

TEXAS EASTERN TRANSMISSION, LP
196 TEXAS EASTERN DRIVE, ACCIDENT, MD 21520
DRAFT PART 70 OPERATING PERMIT NO. 24-023-00081

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SECTION I SOURCE IDENTIFICATION

1. DESCRIPTION OF FACILITY

Texas Eastern Transmission, L. P. (Texas Eastern) transports natural gas via underground pipelines from the Gulf Coast region of the United States to the Northeast and mid-Atlantic United States. Texas Eastern owns and operates a natural gas compressor station located in Accident, Garrett County, Maryland (Accident Compressor Station). The Accident Compressor Station is a major source of criteria air pollutants and therefore requires a Part 70 (Title V) Operating Permit.

The Permittee employs two (2) 5,500 Hp reciprocating engines to inject and withdraw natural gas from the transmission pipeline into or from the adjacent storage field. Sufficient pipeline pressure must be maintained in order for gas to be injected into the storage field and withdrawn for redelivery to the transmission pipeline. There are also four (4) water bath heaters rated at 12 to 15 million Btu/hr and two (2) salt bath heaters rated at 3 million Btu/hr. Two emergency generators are maintained on site and are used to generate emergency power in the event of a loss of electrical grid power.

Equipment is used to remove pipeline liquids from the transmission pipelines. The liquids are removed by physical separation and stored in tanks until transported off-site.

During periods of below-freezing weather conditions, methanol is used as antifreeze and stored in seven (7) methanol tanks. Ambientrol (a water solution of propylene glycol) is also used as an antifreeze agent and is stored in one ambientrol tank. Waste methanol and water that is generated from the withdrawal process are stored in 11 wastewater/ methanol tanks. Lubricating oils used to lubricate the compressors and engines are also stored in tanks, as well as scrubber oil and cylinder oil. In addition, there is a defoamer tank and process tank at the station.

There are also VOC and Greenhouse Gas (GHG) emissions from miscellaneous releases of natural gas and leaks from pipeline components grouped as fugitive emissions. Fugitive emissions fall into the following four categories: Facility Gas Releases, Facility Pipeline Component Fugitives, Storage Field Gas Releases, and Storage Field Pipeline Component Fugitives.

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2. FACILITY INVENTORY LIST

Emissions Unit	ARMA Registrati on Number	Emissions Unit Description	Date of Installation
Eng-92101 (E-1)	9-0026	Reciprocating internal combustion engine, Dresser Clark TCV-16, 5500 Hp 2-stroke lean burn, natural gas fired .	1966
Eng-92102 (E-2)	9-0027	Reciprocating internal combustion engine, Dresser Clark TCV-16, 5500 Hp 2-stroke lean burn, natural gas fired	1971
Eng-92135 (E-3)	9-0000	Caterpillar G-398, 500 HP, 4-stroke rich burn internal combustion engine, natural gas fired; emergency generator	1965
921WBH01 (Htr-1)	5-0043	Water bath heater, BS&B, rated at 15 million Btu/hr, natural gas-fired	2009
921WBH04 (Htr-4)	5-0044	Water bath heater, BS&B, rated at 15 million Btu/hr, natural gas fired.	2011
921WBH02 (Htr-2)	5-0018	Water bath heater, BS&B, rated at 12 million Btu/hr, natural gas fired.	1965
921WBH03 (Htr-3)	5-0019	Water bath heater, BS&B, rated at 12 million Btu/hr, natural gas fired.	1966
921SBH05 (Htr-5)	5-0022	Salt bath heater, BS&B, rated at 3 million Btu/hr, natural gas fired.	1994
921SBH06 (Htr-6)	5-0023	Salt bath heater, BS&B, rated at 3 million Btu/hr, natural gas fired.	1995
TK-02A (Tank-1)	9-0028	Pipeline liquids storage tank, 12,600 gallons, vertical, above-ground.	1965
TK-02B (Tank-2)	9-0028	Pipeline liquids storage tank, 12,600 gallons, vertical, above-ground.	1971
PL-TL	n/r	Pipeline liquids truck loading	1965
Station Fugitives	n/r	Facility Gas Releases Facility Pipeline Component Fugitives	N/A
Storage Field	n/r	Storage Field Gas Releases Storage Field Pipeline Component Fugitives	N/A

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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

ARMA	Air and Radiation Management 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

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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.

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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

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- 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.

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- 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

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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

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- (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;

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- (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

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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);

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- (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;

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- (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.

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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.

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- 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.

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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;

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- 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 b y (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.

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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

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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 discloseable 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.

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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;

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- 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.

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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;

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- 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.

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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.

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- 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.

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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

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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;

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- 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.

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- d. Persons performing maintenance, service, repairs or disposal of appliances shall certify with the Administrator pursuant to 40 CFR 82.162.
- e. 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 82.166.
- f. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
- g. 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

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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. [Authority: COMAR 26.11.03.06C(5)(g)]

4.1.1	<p><u>Emissions Unit Numbers</u></p> <p>Eng-92101: Reciprocating internal combustion engine, Dresser Clark TCV-16, 5500 Hp 2-stroke lean burn, natural gas fired.</p> <p>Eng-92102: Reciprocating internal combustion engine, Dresser Clark TCV-16, 5500 Hp 2-stroke, lean burn, natural gas fired.</p>
4.1.2	<p><u>Applicable Standards/Limits:</u></p> <p>A. The following visible emissions standards apply:</p> <p>(1) 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 conditions, greater than 10 percent opacity.</p> <p>(2) 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.</p> <p>(3) COMAR 26.11.09.05E(4) Exceptions:</p> <p>(a) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of 15 consecutive minutes for the purpose of clearing the exhaust system</p>

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- (b) 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:
 - (i) Engines that are idled continuously when not in service: 30 minutes;
 - (ii) All other engines : 15 minutes
- (c) COMAR 26.11.09.05E(2) and E(3) do not apply while maintenance, repair or testing is being performed by qualified mechanics

B. NOx Limitations

- (1) COMAR 26.11.29.02B states, "NOx Emission Limits. A person who owns and operates a stationary internal combustion engine to which this chapter applies shall perform either parametric optimization or engine re-build to meet the following NOx emission limits:
 - (a) Facilities with five or less internal combustion engines shall meet a combined maximum hourly emission rate of 300 pounds per hour or less.
- (2) COMAR 26.11.29.02C states, "NOx Emission Rates.
 - (a) The NOx emission rates in §C(2) of this regulation apply to a stationary internal combustion engine used to compress natural gas at a natural gas pipeline compression station if the engine is one of the types and corresponding sizes identified in §C(2).

(b) Emission Rates in §C(2).

Type Engine Emission Rate	Size (brake HP) (15 percent oxygen)	NOx
Spark ignited, rich burn	2400 HP or greater	110 ppmv
Spark ignited, lean burn	2400 HP or greater	125 ppmv
Diesel engines	3100 HP or greater	175 ppmv
Dual fuel engines	4400 HP or greater	125 ppmv

- (c) The NOx Emission Rates in §C(2) of this regulation shall apply on and after May 1, 2003.

