



MAJOR SOURCE OPERATING PERMIT

Permittee: **PRUET PRODUCTION COMPANY**

Facility Name: **CEDAR CREEK, AREA NO. 2**

Facility No.: **103-0017**

Location: **Conecuh County Road 29 & Conecuh County Road 42, Conecuh County, Alabama**

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this Permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this Permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this Permit.*

Issuance Date: **DRAFT**

Effective Date: **DRAFT**

Expiration Date: **DRAFT**

Alabama Department of Environmental Management

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General Permit Provisos

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<p>1. <u>Transfer</u></p> <p>This Permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)(5).</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this Permit.</p> <p>The source for which this Permit is issued shall lose its right to operate upon the expiration of this Permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this Permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this Permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this Permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this Permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code r. 335-3. Noncompliance with this Permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code r. 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this Permit would have required halting or reducing the permitted activity.</p> <p>5. <u>Termination for Cause</u></p> <p>This Permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> <p>6. <u>Property Rights</u></p> <p>The issuance of this Permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p> <p>Rule 335-3-16-.05(h)</p> <p>Rule 335-3-16-.05(i)</p>

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<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit or to determine compliance with this Permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this Permit.</p> <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Permit.</p> <p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this Permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <p>Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this Permit;</p> <ul style="list-style-type: none"> (a) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this Permit; (b) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this Permit; and (c) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this Permit or other applicable requirements. <p>11. <u>Compliance Provisions</u></p> <p>The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this Permit.</p> <p>12. <u>Compliance Certification</u></p> <ul style="list-style-type: none"> (a) A compliance certification shall be submitted annually within 60 days of the anniversary date of issuance of this Permit. 	<p>Rule 335-3-16-.05(j)</p> <p>Rule 335-3-16-.05(k)</p> <p>Rule 335-3-16-.07(a)</p> <p>Rule 335-3-16-.07(b)</p> <p>Rule 335-3-16-.07(c)</p> <p>Rule 335-3-16-.07(e)</p>

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<p>(b) The compliance certification shall include the following:</p> <ul style="list-style-type: none"> (1) The identification of each term or condition of this Permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements); (4) Whether compliance has been continuous or intermittent; and (5) Such other facts as the Department may require to determine the compliance status of the source; <p>(c) The compliance certification shall be submitted to:</p> <p style="text-align: center;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="text-align: center;">and to:</p> <p style="text-align: center;">EPA Region 4 via email at EPA_R4_CAA_Reports@epa.gov or EPA's Compliance and Emissions Data Reporting Interface (CEDRI)</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this Permit will be reopened prior to the expiration of the permit:</p> <ul style="list-style-type: none"> (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this Permit is due to expire. (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this Permit. (c) The Department or EPA determines that this Permit contains a material mistake or that inaccurate statements were made in establishing the Emissions Standards or other terms or conditions of this Permit. (d) The Administrator or the Department determines that this Permit must be revised or revoked to assure compliance with the applicable requirements. 	<p>Rule 335-3-16-.13(5)</p>

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<p>14. <u>Additional Rules and Regulations</u></p> <p>This Permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p> <p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for scheduled maintenance, the intent to shut down shall be reported to the Department at least 24 hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director will be notified when the breakdown has been corrected.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> <p>Rule 335-3-1-.07(1),(2)</p>
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this Permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This Permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>

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<p>18. <u>Fugitive Dust</u></p> <p>Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <ul style="list-style-type: none"> (a) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; (b) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (c) By paving; (d) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; or (e) Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. 	<p>Rule 335-3-4-.02</p>
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 Rule 335-3-16-.14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <ul style="list-style-type: none"> (a) Records of required monitoring information of the source shall include the following: <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. (b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit 	<p>Rule 335-3-16-.05(c)(2)</p>

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<p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> <p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 calendar days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</p> <p>(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 calendar days of the actual completion of the test.</p> <p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code r. 335-1-7-.04.</p>	<p>Rule 335-3-16-.05(c)(3)</p> <p>Rule 335-3-1-.04(1) Rule 335-3-1-.05(3)</p> <p>Rule 335-1-7-.04</p>

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<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p> <p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in Appendices A and B to Subpart A of 40 CFR Part 82 shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>(a) No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>(b) The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.</p> <p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>(a) If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(1) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a); or</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p> <p>27. <u>Display of Permit</u></p> <p>This Permit shall be kept under file or on display at all times at the site where the facility for which this Permit is issued is located and will make the permit readily available for inspection by any or all persons who may request to see it.</p> <p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.04(1)</p> <p>40 CFR Part 82, Subpart F</p> <p>40 CFR Part 68</p> <p>Rule 335-3-14-.01(1)(d)</p> <p>Rule 335-3-1-.10</p>

