department upon request. **[Reference: COMAR 26.11.03.06C].** The Permittee shall retain records of fuel usage and hours of operation on site. **[Reference: MDE Permit to Construct 19-9-0015 N issued April 27, 1998]**

For **EU-17**: one (1) Cummins/Onan emergency diesel generator. **[MDE Reg. No. 19-9-0015 N]**

The Permittee shall not operate the emergency generator more than 500 hours per year unless prior Departmental approval is obtained. **[Reference: MDE Permit to Construct 19-9-0015 N issued April 27, 1998]**

Compliance Demonstration

The Permittee shall calculate the rolling12-month total operating hours of each unit for within 30 days after the end of each month. The Permittee shall maintain a record of rolling 12-month total generator operating hours. The Permittee shall make these records available to the Department upon request. **[Reference: COMAR 26.11.03.06C].** The Permittee shall retain records of fuel usage and hours of operation on site. **[Reference: MDE Permit to Construct 19-9-0015 N April 27, 1998]**

For **EU-18**: one (1) 1,220 Hp emergency diesel generator. **[MDE Reg. No. 039-0055 9-0056]**

1. **New Source Performance Standards (NSPS) under 40 CFR Part 60 Subpart IIII for Stationary Compression Ignition Internal Combustion Engines**. – [40 CFR, Part 60, Subpart IIII]

All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) under 40 CFR Part 60 Subpart IIII for Stationary Compression Ignition Internal Combustion Engines,

The Permittee must operate and maintain an NSPS emergency diesel generator and control devices according to the manufacturer's written instructions or according to procedures developed by the owner or operator that are approved by the manufacturer. Additionally, the Permittee may change only those settings that are permitted by the manufacturer. The Permittee must also meet the requirements of 40 CFR part 89, part 1039 for model year 2011 or later, part 94 and/or part 1068, as they may apply to an owner or operator **[Reference: §60.4211]**

Beginning October 1, 2010, owners and operators (the Permittee) of a stationary source CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. **[Reference: §60.4207]**

In accordance with 40 CFR §60.4211(e), non-emergency use of each NSPS emergency diesel generator for the purpose of maintenance checks and readiness testing is limited to 100 hours per year or less unless prior approval is received from the Department.

2. **National Emissions Standards for Hazardous Air Pollutants (NESHAP) promulgated under 40 CFR 63, Subparts A and ZZZZ for Reciprocating Internal Combustion Engines**. – [40 CFR, Part 63, Subpart ZZZZ]

All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) promulgated under 40 CFR 63, Subparts A and ZZZZ for Reciprocating Internal Combustion Engines.

The Permittee shall meet the requirements of 40 CFR, Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR, Part 60, Subpart IIII for the emergency generator. No further requirements apply to the emergency generator under 40 CFR, Part 63, Subpart ZZZZ. **[Reference: 40 CFR §63.6590(c)(1)]**

Compliance Demonstration

1. **NSPS:** See Record keeping requirements.
    i. The Permittee shall maintain on site for the life of the source the following records for the emergency diesel generator(s):
        a. Documentation of the manufacture date of the diesel engine, if manufactured prior to April 1, 2006, and the manufacturer model year of the diesel engine;
        b. The installation date of each emergency diesel generator; and

c. The certifications of compliance or manufacturer engine test data required by 40 CFR §60.4211 and §60.4214(b).

ii. For any NSPS emergency diesel generator the Permittee shall for each fuel delivery obtain from the fuel supplier a fuel supplier certification consisting of the name of the oil supplier, the date of delivery, the amount of fuel delivered, and a statement from the fuel supplier that the diesel fuel oil complies with the specifications of 40 CFR §80.510. The Permittee shall maintain the required records on site for at least five (5) years.