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	<p>(3) Additional NOx Limits- Permit to Construct 023-9-0026 and -0027 issued on July11,2006. See Table 4.4</p> <p>c. VOC Emission Limits.</p> <p>(1) In order to comply with New Source Review requirements, the VOC emissions increase from both engines collectively as a result of the modification authorized by permits to construct 023-9-0026 and -0027 M issued on July 16, 2002 shall be less than 40 tons per year of VOC and in any period of 12 consecutive months [Authority: Condition E(4), permit to construct 023-9-0026 and -0027 M, issued on July 16, 2002]. Note: The Pre-Retrofit baseline VOC emissions were 13.7 tons per year.</p> <p>(2) Additional VOC Limits- Permit to Construct 023-9-0026 and -0027 issued on July11,2006 See Table 4.4</p> <p>D Operational Limitations:</p> <p>The Permittee shall burn only pipeline quality natural gas unless the Permittee applies for and receives an approval or permit from the Department [Authority: COMAR 26.11.02.09].</p>
<p>4.1.3</p>	<p><u>Testing Requirements:</u></p> <p>A. See 4.1.5 A. <u>Recordkeeping Requirements</u> and 4.1.6 A. <u>Reporting Requirements</u>.</p> <p>B. The following testing requirements apply to NOx emissions:</p> <p>(1) During the term of this permit, the Permittee shall conduct at least one stack test for NOx on each engine using EPA reference methods and in accordance with a stack test protocol receiving prior approval from the Department. The stack tests shall be conducted while the engine is running at not less than 90 percent of the maximum load at which the engine will be operated during the term of the permit. The stack tests shall be conducted not more than two years prior to the expiration date of this permit, but shall be completed so that the stack test report shall be available at the time the Title V permit renewal application is required to be submitted to the Department [Authority: COMAR 26.11.03.06C(3)].</p> <p>(2) COMAR 26.11.29.04B states, “Internal combustion engines <u>not equipped</u> with a CEM.</p> <p>“(1) The owner or operator of an internal combustion engine subject to this chapter that is not equipped with a CEM shall demonstrate</p>

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compliance with the NOx emission limits and rates in Regulation .02B and C of this chapter as follows:

“(a) Compliance shall be established by stack tests using EPA Method 7 or other methods approved by the Department and the EPA; or

“(b) Compliance shall be established by an alternative emissions test approved by the Department.

“(2) The results of the stack tests or alternative emission tests for each engine and fuel consumption records submitted to the Department pursuant to Regulation .05 of this chapter shall be used to calculate NOx emissions for each affected engine.

“(3) The sum of the NOx emissions from all of the stationary internal combustion engines at a natural gas pipeline compression station that are subject to this chapter shall be used to demonstrate compliance with regulation .02B.

“(4) Stack test schedule. The owner or operator of an internal combustion engine at a natural gas pipeline compression station subject to this chapter that is not equipped with a CEM shall conduct a stack test or an alternative emissions test approved by the Department to determine NOx emissions from each affected engine not less than once each 12 month period.”

(3) Pursuant to regulation COMAR 26.11.29.04B(4), the Permittee shall conduct emission testing on each Dresser Clark TCV-16 engine by July 1 of each year, using a Department approved portable exhaust gas analyzer, in accordance with procedures recommended by the analyzer manufacturer. All testing shall be conducted at or above 90 percent load. Any deviations from this schedule shall require written approval of the Department. If the engines are found to be initially non-compliant, the engines shall be retested no later than September 1, after all necessary repairs and modifications to bring the engines into compliance [Authority: condition D(2), Permits to Construct 023-9-0026 and -0027 M, issued on July 16, 2002].

(4) Pursuant to regulation COMAR 26.11.29.02C(2), and COMAR 26.11.29.04B(4) the Permittee shall:

(a) For Eng-92102, no later than March 1, 2003, establish a correlation between engine operating parameters and the NOx

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emissions by conducting at least nine (9) stack test runs using EPA Reference Method 7E (40 CFR Part 60, Appendix A) or other approved methods, with the engines operating over a range of operating conditions in order to determine the coefficients to an equation defining the trapped equivalence ratio test point (TER_{TP}) as a function of operating rate [Authority: Condition D(1)(a), permit to construct 023-9-0027 M issued on July 16, 2002].

NOTE: The required initial testing was performed on December 12, 2002. The appropriate values of the coefficients A, B, and C were determined to be

$$A = -0.0628 \quad B = 0.299 \quad C = 0.066$$

- (b) For Eng-92101, establish a correlation between engine operating parameters and the NO_x emissions by conducting several stack test runs using EPA Reference Method 7E (40 CFR Part 60, Appendix A) or other approved methods, with the engines operating over a range of operating conditions in sufficient to determine the coefficients to an equation defining the trapped equivalence ratio set point (TER_{SP}) as a function of operating rate [Authority: COMAR 26.11.03.06C(3)]
- (c) At least once during the term of the permit the Permittee shall conduct testing to confirm the constants A, B, and C for both engines. The Permittee shall submit a test protocol to the Department for approval at least 30 days prior to the proposed testing. **[Authority: COMAR 26.11.03.06C and condition D(1)(f), Permit to construct 023-9-0026 and -027M issued on July 16,2002]**

- c. The following testing requirements apply to CO and VOC emissions:
 - (1) The Permittee shall perform annual emissions testing for VOC in accordance with procedures approved by the Department. [Authority: COMAR 26.11.03.06C(3)].
 - (2) The Permittee shall conduct an initial and subsequent annual performance test with a Department-approved portable CO analyzer or other EPA and Department approved test method to determine the hourly emission rate for CO of the catalytic oxidation units by measuring the outlet concentration of CO and oxygen. The outlet concentrations shall be corrected to 15 percent O₂ dry exhaust gas. The Permittee shall conduct three (3) 1-hour average determinations. All testing shall be conducted during normal operation and at least 90 percent of the maximum load conditions or above [Authority: Condition E(2), permit to