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<p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific Provisos of this Permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20 percent in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40 percent. Opacity will be determined by Method 9 of Appendix A-4 to 40 CFR Part 60, unless otherwise specified in the Unit Specific Provisos of this Permit.</p>	Rule 335-3-4-.01(1)
<p>30. <u>Fuel-Burning Equipment</u></p> <p>(a) Unless otherwise specified in the Unit Specific Provisos of this Permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.03.</p> <p>(b) Unless otherwise specified in the Unit Specific Provisos of this Permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Rule 335-3-5-.01.</p>	<p>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p>
<p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific Provisos of this Permit, no process may discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.04.</p>	Rule 335-3-4-.04
<p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this Permit shall be the nominal time required by the specific test method.</p>	Rule 335-3-1-.05
<p>33. <u>Open Burning</u></p> <p>Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.</p>	Rule 335-3-3-.01

Summary Page for Facility-wide Emissions

Permitted Operating Schedule: $24 \frac{\text{hr}}{\text{day}} \times 7 \frac{\text{day}}{\text{week}} \times 52 \frac{\text{week}}{\text{yr}} = 8,760 \frac{\text{hr}}{\text{year}}$

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission Limit	Regulation
Oil and Natural Gas Production Facilities				
	All sources within a contiguous area and under common control which emits or may emit NO _x .	NO _x	≤ 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
	All sources within a contiguous area and under common control which emits or may emit CO.	CO	≤ 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
	All sources within a contiguous area and under common control which emits or may emit VOC.	VOC	≤ 245 TPY	Rule 335-3-14-.04 (Anti-PSD)
	All sources within a contiguous area and under common control which emits or may emit SO ₂ .	SO ₂	≤ 245 TPY	Rule 335-3-14-.04 (Anti-PSD)

Provisos for Facility-wide Emissions

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<p>Applicability</p> <ol style="list-style-type: none"> 1. This facility has requested a facility-wide emission limit to prevent it from being subject to the provisions of ADEM Admin Code R. 335-3-14-.04, “Air Permits Authorizing Construction in Clean Air Areas” [Prevention of Significant Deterioration (Anti-PSD)]. 2. This facility meets the requirements specified in Rule 335-3-16-.03 and therefore this facility shall be subject to Rule 335-3-16 and this subpart of this permit. 	<p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>Rule 335-3-16-.03</p>
<p>Emissions Standards</p> <ol style="list-style-type: none"> 1. The facility as a whole shall adhere to the following requirements: <ol style="list-style-type: none"> (a) NO_x emissions shall not exceed 245 tons per rolling 12-month period. (b) CO emissions shall not exceed 245 tons per rolling 12-month period. (c) VOC emissions shall not exceed 245 tons per rolling 12-month period. (d) SO₂ emissions shall not exceed 245 tons per rolling 12-month period. 	<p>Rule 335-3-14-.04 [Anti-PSD] Rule 335-3-16-.05(a)</p>
<p>Compliance and Performance Test Methods and Procedures</p> <ol style="list-style-type: none"> 1. Compliance with Proviso 1 of the <i>Emissions Standards</i> for facility-wide emissions section of this Permit shall be met as follows: <ol style="list-style-type: none"> (a) Each unit located at this facility shall be tested in accordance with that unit specific subpart of this permit. 	<p>Rule 335-3-1-.05 Rule 335-3-16-.05(c)(1)(i)</p>
<p>Emission Monitoring</p> <ol style="list-style-type: none"> 1. To demonstrate compliance with the emission limitations specified in Proviso 1 of the <i>Emissions Standards</i> for facility-wide emissions section of this Permit, the following monitoring requirements shall be met: <ol style="list-style-type: none"> (a) Each unit located at this facility shall be monitored in accordance with that unit specific subpart of this permit. (b) Monthly calculations as described in Proviso 1 of the <i>Recordkeeping and Reporting Requirements</i> for facility-wide emissions section of this permit shall be performed, maintained, and compared with the limits outlined in Proviso 1 of the <i>Emission Standards</i> for facility-wide emissions section of this permit. 	<p>Rule 335-3-1-.04 Rule 335-3-1-.05 Rule 335-3-16-.05(c)(1)(ii)</p> <p>Rule 335-3-1-.04 Rule 335-3-16-.05(c)(1)(ii) Rule 335-3-16-.05(c)(2)</p>
<p>Recordkeeping and Reporting Requirements</p> <ol style="list-style-type: none"> 1. To demonstrate compliance with the requirements specified in Proviso 1 of the <i>Emissions Standards</i> for facility-wide emissions section of this Permit, a monthly record of the following information and calculations shall be maintained and made available for inspection for a period of five (5) years: <ol style="list-style-type: none"> (a) Monthly calculations of the facility-wide emissions shall be performed using: 	<p>Rule 335-3-1-.04 Rule 335-3-16-.05(c)(2)</p>