2. **NESHAP:**

"By May 3, 2013, the Permittee shall comply with the following operating and monitoring requirements:
(a) Change oil and filter every 500 hours of operation or annually, whichever comes first
(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
(c) Inspect all hoses and belts every 500 hours of operation
or annually, whichever comes first, and replace as necessary.
[Reference: 40 CFR §63.6603(a), §63.6625(h), and Table 2d to 40 CFR 63, Subpart ZZZZ]
In accordance with § 63.6655(a), "if you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.
(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in § 63.10(b)(2)(xiv).
(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
(3) Records of performance tests and performance evaluations as required in § 63.10(b)(2)(viii).
(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.
(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including
corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
[Reference: 40 CFR §63.6655(a), (b), (d) and 40 CFR 63, Subpart ZZZZ]
The Permittee must submit report semiannually according to the requirements in § 63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to

numerical emission limitations. **[Reference: 40 CFR §63.6603(a), and Table 2d to 40 CFR 63, Subpart ZZZZ]**

Emissions Unit(s): EU-10 thru EU-16: Small Water heating Boilers & Furnaces

EU-10, EU-11, EU-12, & EU-13: Four (4) natural gas-fired hot water boilers, each rated at 1.64 MMBtu/hr. **[MDE Reg. No. 039-0055-5-0003 thru 5-0006]** (PTC issued March 30, 2021, for modification)**.**

EU-14, EU-15 & EU-16: Three (3) natural gas-fired hot water boilers, each rated at 1.5 MMBtu/hr. **[MDE Reg. No.039-0055- 5-0023 thru 5-0025].** (PTC issued March 30, 2021).

Two (2) Weather-Rite natural gas fired furnaces, each rated at 2.30 MMBtu/hr. **[MDE Reg. No.039-0055- 5-0026 & 5-0027].** (PTC issued March 30, 2021).

Compliance Status
During the March 20, 2019, inspection, shows that boilers are operated in a manner to prevent visible emissions. Boiler emissions are reported annually with the Emission Certification Report.

Applicable Standards and Limits
A. Control of Visible Emissions
COMAR 26.11.09.05 – Visible Emissions
A. Fuel Burning Equipment.
"(**1**) Areas I, II, V, and VI. In Areas I, II, V, and VI, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is greater than 20 percent opacity.
(**3**) Exceptions. Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:
(a) The visible emissions are not greater than 40 percent opacity; and
(b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

Compliance Demonstration
The Permittee shall properly operate and maintain the boilers in a manner to prevent visible emissions. The Permittee shall maintain an operations manual and preventative maintenance plan and records of maintenance performed that

relates to combustion performance. The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations." **[Reference: COMAR 26.11.03.06C]**

B. Control of Nitrogen Oxides

COMAR 26.11.09.08B(5) - Operator Training.

"(**a**) For purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation.

(**b**) The operator training course sponsored by the Department shall include an in-house training course that is approved by the Department."

COMAR 26.11.09.08E. - Requirements for Fuel-Burning Equipment with a Rated Heat Input Capacity of 100 Million Btu Per Hour or Less.

"A person who owns or operates fuel-burning equipment with a rated heat input capacity of 100 Million Btu per hour or less shall:

(1) Submit to the Department an identification of each affected installation, the rated heat input capacity of each installation, and the type of fuel burned in each;

(2) Perform a combustion analysis for each installation at least once each year and optimize combustion based on the analysis;

(3) Maintain the results of the combustion analysis at the site for at least 2 years and make this data available to the Department and the EPA upon request;

(4) Once every 3 years, require each operator of the installation to attend operator training programs on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and

(5) Prepare and maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request."

Compliance Demonstration

The Permittee shall maintain an operating and maintenance plan to minimize NO_X emissions based on the combustion analysis. **[Reference: COMAR 26.11.03.06C].** The Permittee shall maintain the following: (1) the results of the combustion analysis; and (2) a record of training program attendance for each operator at the site and make these records available to the Department upon request. **[Reference: COMAR 26.11.09.08E(3&5)]**

C. Operational Limitation

The Permittee shall only burn natural gas unless the Permittee applies for and receives an approval or permit from the Department to burn alternate fuels. **[Reference: COMAR 26.11.02.09A(6)]**.

Compliance Demonstration
The Permittee shall maintain records of fuel use and make available to the Department upon request. **[Reference: COMAR 26.11.03.06C]**

Emissions Unit(s): EU-5, EU-6 & EU-7: Paint Spray Booths w/HVLP spray guns
EU-5 & EU-6: Two (2) spray paint booths equipped with high volume low pressure (HVLP) spray guns used to refinish metal furniture. **[MDE Reg. No. 19-6-0008 & 19-6-0009]**

EU-7: One (1) spray paint booth equipped with high volume low pressure (HVLP) spray gun used to refinish wood furniture. **[MDE Reg. No. 19-6-0010]**

Compliance Status
During the March 20, 2019, inspection, the furniture shop was not inspected. VOC emissions are reported annually with the Emission Certification Report.