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	<p>construct 023-9-0026 and –0027 M, issued on July 11, 2006].</p> <p>(3) If the emission rate for CO determined during the initial or subsequent annual performance tests is greater than 7.7 pounds per hour, the Permittee shall clean, reactivate, replace the catalyst or take other corrective measures deemed appropriate and repeat the performance test within 30 days [Authority: Condition E(3), permit to construct 023-9-0026 and –0027 M, issued on July 11, 2006].</p> <p>(4) The Permittee shall comply with the following schedule [Authority: Condition E(1), permit to construct 023-9-0026 and –0027 M, issued on July 11, 2006] :</p> <p>(a) Perform annual performance tests in accordance with a schedule to be determined;</p> <p>(b) Submit a test protocol to the ARMA Compliance Program for review and approval at least 45 days prior to the anticipated date of the annual performance test;</p> <p>(c) Notify the Department at least 15 days in advance of the annual performance test; and</p> <p>(d) Submit to the Department a report of the results of the annual performance tests within 45 days of the completion of the tests.</p> <p>D. See 4.1.6 D. <u>Reporting Requirements.</u></p>
<p>4.1.4</p>	<p><u>Monitoring Requirements:</u></p> <p>A. See 4.1.5 A. <u>Recordkeeping Requirements</u> and 4.1.6 A. <u>Reporting Requirements.</u></p> <p>B. The following requirements apply:</p> <p>(1) Pursuant to regulation COMAR 26.11.29.03A(1), the Permittee shall continuously monitor NOx emissions with a continuous emissions monitor (CEM) certified in accordance with 40 CFR Part 60 or use an alternative method approved by the Department and the EPA [Authority: COMAR 26.11.29.03A(1)]</p> <p>(2) On or before May 1, 2002, and every year thereafter, the Permittee shall collect NOx emissions data that was obtained pursuant to regulation COMAR 26.11.29.03A(1) [Authority: COMAR 26.11.29.03A(2)]</p>

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(3) The NOx emissions data collected pursuant to regulation COMAR 26.11.29.03A(2) shall be used to demonstrate compliance with the emissions reduction requirements in regulation COMAR 26.11.29.02C [Authority: COMAR 26.11.29.03B].

(4) In keeping with regulations COMAR 26.11.29.03A(1)-(2) and .03B:

(a) The engines shall be equipped with a parametric emissions monitoring system (PEMS) [Authority: Condition D(5), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].

(b) The PEMS shall automatically sample data at fifteen minute intervals or less and automatically record hourly averages in a manner such that the data is retrievable on demand by inspectors. The following parameters shall be monitored and recorded by the system [Authority: condition E(5) and E(6), permit to construct 023-9-0026 and - 0027M issued on July 16, 2002]:

(i) the engine speed in revolutions per minute (RPM)

(ii) the engine fuel flow rate in SCFM (FF_{SCFM})

(iii) the calculated fuel flow per revolution in SCF/rev ($FFRPM$).

(iv) the actual air manifold pressure in inches of mercury (AMP).

(v) the air manifold temperature in °F (AMT).

(vi) the calculated trapped air/fuel equivalence ratio set point (TER_{SP}) based on the calculated fuel flow per revolution parameter ($FFRPM$) and equation of the type below:

$$TER_{SP} = A*(FFRPM)^2 + B*(FFRPM) + C$$

where A, B, and C are constants determined from the NOx emissions testing required by § 4.1.3 B(4) above.

(vii) the calculated air manifold pressure (gage) test point in inches of mercury (AMP_{SP}) using an equation of the type below:

$$AMP_{sp} = 2.036 * \left[\frac{AF_{ST} * (0.0765 * FSG) *}{(AMT + 460)} - 14.73 \right] \frac{1}{2.699 * TER_{SP} * V_{TRAP}}$$

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Where:

V_{TRAP} = engine trapped volume in cubic feet per revolution
 AF_{ST} = stoichiometric air/fuel mass ratio
FSG = the fuel gas specific gravity referenced to air
FFRPM = the calculated fuel flow per revolution in standard
cubic feet per revolution

Note: The above equations may be adjusted upon prior written approval from the Department if test data or other considerations indicate that such a modification or adjustment is warranted [Authority: condition E(6), permit to construct 023-9-0026 and -0027M issued on July 16, 2002].

(c) Operation of the engine with an air manifold pressure (AMP) less than the air manifold pressure set point (AMPSP) by more than 10% shall constitute a violation of this regulation unless the Permittee submits a separate demonstration of compliance with this regulation. [Authority: revised condition E(3) permit to construct 023-9-0026 and -0027 M issued on July 16, 2002]. Note: On May 20 and 21, 2015, the Permittee completed stack testing which demonstrated that the measured air manifold pressure may be less than the calculated air manifold pressure point by 10% without violating the NOx emission limit of 125 ppm.

c. The following monitoring requirements apply:

- (a) The Permittee shall continuously monitor and record the temperature of the flue gas at the inlet of the catalytic oxidizer units. The temperature data shall be reduced to 4-hour rolling averages which shall be computed at least once each hour from temperature measurements taken at least once every 15 minutes [Authority: Condition E(4), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].
- (b) The Permittee shall maintain the 4-hour rolling average temperature of the flue gas at the inlet of the catalytic oxidizer above 450 °F [Authority: Condition E(5), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].
- (c) The Permittee shall monitor and record once each month the pressure drop across the catalytic oxidation unit while the engine is operating at or above 90 percent of maximum load [Authority: Condition E(5), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].

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	D. See 4.1.6 D. <u>Reporting Requirements.</u>
4.1.5	<p><u>Record Keeping Requirements:</u></p> <p>A.- D. All records shall be retained by the Permittee for at least five (5) years and made available to the Department upon request. The records shall be readily accessible in hard copy or electronic form for at least three (3) years after the date of each occurrence, measurement, corrective action and/or report. The Permittee may keep such records off-site for the remainder of the 5-year period [Authority: Condition F(1), permit to construct 023-9-0026 and – 0027 M, issued on July 11, 2006]</p> <p>A. The Permittee shall maintain records demonstrating that the engines are being maintained in good operating condition [COMAR 26.11.03.06C(3)].</p> <p>B. The following requirements apply:</p> <ol style="list-style-type: none"> (1) The Permittee shall maintain the records necessary to comply with regulation COMAR 26.11.29.05 which states, “Results from the previous calendar year of the stack tests, emissions testing or CEM and fuel consumption records for each internal combustion engine subject to this chapter shall be submitted to the Department as part of the annual emissions report due April 1 of each year.” Note: If the results of stack tests have previously been submitted to the Department, a copy does not have to be included with the annual emissions report. (2) The Permittee shall maintain records on site of the hours of operation and monthly and annual fuel use [Authority: and COMAR 26.11.03.06C(3)]. (3) The Permittee shall the retain the records of the parametric NOx emissions data collected pursuant to regulation COMAR 26.11.29.03A(2) [Authority: COMAR 26.11.29.03A(3)]. <p>C. The following CO and VOC emissions requirements apply:</p> <ol style="list-style-type: none"> (1) The Permittee shall keep records of emissions test data, all stack test reports and the initial and confirmatory emissions testing for CO and VOC. The Permittee shall maintain records of the calculation of emissions of VOC sufficient to demonstrate that the emissions increase from the modification of the engines do not exceed the limitation based on any period of 12 consecutive months of operation [Authority: COMAR 26.11.03.06C(3)].