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<p>(1) Monthly NO_x, CO, VOC, and SO₂ emissions from all engines as calculated in Proviso 1 of the <i>Recordkeeping and Reporting Requirements</i> for facility engines section of this permit.</p> <p>(2) Monthly NO_x, CO, VOC, and SO₂ emissions from all flares as calculated in Proviso 1 of the <i>Recordkeeping and Reporting Requirements</i> for flares section of this permit.</p> <p>(3) Monthly NO_x, CO, VOC, and SO₂ emissions from all heater treaters.</p> <p>(b) The facility-wide emissions in tons per month shall be calculated as follows:</p> <p>(1) NO_x emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ = Total engine NO_x emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total flare NO_x emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total heater treater NO_x emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p> <p>(2) CO emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ = Total engine CO emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total flare CO emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total heater treater CO emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p> <p>(3) VOC emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ = Total engine VOC emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total flare VOC emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total heater treater VOC emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p> <p>(4) SO₂ emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ = Total engine SO₂ emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total flare SO₂ emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + Total heater treater SO₂ emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p> <p>(c) The facility-wide emissions in tons per twelve-months shall be calculated as follows:</p> <p>(1) NO_x emissions $\left(\frac{\text{tons}}{12\text{-months}}\right)$ = Sum of previous 11 month's NO_x emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + current month's NO_x emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p> <p>(2) CO emissions $\left(\frac{\text{tons}}{12\text{-months}}\right)$ = Sum of previous 11 month's CO emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + current month's CO emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p> <p>(3) VOC emissions $\left(\frac{\text{tons}}{12\text{-months}}\right)$ = Sum of previous 11 month's VOC emissions $\left(\frac{\text{tons}}{\text{month}}\right)$ + current month's VOC emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p>	

Federally Enforceable Provisos	Regulations
<p>(4) SO_2 emissions $\left(\frac{\text{tons}}{12\text{-months}}\right) =$ Sum of previous 11 month's SO_2 emissions $\left(\frac{\text{tons}}{\text{month}}\right) +$ current month's SO_2 emissions $\left(\frac{\text{tons}}{\text{month}}\right)$</p> <p>2. The date, starting time and duration of each deviation from a permit term or condition along with the cause and corrective actions taken.</p> <p>3. Monitoring reports meeting the requirements specified below shall be submitted to the Department to demonstrate compliance with General Proviso No. 21(a) of this Permit.</p> <p>(a) Each report shall identify each incidence of deviation from a permit term or condition including those that occur during startups, shutdowns, and malfunctions.</p> <p>(1) A deviation shall mean any condition determined by observation, by data collected by any continuous monitoring system or periodic monitoring required by the permit that can be used to indicate compliance, that identifies an affected source may have failed to meet an applicable emission limit or standard or that a work practice was not complied with or completed.</p> <p>(2) If no deviation events occurred during the reporting period, a statement that indicates there were no deviations from the permit requirements shall be included in the report.</p> <p>(b) Each monitoring report should contain the information below:</p> <p>(1) For each deviation event, the following information shall be submitted:</p> <p>(i) Emission source description</p> <p>(ii) Permit requirement</p> <p>(iii) Date</p> <p>(iv) Starting time</p> <p>(v) Duration</p> <p>(vi) Actual quantity of pollutant or parameter</p> <p>(vii) Cause</p> <p>(viii) Action taken to return to compliance</p> <p>(ix) Total operating hours of the affected source during the reporting period</p> <p>(x) Total hours of deviation events during the reporting period</p> <p>(xi) Total hours of deviation events that occurred during startups, shutdowns, and malfunctions during the reporting period</p> <p>(c) Each monitoring report shall cover no more than a calendar semiannual period and shall be submitted according to the following reporting schedule:</p>	<p>Rule 335-3-16-.05(c)(3)</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none">(1) Reports covering January 1 through June 30 shall be submitted no later than the following July 31.(2) Reports covering July 1 through December 31 shall be submitted no later than the following January 31.	