Applicable Standards and Limits
A. Control of Visible Emissions
COMAR 26.11.06.02C(1) – Visible Emissions from Process Equipment.
"In Areas I, II, V, and VI a person may not cause or permit the discharge of emissions from any installation or building, other than water in an uncombined form, which is greater than 20 percent opacity."
COMAR 26.11.06.02A(2) – General Exceptions.
"The visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modification or adjustments, or occasional cleaning of control equipment, if:
1. The visible emissions are not greater than 40 percent opacity; and
2. The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

Compliance Demonstration
The Permittee shall conduct a monthly one-minute visual observation of the spray booth exhaust. The visual observation must be conducted while the booth is in operation. If visible emissions are observed during any visual observation, the Permittee must increase the schedule of exhaust observation to a weekly and

maintain that schedule until no visible emissions are observed in six consecutive monthly visual observations. If visible emissions are observed during any observation, the Permittee must inspect the booth for cause of visible emissions and perform necessary adjustments or repairs within 24-hours or prior to operating the spray booth. If visible emissions have not been eliminated, the Permittee shall perform daily 18-minute visual observation for opacity in accordance with EPA Reference Method 9 when operating the spray booth.
The Permittee shall keep records of Visible Emission observations.
The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations"
[Reference: COMAR 26.11.03.06C]

B. Control of Particulate Matter
COMAR 26.11.06.03B(1)(a) – Particulate Matter from Confined Sources in Areas I, II, V and VI.
"A person may not cause or permit particulate matter to be discharged from any installation constructed on or after January 17, 1972, in excess of 0.05 gr/SCFD."

Compliance Demonstration
The Permittee shall continue to implement the existing preventative maintenance plan for the spray booth that describes the maintenance activity and time schedule for completing each activity. The Permittee shall perform maintenance activities within the timeframes established in the plan and shall maintain a log with records of the dates that maintenance was performed. The Permittee shall maintain a log with records of the dates that maintenance activities designed to minimize air emissions were performed. **[Reference: COMAR 26.11.03.06(C)]**

C. Control of VOC Emissions
For EU-5 & EU-6: MDE Reg. No. 19-6-0008 & 19-6-0009:
COMAR 26.11.19.08D(1) – Metal Parts and Products Coating.
A person subject to this regulation may not exceed the applicable VOC emission standards (expressed in terms of mass of VOC per volume of coating excluding water and exempt compounds, as applied) of the following table when applying a metal furniture coating:

Coating Type	Baked		Air-Dried	
	Lbs./gal	Kg/l	Lbs./gal	Kg/l
General, one-component	2.3	0.275	2.3	0.275
General, multi-component	2.3	0.275	2.8	0.340
Extreme performance	3.0	0.360	3.5	0.420

Metallic	3.5	0.420	3.5	0.420
Pretreatment	3.5	0.420	3.5	0.420
Solar absorbent	3.0	0.360	3.5	0.420
Extreme high gloss	3.0	0.360	2.8	0.340

Compliance Demonstration
The Permittee shall report material usage and VOC content of coatings in the annual Emission Certification Report. **[Reference: COMAR 26.11.03.06C]**

For EU-5 & EU-6: MDE Reg. No. 19-6-0008 and 19-6-0009:
The Permittee shall check MSD Sheets to ensure that the VOC content of coatings is less than the applicable standard. The MSD Sheet shall contain VOC data that is based on EPA Method 24 or equivalent. **[Reference: COMAR 26.11.19.02F]**
The Permittee shall retain records of material usage and VOC content of coatings. **[Reference: COMAR 26.11.03.06C]**

Emissions Unit(s): EU-8 & EU-9: Blasting

EU-8: One (1) John R. Wald Co. Steel Shot Blasting machine equipped with cartridge type filters to remove rust and old paint from frames and metal parts of furniture. **[MDE Reg. No. 19-9-0002 N]**

EU-9: One (1) John R. Wald Co. Steel Grit Blasting room, equipped with cartridge type dust collector to remove rust and old paint form the frames and metal parts of used furniture. **[MDE Reg. No. 19-9-0003 N]**

Compliance Status
During the March 20, 2019, inspection, the blasting equipment was not inspected. VOC emissions are reported annually with the Emission Certification Report.