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	<p>(2) The Permittee shall maintain for the engine the following records [Authority: Condition F(2), permit to construct 023-9-0026 and –0027 M, issued on July 11, 2006]:</p> <ul style="list-style-type: none"> (a) Monthly records of the hours of operation and a rolling 12-month total of the hours of operation; (b) Monthly records of the amount of natural gas combusted; (c) Records of all data obtained during the initial performance test and subsequent annual performance tests and all reports of performance tests; (d) Monthly records of the pressure drop across each catalytic oxidation unit; (e) Hourly records of the 4-hour rolling average inlet temperature to each catalytic oxidation unit. <p>(3) The Permittee shall maintain a maintain a maintenance log book which records pertinent information, such as date the catalyst was replaced or regenerated; date of any activity tests that were performed on the catalyst; all other routine maintenance work as required by the manufacturer’s operation and maintenance guidance; and all other non-routine maintenance or shut downs. This logbook shall include the signature of the Permittee personnel that performed or documented the maintenance or shutdown [Authority: Condition F(4), permit to construct 023-9-0026 and –0027 M, issued on July 11, 2006].</p> <p>D. The Permittee shall maintain annual records of the amount and type of fuel used [Authority: COMAR 26.11.03.06C(3)].</p>
<p>4.1.6</p>	<p><u>Reporting Requirements:</u></p> <ul style="list-style-type: none"> A. The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III - “Report of Excess Emissions and Deviations.” B. The following requirements apply: <ul style="list-style-type: none"> (1) The Permittee shall submit fuel consumption records, stack tests or summaries of emissions tests results, and the continuous parametric monitoring data collected pursuant to regulation COMAR 26.11.29.03A(2) and .05 to the Department for the previous calendar year by as part of the annual emissions report due April 1 of each year [Authority: COMAR 26.11.29.03A(3) and .05] Note: If the results of stack tests have previously been

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	<p>submitted to the Department, a copy does not have to be included with the annual emissions report.</p> <p>(2) Within 45 days after completion of the test, the Permittee shall submit the results of the annual NOx testing of the engines to the Department [Authority: COMAR 26.11.03.06C(3)].</p> <p>(3) If the results of annual testing or parametric monitoring indicate an exceedance of the hourly NOx emission limit or NOx concentration limit of 125 ppm at 15% O₂, the Permittee shall:</p> <p>(a) Submit a written report within 5 days of discovery to the Department detailing the reasons for the exceedance [Authority: COMAR 26.11.03.06C(3)].</p> <p>(b) Within 30 days of the event, submit a report detailing all necessary modifications or repairs made in order to bring the non-compliant unit into compliance. The Permittee may submit a request to the Department for an extension to the 30 days. [Authority: COMAR 26.11.03.06C(3)].</p> <p>(c) Within 30 days of the event, submit a report detailing the results of the retesting of the non-compliant unit to the Department. The Permittee may submit a request to the Department for its approval for an extension to the 30 days if the retesting is delayed. [Authority: COMAR 26.11.03.06C(3)].</p> <p>C. Within 45 days after completion of the test, the Permittee shall submit an emissions test report detailing the results of the annual confirmatory CO and VOC testing of the engines to the Department [Authority: COMAR 26.11.03.06C(3)].</p> <p>D. The Permittee shall submit an annual Compliance Certification Reports in accordance with Section III, Part 9 of this permit certifying compliance with the requirement to combust only natural gas.</p>
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A Permit Shield shall cover the applicable requirements identified for the emission units listed in the table above. Permit shields are granted on an emission unit by emission unit basis.

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4.2.1	<u>Emissions Unit Numbers</u> Eng-92135: (E-3) Caterpillar G-398, 500 HP, 4-stroke rich burn internal combustion engine, natural gas fired; emergency generator (installed in 1965).
4.2.2	<u>Applicable Standards/Limits:</u> A. The following visible emissions standards apply: (1) 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 conditions, greater than 10 percent opacity. (2) 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. (3) COMAR 26.11.09.05E(4) Exceptions: (a) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of 15 consecutive minutes for the purpose of clearing the exhaust system. (b) 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: (i) Engines that are idled continuously when not in service: 30 minutes; (ii) All other engines : 15 minutes (c) COMAR 26.11.09.05E(2) and E(3) do not apply while maintenance, repair or testing is being performed by qualified mechanics B. COMAR 26.11.09.08G. Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 Percent or Less, (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:

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(a) for fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize the combustion at least annually [Authority: COMAR 26.11.09.08G(1)(b)];

(b) require each operator of the installation to attend operator training programs once every three years on combustion optimization that are sponsored by the Department, the EPA or equipment vendors [Authority: COMAR 26.11.09.08G(1)(d)];

Operator Training: For the purpose of [Regulation COMAR 26.11.09.08], the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation [Authority: COMAR 26.11.09.08B(6)].

c. 40 CFR part 63, subpart ZZZZ Requirements:

§63.6595(a) *Affected sources.* (1) ... If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, ..., you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

§63.6602 If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the ... requirements in Table 2c to this subpart which apply to you.

Table 2c to Subpart ZZZZ of Part 63

For each . . .	You must meet the following requirement, . . .	During periods of startup you must . . .
6. Emergency stationary SI RICE and black start stationary SI RICE	<p>a. Change oil and filter every 500 hours of operation or annually, whichever comes first.</p> <p>b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;</p>	Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations

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	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	apply.*
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* No 40 CFR 63 subpart ZZZZ emission standards apply to this emission unit

§63.6625(e)you must operate and maintain the stationary RICE ... according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

§63.6625(f) ... , you must install a non-resettable hour meter if one is not already installed.

§63.6625(h) ... you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to *[the engine]* all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. *Note: No emission standards in Tables 1a, 2a, 2c, or 2d apply to this engine .*

§63.6625(j) provide the option of utilizing an oil analysis program meeting certain requirements in order to extend the specified oil change requirement in Tables 2c. See §63.6625(j) for the oil analysis requirements.

§63.6640(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in ..., Table 2c, ... to this subpart that apply to you according to methods specified in Table 6 to this subpart.

Table 6 to Subpart ZZZZ of Part 63

For each...	Complying with the requirement to...	You must demonstrate continuous compliance by...
9. Existing emergency	a. Work or Management	i. Operating and maintaining the stationary RICE according to the

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	and black start stationary RICE ≤500 HP located at a major source of HAP, ...	practices	<p>manufacturer's emission-related operation and maintenance instructions; or</p> <p>ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</p>
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§63.6640(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

§63.6640(f)(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

§63.6640(f)(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraph (f)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

§63.6640(f)(2)(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains

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	<p>records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.</p> <p>§63.6640(f)(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.</p>
<p>4.2.3</p>	<p><u>Testing Requirements:</u></p> <p>A. See 4.2.5 A. and 4.2.6 A., Recordkeeping and Reporting Requirements.</p> <p>B. If the equipment operates more than 500 hours during a calendar year, the Permittee shall perform a combustion analysis and optimize the combustion at least annually [Authority: COMAR 26.11.09.08G(1)].</p> <p>C. See Monitoring Requirement</p>
<p>4.2.4</p>	<p><u>Monitoring Requirements:</u></p> <p>A. See 4.2.5 A. and 4.2.6 A., Recordkeeping and Reporting requirements.</p> <p>B. See 4.2.5 B. and 4.2.6 B., Recordkeeping and Reporting Requirements.</p> <p>C. The Permittee must operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop a maintenance plan that provides to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions [Authority: 40 CFR part 63, subpart DDDDD, §63.6625(e)].</p>