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Summary Page for Facility Engines

$$\text{Permitted Operating Schedule: } 24 \frac{\text{hr}}{\text{day}} \times 7 \frac{\text{day}}{\text{week}} \times 52 \frac{\text{week}}{\text{yr}} = 8,760 \frac{\text{hr}}{\text{year}}$$

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission Limit	Regulation
CS01, CS02, and CS03	384 BHP Gas-Fired, 2SLB, SI, Field Compressor Engines (Nos. 1, 2, and 3)	NO _x	6.8 lb/hr	Rule 335-3-14-.04 [Anti-PSD]
		CO	6.8 lb/hr	Rule 335-3-14-.04 [Anti-PSD]
		VOC	1.9 lb/hr	Rule 335-3-14-.04 [Anti-PSD]
		HAP	Work/Management Practices	Item 6 of <i>Table 2d to Subpart ZZZZ of 40 CFR 63</i>
		Opacity	No more than one 6-minute average greater than 20 percent opacity AND No 6-minute averages greater than 40 percent opacity	Rule 335-3-4-.01(1)
2101B	163 HP Gas-Fired, 4SRB, SI Power Oil Pump Engine	NO _x	1.98 lb/hr	Rule 335-3-14-.04 [Anti-PSD]
		CO	2.0 lb/hr	Rule 335-3-14-.04 [Anti-PSD]
		VOC	4.0 lb/hr	Rule 335-3-14-.04 [Anti-PSD]
		HAP	Work/Management Practices	Item 10 of <i>Table 2d to Subpart ZZZZ of 40 CFR 63</i>
		Opacity	No more than one 6-minute average greater than 20 percent opacity AND No 6-minute averages greater than 40 percent opacity	Rule 335-3-4-.01(1)