Applicable Standards and Limits
A. Control of Visible Emissions
COMAR 26.11.06.02C(1) – Visible Emissions from Process Equipment.
"In Areas I, II, V, and VI a person may not cause or permit the discharge of emissions from any installation or building, other than water in an uncombined form, which is greater than 20 percent opacity."
COMAR 26.11.06.02A(2) – General Exceptions.

"The visible emissions standards in §C of this regulation do not apply to emissions during start-up and process modification or adjustments, or occasional cleaning of control equipment, if:

1. The visible emissions are not greater than 40 percent opacity; and
2. The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

Compliance Demonstration

The Permittee shall conduct a monthly one-minute visual observation of each blaster exhaust. The visual observations must be conducted while the blasting booth is in operation. If visible emissions are observed during any visual observation, the Permittee must increase the schedule of exhaust observation to a weekly and maintain that schedule until no visible emissions are observed in six consecutive monthly visual observations. If visible emissions are observed during any observation, the Permittee must inspect the blaster for cause of visible emissions and perform necessary adjustments or repairs within 24-hours or prior to operating the blasting booth again. If visible emissions have not been eliminated, the Permittee shall perform daily 18-minute visual observation for opacity in accordance with EPA Reference Method 9 when operating the blasting booth. The Permittee shall maintain a log of visible emission observations performed. The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III, "Report of Excess Emissions and Deviations". **[Reference: COMAR 26.11.03.06C**

B. Control of Particulate Matter

COMAR 26.11.06.03B(1)(a) – Particulate Matter from Confined Sources in Areas I, II, V and VI.

"A person may not cause or permit particulate matter to be discharged from any installation constructed on or after January 17, 1972, in excess of 0.05 gr/SCFD."

Compliance Demonstration

The Permittee shall maintain a preventative maintenance plan for the blast booths and filters that describes the maintenance activity and time schedule for completing each activity. The Permittee shall perform maintenance activities within the timeframes established in the plan. The Permittee shall maintain a log with records of the dates that maintenance activities designed to minimize air emissions were performed. **[Reference: COMAR 26.11.03.06C]**

Emissions Unit(s): EU-20

EU-20: One (1) 10,000 gallons Underground Gasoline Storage Tank **[MDE Reg. No. 9-0028]**

Compliance Status
During the March 20, 2019, inspection, the tank was not inspected. VOC emissions are reported annually with the Emission Certification Report.

Applicable Standards and Limits

Control of VOC Emissions
COMAR 26.11.13.04C(2) – Small Storage Tanks – Stage I Recovery.
"An owner or operator of a gasoline tank truck or an owner or operator of a stationary storage tank subject to this regulation may not cause or permit gasoline to be loaded into a stationary tank unless the loading system is equipped with a vapor balance line that is properly installed, maintained and used."
COMAR 26.11.13.04D – Small Storage Tanks – General Standards.
"A person may not cause or permit gasoline or VOC having a TVP greater than 1.5 psia or greater be loaded into any tank truck, railroad tank car, or other contrivance unless:

1. Loading connections on the vapor lines are equipped with fittings that have no leaks and that automatically and immediately close upon disconnection to prevent release of gasoline or VOC from these fittings; and
2. The equipment is maintained and operated in a manner to prevent avoidable liquid leaks during loading or unloading operations."

Compliance Demonstration

Control of VOC Emissions
The Permittee shall monitor a fuel drop at least once for every 10 fuel deliveries that are received to verify that:

1. The Stage 1 vapor balance system is used.
2. No liquid spills occur; and
3. The hose fittings and connections are operating properly and do not leak.

If leaks are detected, corrective action shall be as follows:

1. Take immediate action to repair all observed VOC leaks that can be repaired with 48 hours; and
2. Repair all other leaking components not later than 15 days after the leak is discovered. If a replacement part is needed, the part shall be ordered within 3 days after discovery of the leak, and the leak shall be repaired within 48 hours after receiving the part.

The Permittee shall maintain records of fuel drop monitoring results and corrective actions. **[Reference: COMAR 26.11.03.06C]**

COMPLIANCE SCHEDULE

Eastern Correctional Institution is currently in compliance with all applicable air quality regulations.

TITLE IV – ACID RAIN

Not Applicable.