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4.2.5	<p><u>Record Keeping Requirements:</u> All records required under this section shall be kept for a period of at least five (5) years and shall be made available to the Department upon request.</p> <p>A. The Permittee shall maintain records demonstrating that the engine is being maintained in good operating condition [Authority: COMAR 26.11.03.06C(3)].</p> <p>B. The following requirements apply:</p> <p style="margin-left: 40px;">(1) The Permittee shall maintain the results of any required combustion analysis at the site and make this data available to the Department and the EPA upon request [Authority: COMAR 26.11.09.08G(3)]; and</p> <p style="margin-left: 40px;">(2) The Permittee shall prepare and maintain a record of any required training program attendance for each operator or maintenance person that would repair or make adjustments to the installation and make these records available to the Department upon request [Authority: COMAR 26.11.09.08G(1)(e)].</p> <p style="margin-left: 40px;">(3) The Permittee shall maintain annual fuel use records on site and shall make the records available to the Department upon request [Authority: COMAR 26.11.09.08K(3) and COMAR 26.11.03.06C(3)].</p> <p>C. The following record keeping requirements from 40 CFR part 63, subpart ZZZZ apply:</p> <p style="margin-left: 40px;">§63.6655(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each ... work management practices that apply to you</p> <p style="margin-left: 40px;">§63.6655(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE ... according to your own maintenance plan if you own or operate any of the following stationary RICE; ... (2) An existing stationary emergency RICE.</p> <p style="margin-left: 40px;">§63.6655(f) ... you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.</p>
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	<p>§63.6660 In what form and how long must I keep my records?</p> <p>§63.6660(a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).</p> <p>§63.6660(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.</p> <p>§63.6660(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).</p>
<p>4.2.6</p>	<p><u>Reporting Requirements:</u></p> <p>A. The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III - “Report of Excess Emissions and Deviations.”</p> <p>B. The Permittee shall provide certification of the capacity factor of the equipment to the Department in writing [Authority: COMAR 26.11.09.08G(1)(a)].</p> <p>C. The following 40 CFR part 63 subpart ZZZZ requirements apply:</p> <p>§63.6640(b) You must report each instance in which you did not meet each ... operating limitation in ...Table2c ... to this subpart that apply to you. These instances are deviations must be reported according to the requirements in §63.6650....</p> <p>§63.6650(a) You must submit each report in Table 7 of this subpart that applies to you. Note: There are no reports in Table 7 that are applicable to this engine.</p> <p>§63.6650(b)(5) For each stationary RICE that is subject to permitting regulations pursuant to 40 CFR part 70 ..., and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) ... , you may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (b)(4) of this section.</p>

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	<p>§63.6650(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 ... must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) ... and the Compliance report includes all required information concerning deviations from any ... operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.</p>
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A Permit Shield shall cover the applicable requirements identified for the emission units listed in the table above. Permit shields are granted on an emission unit by emission unit basis.

4.3.1	<p><u>Emissions Unit Numbers</u></p> <p>Htr-1: one (1) natural gas-fired water bath heater, BS&B, rated at 15 million Btu/hr;</p> <p>Htr -2 and Htr-3: two (2) natural gas-fired water bath heaters, BS&B, each rated at 12 million Btu/hr;</p> <p>Htr-4 one (1) natural gas-fired water bath heater, BS&B, rated at 15 million Btu/hr</p> <p>Htr-5 and Htr-6: two natural gas fired (2) salt-water bath heaters, BS&B, each rated at 3 million Btu/hr</p>
4.3.2	<p><u>Applicable Standards/Limits:</u></p> <p>A. COMAR 26.11.09.05A(1). The Permittee shall not cause or permit the discharge of emissions, other than water in an uncombined form, which is greater than 20 percent opacity.</p> <p>COMAR 26.11.09.05A(3) provides the following exceptions: COMAR 26.11.09.05A(1) 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</p>

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greater than 40 percent opacity; (b) the visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.

B. COMAR 26.11.09.08E. A person who owns or operates fuel-burning equipment with a rated heat input capacity of 100 MMBtu or less shall:

(1) Perform a combustion analysis for each installation at least once each year and optimize the combustion based on the analysis [Authority: COMAR 26.11.09.08E(2)];

(2) Once every three 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 [Authority: COMAR 26.11.09.08E(4)].

C. Additional NOx and VOC Limits- Permit to Construct 023-9-0026 and -0027 issued on July 11, 2006 See Table 4.3

D. 40 CFR part 60, subpart Dc -**See 4.3.5 D** Record Keeping requirement

E. 40 CFR part 63, subpart DDDDD Requirements:

§63.7495(b) Existing boiler or process heaters must comply with this subpart no later than January 31, 2016. *(Note: Applies to Htr-1, Htr-2, Htr-3, Htr-5, and Htr-6)*

§63.7490(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction. *Note: Htr-4t was constructed in 2011 and qualifies as 'new' under this paragraph.*

§63.7495(a) If you have a new ... boiler or process heater, you must comply with this subpart by April 1, 2013 or upon start-up of your boiler or process heater, whichever is later.

§63.7500 What emission limitations, work practice standards, and operating limits must I meet?

§63.7500(a)(1) requires that the emission units must meet each applicable work practice standard in Table 3, 40 CFR part 63, subpart DDDDD. – *See Table 4.3a for applicable work practice standards*

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§63.7500(e) ... Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

Note: The units are only subject to Table 3.

§63.7510 What are my initial compliance requirements and by what date must I meet them?

§63.7510(e) For existing affected sources (as defined in §63.7490) an initial tune-up of the boilers must be completed by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than January 31, 2016. Additionally, a one-time energy assessment as specified in Table 3, 40 CFR part 63, subpart DDDDD no later than January 31, 2016. (*Note: This applies to Htrs-1,-2,-3,-5, and -6.*)

§63.7510(g) For new or reconstructed affected sources (as defined in §63.7490), you must demonstrate initial compliance with the applicable work practice standards in Table 3 to this subpart within the ... annual... schedule as specified in §63.7515(d) following the initial compliance date specified in §63.7495(a). Thereafter, you are required to complete the ...annual... tune-up as specified in §63.7515(d). (*Note: This applies to Htr-4*)

See Table 4.3a one-time energy assessment requirements.

§63.7515 When must I conduct subsequent ... tune-ups?

§63.7515(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual (Htrs-1,-2,-3 and -4), or 5-year performance tune-up (Htrs-5 and -6) according to §63.7540(a)(10) and (12) accordingly. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up.