Provisos for Facility Engines

Federally Enforceable Provisos	Regulations
<p>Applicability</p> <ol style="list-style-type: none"> Each engine is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03 — <i>Major Source Operating Permits</i> and to this subpart of this permit. Each engine is subject to the requirements of ADEM Admin. Code r. 335-3-4-.01 — <i>Control of Particulate Matter Emissions – Visible Emissions</i>. Each engine has enforceable limits in order to prevent these units from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04 — <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i>. Each engine is subject to the requirements of 40 CFR Part 63, Subpart ZZZZ — <i>National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [MACT ZZZZ]</i> for existing units at area sources. Each engine is subject to the requirements of 40 CFR Part 63, Subpart A — <i>General Provisions</i>, as specified in 40 CFR §63.6665 and <i>Table 8 to MACT ZZZZ of 40 CFR Part 63</i>. 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>40 CFR §63.6585(b) 40 CFR §63.6585(c) 40 CFR §63.6590(a)(1)(iii) 40 CFR §63.6590(a)(1)(iv) 40 CFR §63.2</p> <p>Rule 335-3-11-.06(1) 40 CFR §63.6665</p>
<p>Emissions Standards</p> <ol style="list-style-type: none"> Each engine shall meet the opacity standards specified below: <ol style="list-style-type: none"> Except for one 6-minute period during any 60-minute period, the engines shall not discharge into the atmosphere particulate that results in an opacity greater than 20%, as determined by a 6-minute average. At no time shall the engines discharge into the atmosphere particulate that results in an opacity greater than 40%, as determined by a 6-minute average. The CS01, CS02, and CS03 engines shall comply with the following Anti-PSD limitations: <ol style="list-style-type: none"> NO_x emissions shall not exceed 6.8 lb/hr. CO emissions shall not exceed 6.8 lb/hr. VOC emissions shall not exceed 1.9 lb/hr. The CS01, CS02, and CS03 engines shall comply with the work practice standards found in Table 2d to MACT ZZZZ: <ol style="list-style-type: none"> Change oil and filter every 4,320 hours of operation or within 1 year + 30 days of the previous change, whichever comes first. 	<p>Rule 335-3-4-.01(1)(a)</p> <p>Rule 335-3-4-.01(1)(b)</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>40 CFR §63.6603(a) Item 6 of <i>Table 2d to Subpart ZZZZ of 40 CFR Part 63</i> 40 CFR §63.6625(j)</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> (i) You have the option of utilizing an oil analysis program in order to extend the specified oil change requirements as specified in 40 CFR §63.6625(j). (b) Inspect spark plugs every 4,320 hours of operation or within 1 year + 30 days of the previous change, whichever comes first, and replace as necessary. (c) Inspect all hoses and belts every 4,320 hours of operation or within 1 year + 30 days of the previous change, whichever comes first, and replace as necessary. <p>4. The 2101B engine shall comply with the following Anti-PSD limitations:</p> <ul style="list-style-type: none"> (a) NO_x emissions shall not exceed 1.98 lb/hr. (b) CO emissions shall not exceed 2.0 lb/hr. (c) VOC emissions shall not exceed 4.0 lb/hr. <p>5. The 2101B engine shall comply with the work practice standards found in Table 2d to MACT ZZZZ:</p> <ul style="list-style-type: none"> (a) Change oil and filter every 1,440 hours of operation or within 1 year + 30 days of the previous change, whichever comes first. <ul style="list-style-type: none"> (i) You have the option of utilizing an oil analysis program in order to extend the specified oil change requirements as specified in 40 CFR §63.6625(j). (b) Inspect spark plugs every 1,440 hours of operation or within 1 year + 30 days of the previous change, whichever comes first, and replace as necessary. (c) Inspect all hoses and belts every 1,440 hours of operation or within 1 year + 30 days of the previous change, whichever comes first, and replace as necessary. 	<p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>40 CFR §63.6603(a) Item 10 of <i>Table 2d to Subpart ZZZZ of 40 CFR Part 63</i> 40 CFR §63.6625(j)</p>
Compliance and Performance Test Methods and Procedures	
<p>1. Compliance with the opacity standards shall be determined using Method 9 of Appendix A-4 to 40 CFR Part 60 (Method 9).</p> <ul style="list-style-type: none"> (a) Method 9 shall be performed by an individual that is certified to perform it. (b) Method 9 shall be performed during daylight hours. (c) Any time Method 9 is performed, it should be documented with an ADEM Visible Emissions Observation sheet. <p>2. To demonstrate compliance with the applicable NO_x, CO, and VOC emission limits, the CS01, CS02, CS03, and 2101B engines shall be tested in accordance with the following methods:</p> <ul style="list-style-type: none"> (a) NO_x testing shall be conducted according to the requirements of Method 7 or 7A or 7B or 7C or 7D or 7E of Appendix A to 40 CFR Part 60. 	<p>Rule 335-3-4-.01(2) Rule 335-3-16-.05(c)(1)</p> <p>Rule 335-3-1-.05 Rule 335-3-14-.04 [Anti-PSD] 335-3-16-.05(c)(1)</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> (b) CO testing shall be conducted according to the requirements of Method 10 or 10A or 10B of Appendix A to 40 CFR Part 60. (c) VOC testing shall be conducted according to the requirements of Method 18 of Appendix A-6 to 40 CFR Part 60, or Method 25, 25A, 25B, 25C, 25D, or 25E of Appendix A-7 to 40 CFR Part 60. <ul style="list-style-type: none"> (1) Alternatively, EPA's Conditional Test Method (CTM-034) and Method 18 of Appendix A-6 to 40 CFR Part 60 & Method 19 of Appendix A-7 to 40 CFR Part 60 may be used. (d) Each performance test shall consist of three runs of at least 1-hour in duration. (e) Emission factors for NO_x, CO, and VOC shall be determined during each test in pounds per million British thermal units (Btu). <p>3. The engine fuel gas shall be tested for its Btu and hydrogen sulfide (H₂S) content in accordance with the following methods:</p> <ul style="list-style-type: none"> (a) <i>Fuel Gas Heat Content (Btu/scf)</i> — Each sample shall be analyzed for its Btu content by utilizing the ASTM Analysis Method D1826-77. (b) <i>Fuel Gas H₂S (ppmv)</i> — Each sample collected shall be analyzed for its hydrogen sulfide content utilizing the Tutwiler procedures found in 40 CFR §60.648 or the chromatographic analysis procedures found in ASTM E-260 or the stain tube procedures found in GPA 2377-86 or those provided by the stain tube manufacturer. 	<p>Rule 335-3-1-.05 Rule 335-3-16-.05(c)(1)</p>
Emission Monitoring	
<ul style="list-style-type: none"> 1. To demonstrate compliance with the opacity standards, the following monitoring should be performed on the engines: <ul style="list-style-type: none"> (a) If at any time visible emissions exceeding the opacity standards in Proviso 1 of the <i>Emissions Standards</i> for facility engines section of this Permit are observed and cannot be eliminated within 1 hour, Method 9 should be used to conduct a visible emission observation. 2. The engine fuel gas shall be tested for its Btu heat content and H₂S content in accordance with the following requirements: <ul style="list-style-type: none"> (a) Btu and H₂S content testing shall occur at a frequency of no less than once every 12 months. (b) The fuel gas Btu and H₂S content shall be determined from samples that are representative of the fuel gas being consumed. (c) Testing shall be conducted in accordance with the requirements specified in Provisos 3(a) and 3(b) of the <i>Compliance and Performance Test Methods and Procedures</i> for facility engines section of this Permit. 	<p>Rule 335-3-4-.01 Rule 335-3-16-.05(c)(1)</p> <p>Rule 335-3-16-.05(c)(1)</p>
<ul style="list-style-type: none"> 3. When possible and practicable, a continuous metering system shall be utilized that is capable of continuously monitoring and recording the fuel gas flow rate to each engine. <ul style="list-style-type: none"> (a) The continuous measurement may be made with a single meter through which all of the fuel gas for identical make and model engines flow. 	<p>Rule 335-3-16-.05(c)(1)</p>