TITLE VI – OZONE DEPLETING SUBSTANCES

Eastern Correctional Institution is currently complying with the applicable federal requirements in 40 CFR 82, 82.34(a); 82.42(a)(1); 82.42(b)(1), (2).

SECTION 112(r) – ACCIDENTAL RELEASE

Eastern Correctional Institution is not subject to the requirements of Section 112(r).

PERMIT SHIELD

Eastern Correctional Institution did not request a permit shield.

INSIGNIFICANT ACTIVITIES

This section provides a list of insignificant emissions units that were reported in the Title V permit application. The applicable Clean Air Act requirements, if any, are listed below the insignificant activity.

(1) No. 6 Fuel burning equipment using gaseous fuels or no. 1 or no. 2 fuel oil, and having a heat input less than 1,000,000 Btu (1.06 gigajoules) per hour;

The *affected fuel burning units* are subject to the following requirements:

COMAR 26.11.09.05A(1), which establishes that the Permittee may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is greater than 20 percent opacity.

Exceptions: COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments or occasional cleaning of control equipment if:

(a) The visible emissions are not greater than 40 percent opacity; and

(b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period.

COMAR 26.11.09.06A(2), which establishes that the Permittee may not cause or permit particulate matter caused by the combustion of solid fuel or residual oil in any fuel burning equipment erected on or after January 17, 1972, to be discharged into the atmosphere in excess of the amounts shown in Figure 2.

COMAR 26.11.09.07A(1)(c), which establishes that the Permittee may not burn, sell, or make available for sale any distillate fuel with a sulfur content by weight in excess of 0.3 percent.

(2) No. 1 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts) and which are not used to generate electricity for sale or for peak or load shaving;

The one (1) small mobile emergency diesel power generator (80 kW) serving the well house #6 (EU19) is subject to the following requirements:

(A) COMAR 26.11.09.05E(2), Emissions During Idle Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

(B) COMAR 26.11.09.05E(3), Emissions During Operating Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(C) Exceptions:

(i) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(ii) COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
(a) Engines that are idled continuously when not in service: 30 minutes
(b) all other engines: 15 minutes.

(iii) COMAR 26.11.09.05E(2) & (3) do not apply while maintenance, repair or testing is being performed by qualified mechanics.

(3) ✓ Space heaters utilizing direct heat transfer and used solely for comfort heat;

(4) ✓ Equipment for washing or drying products fabricated from metal or glass, provided that no VOC is used in the process and that no oil or solid fuel is burned;

(5) Containers, reservoirs, or tanks used exclusively for:

(a) ✓ Storage of butane, propane, or liquefied petroleum, or natural gas;

(b) No. 1 Storage of lubricating oils;

(c) No. 1 Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel;

(d) No. 1 The storage of VOC normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings and having individual capacities of 2,000 gallons (7.6 cubic meters) or less;

STATE ONLY ENFORCEABLE REQUIREMENTS

This section of the permit contains state-only enforceable requirements. The requirements in this section will not be enforced by the U.S. Environmental Protection Agency. The requirements in this section are not subject to COMAR 26.11.03 10 - Public Petitions for Review to EPA Regarding Part 70 Permits.

The Permittee is subject to the following State-only enforceable requirements:

1. Applicable Regulations:

   COMAR 26.11.06.08 - Nuisance**.**
   "An installation or premises may not be operated or maintained in such a manner that a nuisance or air pollution is created. Nothing in this regulation relating to the control of emissions may in any manner be construed as authorizing or permitting the creation of, or maintenance of, nuisance or air pollution."

   COMAR 26.11.06.09 - Odors**.**
   "A person may not cause or permit the discharge into the atmosphere of gases, vapors, or odors beyond the property line in such a manner that a nuisance or air pollution is created."

   COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T – BACT) to control emissions of toxic air pollutants.

   COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health.

2. Operating Conditions:
   For EU-5, EU-6 & EU-7: (MDE Reg. No. 19-6-0008, 19-6-0009, and 19-6-0010):
   The Permittee shall use a high-volume low pressure (HVLP) spray gun and a solvent recycling gun washer. If paints are mixed at the site, a paint mixer

is required. **[Reference: MDE Permit to Construct 19-6-0008, 19-6-0009, and 19-6-0010]**

3. Record Keeping and Reporting:

The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. The analysis shall include either:

(a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or

(b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.