§63.7540 How do I demonstrate compliance with the ... work practice standards?

§63.7540 (a) You must demonstrate continuous compliance with ... the work practice standards in Table 3 to this subpart, ... that applies to you according to the methods specified in ... and paragraphs (a)(1) through (19) of this section.

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	<p>§63.7540(a)(10) If your boiler or process heater has a heat input capacity of <u>10 million Btu per hour or greater</u>, you must conduct an <u>annual tune-up</u> of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section.....(Note: This applies to Htrs-1,-2,-3, and -4)</p> <p>§63.7540(a)(12) If your boiler or process heater has ...a heat input capacity of <u>less than or equal to</u> 5 million Btu per hour ... , you must conduct a tune-up of the boiler or process heater <u>every 5 years</u> as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. (Note: This applies to Htrs-5 and-6)</p> <p>See 4.3.3 D Testing Requirements, 4.3.4 C. Monitoring Requirements, and 4.3.5 C Record Keeping Requirements for the tune-up procedures §63.7540(a)(10)(i) through (vi)</p> <p>§63.7540 (a) (13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.</p> <p><u>Operational Limitation:</u></p> <p>(F) The Permittee shall combust only natural gas in the boilers [Authority: COMAR 26.11.02.09].</p>
<p>4.3.3</p>	<p><u>Testing Requirements:</u></p> <p>A. See 4.3.5 A. and 4.3.6 A., Recordkeeping and. Reporting Requirements.</p> <p>B. The Permittee shall perform a combustion analysis for each installation at least once each year and optimize the combustion based on the analysis [Authority: COMAR 26.11.09.08E(2)]</p> <p>C. See Table 4.4</p> <p>D. See 4.3.5 D record keeping requirement</p> <p>E. The Permittee shall perform an initial tune-up and subsequent annual tune-ups for Htrs-1,-2,-3,and -4 and subsequent 5-year tune-ups for</p>

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Htrs-5 and-6 following the monitoring procedures specified in §63.7540(a)(10)(i) through (vi)

§63.7540(a)(10)(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). ... At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

§63.7540(a)(10)(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

§63.7540(a)(10)(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). ...

§63.7540(a)(10)(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject;

§63.7540(a)(10) (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

§63.7540(a)(10)(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units

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	<p style="text-align: center;">sharing a fuel meter may estimate the fuel used by each unit</p> <p>§63.7540 (a) (13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.</p> <p>(F) See 4.3.5 F and 4.3.6 F, record keeping and reporting requirements</p>
4.3.4	<p><u>Monitoring Requirements:</u></p> <p>A. See 4.3.5 A and 4.3.6 A, Recordkeeping and Reporting Requirements.</p> <p>B. See 4.3.3 B testing requirement</p> <p>C. See Table 4.4</p> <p>D. See 4.3.5 D record keeping requirement</p> <p>E. See 4.3.3 E testing requirement</p> <p>F. See 4.3.5 F and 4.3.6 F Record Keeping and Reporting Requirements</p>
4.3.5	<p><u>Record Keeping Requirements:</u> The records required under this section shall be kept on-site for a period of at least five (5) years and shall be made available to the Department upon request:</p> <p>A. The Permittee shall maintain records demonstrating that the boilers are being maintained in good operating condition [COMAR 26.11.03.06C(3)].</p> <p>B. The following requirements apply:</p> <ol style="list-style-type: none"> (1) The Permittee shall maintain the results of the combustion analysis at the site and make this data available to the Department and the EPA upon request [Authority: COMAR 26.11.09.08E(3)] (2) The Permittee shall 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 [Authority: COMAR 26.11.09.08E(5)] (3) The Permittee shall maintain at the site annual records of the amount and type of fuel used [Authority: COMAR 26.11.09.08K(3) and COMAR 26.11.03.06C(3)].

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C. See **Table 4.4**

D. 40 CFR 60 Subpart Dc, §60.48c(g)

“(g)(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(g)(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(g)(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO₂ standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.”

E. The following requirements apply:

(1) §63.7540(a)(10)(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up.

(C) Not Applicable

(2) §63.7555(a)(1). The Permittee shall keep a copy of each notification and report submitted to comply with Part 63, subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that was submitted according to the

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	<p>requirements in §63.10(b)(2)(xiv). Note: Semi-annual monitoring <i>reports are required in accordance with Section III, Part 4d of this permit, which shall, "... provide accounts of all deviations from permit requirements that occurred during the reporting period."</i></p> <p>F. The Permittee shall maintain annual records of the amount and type of fuel used [Authority: COMAR 26.11.03.06C(3)].</p>
<p>4.3.6</p>	<p><u>Reporting Requirements:</u></p> <p>A. The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, Section III- "Report of Excess Emissions and Deviations."</p> <p>B. The Permittee shall submit an annual Compliance Certification Reports in accordance with Section III- Part 9 of this permit.</p> <p>C. See Table 4.4</p> <p>D. See 4.3.5 Record Keeping</p> <p>E. The Permittee shall include in the annual Compliance Certification Report required by Section III, Part 9 of this permit, and in accordance with §63.7550(b), the information required by §63.7550(c)(1) through (5), and a statement, if there are no deviations from applicable the work practice standards in Table 3, a statement that there were no deviations from the work practice standards during the reporting period. If there was a deviation from a work practice standard during the reporting period, the report must contain the information required in 63.7550(d). Note: Semi-annual monitoring <i>reports are required in accordance with Section III, Part 4d of this permit, which shall, "... provide accounts of all deviations from permit requirements that occurred during the reporting period."</i></p> <p>F. The Permittee shall submit annual Compliance Certification Reports in accordance with Section III, Part 9 of this permit certifying compliance with the requirement to combust only natural gas.</p>

A Permit Shield shall cover the applicable requirements identified for the emission units listed in the table above. Permit shields are granted on an emission unit by emission unit basis.

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Table 4.3a - Part 63 Subpart DDDD Table 3- Work Practices									
4.3a.1	<u>Emissions Unit Numbers</u> Existing units Htr-1 through Htr-3, and Htr-5 and Htr-6, and new Unit– Htr-4								
4.3a.2	<p><u>Applicable Standards/Limits:</u></p> <p style="text-align: center;">Table 3 to Subpart DDDDD of Part 63—Work Practice Standards</p> <p>As stated in §63.7500, you must comply with the following applicable work practice standards:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">If your unit is . . .</th> <th style="width: 50%;">You must meet the following . . .</th> </tr> </thead> <tbody> <tr> <td> 1. A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, or a limited use boiler or process heater Note: This applies to Htr-5 and Htr-6 </td> <td> Conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540. </td> </tr> <tr> <td>2. Not Applicable</td> <td></td> </tr> <tr> <td> 3. A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater Note: This applies to Htrs-1,-2,- </td> <td> Conduct a tune-up of the boiler or process heater annually as specified in §63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart. </td> </tr> </tbody> </table>	If your unit is . . .	You must meet the following . . .	1. A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, or a limited use boiler or process heater Note: This applies to Htr-5 and Htr-6	Conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540.	2. Not Applicable		3. A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater Note: This applies to Htrs-1,-2,-	Conduct a tune-up of the boiler or process heater annually as specified in §63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.
If your unit is . . .	You must meet the following . . .								
1. A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, or a limited use boiler or process heater Note: This applies to Htr-5 and Htr-6	Conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540.								
2. Not Applicable									
3. A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater Note: This applies to Htrs-1,-2,-	Conduct a tune-up of the boiler or process heater annually as specified in §63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.								