Federally Enforceable Provisos	Regulations
<p>(1) Calibration, maintenance, and operation of the metering system shall be performed in accordance with the manufacturer's specification.</p> <p>(b) Volumetric flow of fuel gas streams that are not continuously measured shall be accounted for by utilizing special estimating methods (i.e., engineer estimates, material balance, computer simulation, special testing etc.).</p> <p>(c) Each fuel gas monitor shall be located immediately upstream of the engine it is monitoring.</p> <p>4. Continuous compliance with the requirements of MACT ZZZZ shall be demonstrated by meeting the following requirements:</p> <p>(a) Continuous compliance with the work practice standards of MACT ZZZZ shall be demonstrated by meeting one of the following requirements:</p> <p>(1) Operating and maintaining the stationary RICE according to the manufacturers' emission-related operation and maintenance instructions.</p> <p>(2) Developing and following your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.</p> <p>(b) The engines must be in compliance with the requirements of MACT ZZZZ at all times.</p> <p>(c) The engines, associated air pollution control equipment, and monitoring equipment must be operated and maintained in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times.</p>	<p>40 CFR §63.6640(a) Item 9 of <i>Table 6 to MACT ZZZZ</i></p> <p>40 CFR §63.6605(a)</p> <p>40 CFR §63.6605(b)</p>
Recordkeeping and Reporting Requirements	
<p>1. Records of the following information shall be maintained and made available for inspection for each engine for a period of five (5) years:</p> <p>(a) The date, time, and results of any visible emissions observations should be recorded.</p> <p>(b) Monthly operating hours in hours per month</p> <p>(c) Monthly fuel consumption in thousand standard cubic feet (Mscf) per month</p> <p>(d) Monthly NO_x, CO, VOC, and SO₂ emissions in tons per month and tons per rolling 12-months.</p> <p>(e) Records of each fuel gas analysis required by Emission Monitoring Proviso 2</p> <p>2. The following recordkeeping requirements shall be met to demonstrate compliance with the requirements of MACT ZZZZ:</p> <p>(a) Maintenance records as specified in 40 CFR §63.6655(e) shall be maintained for each engine.</p> <p>(b) Each record shall be kept in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1).</p>	<p>Rule 335-3-4-.01 Rule 335-3-16-.05(c)(2)</p> <p>40 CFR §63.6655(e) 40 CFR §63.6655(e)(3)</p> <p>40 CFR §63.6660(a)</p>

Federally Enforceable Provisos	Regulations
(c) Each record shall be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	40 CFR §63.6660(b) 40 CFR §63.10(b)(1)
(d) Each record shall be 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.	40 CFR §63.6660(c) 40 CFR §63.10(b)(1)
(e) The applicable notifications in 40 CFR 63, Subpart A must be submitted.	40 CFR §63.6595(c)
3. You must also report each instance in which you did not meet the applicable requirements in <i>Table 8 to MACT ZZZZ</i> .	40 CFR §63.6640(e)
4. Monitoring reports meeting the requirements specified below shall be submitted to the Department to demonstrate compliance with General Proviso No. 21(a) of this Permit.	Rule 335-3-16-.05(c)(3)
(a) Each report shall identify each incidence of deviation from a permit term or condition including those that occur during startups, shutdowns, and malfunctions.	Rule 335-3-16-.05(c)(3) 40 CFR §63.6650(f)
(1) A deviation shall mean any condition determined by observation, by data collected by any continuous monitoring system or periodic monitoring required by the permit that can be used to indicate compliance, that identifies an affected source may have failed to meet an applicable emission limit or standard or that a work practice was not complied with or completed.	
(2) If no deviation events occurred during the reporting period, a statement that indicates there were no deviations from the permit requirements shall be included in the report.	
(b) Each monitoring report should contain the information below:	Rule 335-3-16-.05(c)(3)
(1) For each deviation event, the following information shall be submitted:	
(i) Emission source description	
(ii) Permit requirement	
(iii) Date	
(iv) Starting time	
(v) Duration	
(vi) Actual quantity of pollutant or parameter	
(vii) Cause	
(viii) Action taken to return to compliance	
(ix) Total operating hours of the affected source during the reporting period	
(x) Total hours of deviation events during the reporting period	
(xi) Total hours of deviation events that occurred during startups, shutdowns, and malfunctions during the reporting period	

Federally Enforceable Provisos	Regulations
<p>(c) Each monitoring report shall cover no more than a calendar semiannual period and shall be submitted according to the following reporting schedule:</p> <p>(1) Reports covering January 1 through June 30 shall be submitted no later than the following July 31.</p> <p>(2) Reports covering July 1 through December 31 shall be submitted no later than the following January 31.</p>	<p>Rule 335-3-16-.05(c)(3)</p>

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Summary Page for Flares and Storage Vessels

Permitted Operating Schedule: $24 \frac{\text{hr}}{\text{day}} \times 7 \frac{\text{day}}{\text{week}} \times 52 \frac{\text{week}}{\text{yr}} = 8,760 \frac{\text{hr}}{\text{year}}$

Emission Limitations:

Emission Point No. and Description	Pollutant	Emission Limit	Regulation
All Flares in Area 2	H ₂ S	Burn gas with more than 0.10 gr/scf of H ₂ S to offsite concentration of 20 ppbv or lower	Rule 335-3-5-.03(2)
Flares at the following wells: <ul style="list-style-type: none"> • CCL&T 15-6 • CCL&T 15-8 • CCL&T 21-10 • CCL&T 21-12 • CCL&T 27-1 • CCL&T 33-4 • Overby 15-14 • Stuart 15-15 • McCreary 21-1 • Pugh 22-2 • U. L. Jones 28-7 • Jones 34-4 • CCL&T 21-4 GI 	Opacity	No more than one 6-minute average greater than 20 percent opacity AND No 6-minute averages greater than 40 percent opacity	Rule 335-3-4-.01(1)
500 Barrel Power Oil Storage Tanks at the following wells: <ul style="list-style-type: none"> • CCL&T 27-10 #1 • CCL&T 27-11 #1 • Overbey 28-14 • CCL&T 33-2 #1 	VOC	Reduce VOC emissions to atmosphere by at least 95 percent by weight	40 CFR §60.5395(d)(1)
Flares at the following wells: <ul style="list-style-type: none"> • CCL&T 27-10 #1 • CCL&T 27-11 #1 • Overbey 28-14 • CCL&T 33-2 #1 	Opacity	No visible emissions	40 CFR §60.5395(e)(1) 40 CFR §60.18(c)(1)

Provisos for Flares and Storage Vessels

Federally Enforceable Provisos	Regulations
<p>Applicability</p> <ol style="list-style-type: none"> The flares and storage tanks are subject to the requirements of ADEM Admin. Code r. 335-3-16-.03 – <i>Major Source Operating Permits</i>. The flares are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01 — <i>Control of Particulate Matter Emissions – Visible Emissions</i>. The flares are subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.03— <i>Control of Sulfur Compound Emissions – Petroleum Production</i>. The power oil storage tanks and flares at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells are subject to the applicable requirements of 40 CFR Part 60, Subpart OOOO — <i>Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification, or Reconstruction Commenced After August 23, 2011, and on or Before September 18, 2015 [OOOO]</i>. <ol style="list-style-type: none"> The power oil storage tanks and flares at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells are subject to the applicable requirements of 40 CFR Part 60, Subpart A — <i>General Provisions</i>. 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-4-.01</p> <p>Rule 335-3-5-.03</p> <p>Rule 335-3-10-.02(91) 40 CFR §60.5365 40 CFR §60.5365(e)</p> <p>Rule 335-3-10-.02(1) 40 CFR §60.5395(3)(1)(i) 40 CFR §60.5412(d) 40 CFR §60.5425</p>
<p>Emissions Standards</p> <ol style="list-style-type: none"> The flares at the CCL&T 15-6, CCL&T 15-8, CCL&T 21-10, CCL&T 21-12, CCL&T 27-1, CCL&T 33-4, Overbey 15-14, Stuart 15-15, McCreary 21-1, Pugh 22-2, U. L. Jones 28-7, CCL&T 21-4 GI, Jones 34-4 wells shall meet the opacity standards specified below: <ol style="list-style-type: none"> Except for one 6-minute period during any 60-minute period, the flares shall not discharge into the atmosphere particulate that results in an opacity greater than 20%, as determined by a 6-minute average. At no time shall the flares discharge into the atmosphere particulate that results in an opacity greater than 40%, as determined by a 6-minute average. Each process gas stream containing more than 0.10 of a grain of H₂S per scf shall not be emitted into the atmosphere unless it is properly burned to maintain the ground level concentrations of H₂S to less than twenty (20) parts per billion beyond plant property limits, averaged over a thirty (30) minute period. <ol style="list-style-type: none"> Each process gas stream that has to be vented to the atmosphere shall be captured and sent to the flares for combustion. Provided vessels or equipment are being de-pressured and/or emptied and the reduced pressure will not allow flow of the process gas stream to the combustion device, the venting to the atmosphere of any gas stream shall be allowed, but the duration of the venting shall not exceed fifteen (15) continuous minutes. Each well site shall be equipped with a flare and shall be designed such that all produced natural gas, including tank vapor, must be routed either to the flare, fuel gas system, or plant pipeline at all times. 	<p>Rule 335-3-4-.01(1)(a) Rule 335-3-16-.05(a)</p> <p>Rule 335-3-4-.01(1)(b) Rule 335-3-16-.05(a)</p> <p>Rule 335-3-5-.03(2) Rule 335-3-16-.05(a)</p>