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3,and -4.	
<p>4. An existing boiler or process heater located at a major source facility, not including limited use units</p> <p>Note: This applies to Htrs-1,-2,-3,-5,and -6.</p>	<p>Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in §63.7575:</p>
	<p>a. A visual inspection of the boiler or process heater system.</p>
	<p>b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.</p>
	<p>c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator</p>

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	d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
	e. A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.
	f. A list of cost-effective energy conservation measures that are within the facility's control
	g. A list of the energy savings potential of the energy conservation measures identified.
	h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments

Note:

§63.7575 *Energy assessment* means the following for the emission units covered by this subpart:

(1) The energy assessment for facilities with affected boilers and process heaters with a combined heat input capacity of less than 0.3 trillion Btu (TBtu) per year will be 8 on-site technical labor hours in length maximum, but may be longer at the discretion of the owner or operator of the affected source. The boiler system(s), process heater(s), and any on-site energy use system(s) accounting for at least 50 percent of the affected boiler(s) energy (e.g., steam, hot water, process heat, or electricity) production, as applicable, will be evaluated to identify energy savings opportunities, within the limit of performing an 8-hour on-site energy assessment.

(2) The energy assessment for facilities with affected boilers and process heaters with a combined heat input capacity of 0.3 to 1.0 TBtu/year will be 24 on-site technical labor hours in length maximum,

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	<p>but may be longer at the discretion of the owner or operator of the affected source. The boiler system(s), process heater(s), and any on-site energy use system(s) accounting for at least 33 percent of the energy (e.g., steam, hot water, process heat, or electricity) production, as applicable, will be evaluated to identify energy savings opportunities, within the limit of performing a 24-hour on-site energy assessment.</p>
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A Permit Shield shall cover the applicable requirements identified for the emission units listed in the table above. Permit shields are granted on an emission unit by emission unit basis.

4.4.1	<p><u>Emissions Unit Numbers</u></p> <p>Eng-92101: Reciprocating internal combustion engine, Dresser Clark TCV-16, 5500 Hp 2-stroke lean burn, natural gas fired.</p> <p>Eng-92102: Reciprocating internal combustion engine, Dresser Clark TCV-16, 5500 Hp 2-stroke, lean burn, natural gas fired.</p> <p>WBH1 (Htr-1) one (1) natural gas-fired water bath heater, BS&B, rated at 15 million Btu/hr;</p> <p>WBH2 (Htr-2) and WBH3 (Htr-3): two (2) natural gas-fired water bath heaters, BS&B, each rated at 12 million Btu/hr;</p> <p>WBH4 (Htr-4) one (1) natural gas-fired water bath heater, BS&B, rated at 15 million Btu/hr</p> <p>SBH1 (Htr-5) and SBH2 (Htr-6): two natural gas fired (2) salt-water bath heaters, BS&B, each rated at 3 million Btu/hr</p>
4.4.2	<p><u>Applicable Standards/Limits:</u></p> <p>Permit to Construct 023-9-026 and -0027 issued on July 11, 2006</p> <p>(A). The emissions of NO_x and VOC from the affected installations (Engine 92101, Engine 92102, and Boilers SBH1, SBH2, WBH1, WBH2, WBH3, and WBH4) shall be limited to the following unless the Permittee receives prior approval from the Department:</p> <ul style="list-style-type: none"> i. 182.5 tons per year for NO_x, in any period of 12 consecutive months; and ii. 45.6 tons per year for VOC (excluding fugitive emissions), in

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	<p>any period of 12 consecutive months.</p> <p>iii. To assure compliance with these limitations, the total hours of operation of Engine 92101 and Engine 92102 shall not exceed 14,000 hours per year in any period of 12 consecutive months [Authority: Condition D(8), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].</p> <p>(B) Both Engines 92101 and 92102 shall be equipped with high pressure fuel injection (HPFI) technology and a parametric emissions control and monitoring system including Trapped Air/Fuel Equivalence Ratio monitoring [aka Trapped Equivalence Ratio (TER)] manufactured by Enginuity, LLC [Authority: Condition D(5), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].</p> <p>(C) The Permittee shall operate Engines 92101 and 92102 with HPFI Technology at all times [Authority: Condition D(6), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].</p>
<p>4.4.3</p>	<p><u>Testing Requirements:</u></p> <p>See Monitoring Requirements</p>
<p>4.4.4</p>	<p><u>Monitoring Requirements:</u></p> <p>A. – C. The following apply generally:</p> <p>The Permittee shall maintain and operate the internal combustion engines and any associated air pollution control equipment, including the catalytic oxidation units, in such a manner as to ensure full and continuous compliance with all applicable regulations [Authority: Condition D(2), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].</p> <p>The Permittee shall properly maintain and keep in good working condition all control panel instrumentation and monitoring devices that the Permittee uses to determine if the air pollution control equipment is operating as designed [Authority: Condition D(3), permit to construct 023-9-0026 and -0027 M, issued on July 11, 2006].</p>
<p>4.4.5</p>	<p><u>Record Keeping Requirements:</u></p> <p>The Permittee shall maintain a record of the calculations of the annual NOx and VOC emissions from Engine 92101, Engine 92102, and Boilers SBH1, SBH2, WBH1, WBH2, WBH3, and WBH4. [Authority: COMAR 26.11.03.06C]</p>

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	<p>The Permittee shall maintain a record of the total hours of operation of Engine 92101 and Engine 92102 for each period of 12 consecutive months [Authority: COMAR 26.11.03.06C].</p>
4.4.6	<p><u>Reporting Requirements:</u></p> <p>The Permittee shall submit annual Compliance Certification Reports in accordance with Section III, Part 9 of this permit certifying compliance with the emissions limitations and annual hours of operation of Engine 92101 and Engine 92102.</p>

A Permit Shield shall cover the applicable requirements identified for the emission units listed in the table above. Permit shields are granted on an emission unit by emission unit basis.

4.5.1	<p><u>Emissions Units</u></p> <p>PL-TL: Pipeline liquids tank truck loading. Tank-1 and Tank-2: Two (2) pipeline liquid storage vertical AST, 12,600 gallons</p>
4.5.2	<p><u>Applicable Standards/Limits:</u></p> <p>Equipment Leaks during VOC Storage and Transfer</p> <p>COMAR 26.11.13.04D General Standards. A person may not cause or permit gasoline or VOC having a TVP of 1.5 psia (10.3 kilonewtons/square meter) or greater to be loaded into any tank truck, railroad tank car, or other contrivance unless the:</p> <ul style="list-style-type: none"> (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) Equipment is maintained to prevent avoidable liquid leaks during loading and unloading operations.
4.5.3	<p><u>Testing Requirements:</u> See monitoring, recordkeeping, and reporting requirements.</p>
4.5.4	<p><u>Monitoring Requirements:</u></p> <p>The Permittee shall conduct routine inspections of each tank truck loading operation to ensure that loading connections have no leaks. The</p>

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	inspection shall be conducted while the tank truck is being loaded or unloaded. The Permittee shall record the results of the inspections and make these results available to the Department upon request. [Authority: COMAR 26.11.13.04D(2) and COMAR 26.11.03.06C(3)].
4.5.5	<u>Record Keeping Requirements:</u> The Permittee shall maintain a log that includes the name of the person conducting the inspection, the date of the inspection, results of the inspection, a list of leaks, and identity of components that cannot be repaired within 48 hours. The log shall be made available to the Department upon request. The leak inspection records shall be maintained for a period of not less than 5 years from the date of their occurrence [Authority: COMAR 26.11.13.04D(2) and COMAR 26.11.03.06C(3)].
4.5.6	<u>Reporting Requirements:</u> The Permittee shall report the results of leak inspections to the Department upon request [Authority: COMAR 26.11.03.06C(3)]. To satisfy the requirements of COMAR 26.11.19.02F, it is sufficient that the Permittee include the emissions from the storage tanks in the annual emissions certification report as required by permit condition (8) of Section III, Plant-wide Conditions [Authority: COMAR 26.11.19.02F(1)].

A Permit Shield shall cover the applicable requirements identified for the emission units listed in the table above. Permit shields are granted on an emission unit by emission unit basis.

4.7.1	<u>Emissions Unit Numbers:</u> Fugitives Facility Gas Releases, Facility pipeline Component Fugitives, Storage Field Gas Releases, and Storage Field Pipeline Component
4.7.2	<u>Applicable Standards/Limits:</u> There are no emission standards that apply to the fugitive emission points from this facility.
4.7.3	<u>Testing Requirements:</u> See recordkeeping and reporting requirements.

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4.7.4	<u>Monitoring Requirements:</u> See recordkeeping and reporting requirements.
4.7.5	<u>Record Keeping Requirements:</u> The Permittee shall keep the records necessary to support the emissions certification of VOC and Green House Gases from releases of natural gas from the facility's fugitives sources. [Authority: COMAR 26.11.02.19C].
4.7.6	<u>Reporting Requirements:</u> The Permittee shall certify the emissions annually in accordance with COMAR 26.11.02.19D [Authority: COMAR 26.11.02.19D].

A Permit Shield shall cover the applicable requirements identified for the emission units listed in the table above. Permit shields are granted on an emission unit by emission unit basis.

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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. 23 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;

- (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 470 BHP Waukesha L-3711 emergency generator (auxiliary generator 92136) 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.

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

(D)40 CFR Part 63 Subpart ZZZZ- The requirements are the same as for Engine -92135. See Table 4.2.

- (3) Containers, reservoirs, or tanks used exclusively for:
No. 5 Storage of lubricating oils.
- (4) No. 2 Charbroilers and pit barbecues as defined in COMAR 26.11.18.01 with a total cooking area of 5 square feet (0.46 square meter) or less;
- (5) Any other emissions unit, not listed in this section, with a potential to emit less than the *de minimis* levels listed in COMAR 26.11.02.10X

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Emission Unit	Description	Size	COMAR Reference
Tank ACC1	Used Oil (AST)	2,940 gal.	26.11.03.04A(3)
Tanks ACC3-3F	Waste methanol/water (6 – AST)	8,450 gal.	26.11.02.10X
Tanks ACC4A, -4B	Pipeline Liquids (2 – AST)	1,500 gal.	26.11.02.10X
Tank ACC5	Scrubber Oil (AST)	345 gal.	26.11.03.04A(3)
Tank ACC6	Cylinder Oil (AST)	700 gal.	26.11.03.04A(3)
Tanks ACC7A,-7B	Lube Oil (2- AST)	3,000 gal.	26.11.03.04A(3)
Tank ACC9	Ambitrol (1 – UST)	4,200 gal.	26.11.02.10X
Tanks ACCI-MeOH01 thru ACCI-MeOH04	Wastewater/ methanol (4 – AST)	10,000 gal.	26.11.02.10X
“new” (2007)	Methanol (1 – AST)	10,000 gal.	26.11.02.10X
“new” (2007)	Methanol (6 – AST)	900 gal.	26.11.02.10X
T.Load	Truck loading activities		26.11.02.10X
PW	Safety Kleen Parts Washer		26.11.02.10X
Wastewater/Methanol Tank	Wastewater/methanol (1- AST)	24,300 gal	26.11.02.10X
Tank DEF-1	Defoamer tank (Process tank)	500 gal	26.11.02.10X
Tank AC-1	Stores condensate from air compressor (Process tank)	500 gal	26.11.02.10X
Tank Jenkins #1	Field Methanol Pump Tank	900 gal.	26.11.02.10X
Tank McCullough#4	Field Methanol Pump Tank	900 gal.	26.11.02.10X
Tank Black & Frazee #1	Field Methanol Pump Tank	1,000 gal.	26.11.02.10X
Tank Black & Frazee #2	Field Methanol Pump Tank	900 gal.	26.11.02.10X
Tank Rexrode #3	Field Methanol Pump Tank	900 gal.	26.11.02.10X
Tank Knox #1	Field Methanol Pump Tank	1,000 gal.	26.11.02.10X
Tank Fratz #1	Field Methanol Pump Tank	900 gal.	26.11.02.10X

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Tank B-B1	Field Methanol Pump Tank	900 gal.	26.11.02.10X
Tank End of C-Line	Field Methanol Pump Tank	900 gal.	26.11.02.10X
Tank Kelso #1	Field Methanol Pump Tank	1,000 gal.	26.11.02.10X
Tank George #3	Field Methanol Pump Tank	1,000 gal.	26.11.02.10X
Tank End of B1-Line	Field Methanol Pump Tank	1,000 gal.	26.11.02.10X

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SECTION VI STATE-ONLY ENFORCEABLE CONDITIONS

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

1. Applicable State-only Enforceable Regulations:
 - (A) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
 - (B) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health
 - (C) COMAR 26.11.36.03A(5), which establishes that the Permittee may not operate an emergency generator for testing and engine maintenance purposes between 12:01 a.m. and 2:00 p.m. on any day on which the Department forecasts that the air quality will be a code orange, code red, or code purple.

2. 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.