Federally Enforceable Provisos	Regulations
<p>(d) Each flare shall be equipped, and operated, with:</p> <ul style="list-style-type: none"> (1) An air assist system (2) A spark igniter or continuous pilot light <p>(e) Natural gas shall not be emitted into the atmosphere unless it is properly burned, except when unsafe or technically infeasible, such as during the initial flowback stage of well completion.</p> <p>(f) The flares should be operated with a flame present at all times.</p> <p>3. The flares and power oil storage tanks at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells must meet the following emission standards to comply with NSPS OOOO:</p> <ul style="list-style-type: none"> (a) The flares and power oil storage tanks at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells should be in compliance with the requirements of NSPS OOOO at all times, including periods of startup, shutdown, and malfunction. <p>4. The flares at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells shall meet the following emission standards to comply with NSPS OOOO:</p> <ul style="list-style-type: none"> (a) These flares must be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions at all times, including startup, shutdown, and malfunction. (b) These flares must reduce VOC emissions from the storage vessels they control by 95.0 percent. (c) These flares must be operated in accordance with the smokeless flare requirements of 40 CFR §60.18(b). <ul style="list-style-type: none"> (1) Be designed for and operated with no visible emissions, except for a 5-minute period during any consecutive 2-hour period. (2) Operate with a flame present at all times (3) Be steam-assisted, air-assisted, or non-assisted (4) Operate at all times when emissions may be vented to it (5) Adhere to the following: <ul style="list-style-type: none"> (i) Heat content specifications in 40 CFR §60.18(c)(3)(ii) (ii) Maximum tip velocity specifications in 40 CFR §60.18(c)(4) OR The requirements of 40 CFR §60.18(c)(3)(i). 	<p>40 CFR §60.5370(b)</p> <p>40 CFR §60.5370(b)</p> <p>40 CFR §60.5395(a)(1) 40 CFR §60.5395(a)(2) 40 CFR §60.5395(b)(2) 40 CFR §60.5395(c) 40 CFR §60.5395(d) 40 CFR §60.5395(d)(1) 40 CFR §60.5415(e)(3)(i)</p> <p>40 CFR §60.5395(e)(1) 40 CFR §60.5412(d)</p> <p>40 CFR §60.18(c)(1)</p> <p>40 CFR §60.18(c)(2)</p> <p>40 CFR §60.18(c)(6)</p> <p>40 CFR §60.18(e)</p> <p>40 CFR §60.18(c)(3)</p>

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(6) These flares shall be equipped with a heat sensing monitoring device and continuous pilot flame recorder which shall be operated at all times.	40 CFR §60.18(f)(2)
(d) The power oil storage tanks at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells shall meet the following emission standards to comply with NSPS OOOO:	
(1) The following requirements apply immediately upon startup, startup of production, or return to service. A storage vessel affected facility that is reconnected to the original source of liquids is a storage vessel affected facility subject to the same requirements that applied before being removed from service. Any storage vessel that is used to replace any storage vessel affected facility is subject to the same requirements that apply to the storage vessel affected facility being replaced.	40 CFR §60.5365(e)(4)
(2) Since each storage vessel is equipped with a control device, they must also be equipped with covers that meet the requirements of 40 CFR §60.5411(b) and are connected through closed vent systems that meet the requirements of 40 CFR §60.5411(c). Emissions must be routed to control devices that meet the conditions specified in 40 CFR §60.5412(d). As an alternative to routing the closed vent systems to control devices, the closed vent systems may be routed to processes.	40 CFR §60.5395(e)(1)
(3) If one of the storage vessels is removed from service, the Permittee must comply with 40 CFR §60.5395(f)(1) through 40 CFR §60.5395(f)(3). The source that is removed from service is not an affected facility under NSPS OOOO for the period that it is removed from service.	40 CFR §60.5395(f)
(4) The Permittee must design and operate each closed vent system with no detectable emissions, as determined using olfactory, visual, and auditory inspections.	40 CFR §60.5411(c)(2)
Compliance and Performance Test Methods and Procedures	
1. Compliance with the opacity standards for the flares at the CCL&T 15-6, CCL&T 15-8, CCL&T 21-10, CCL&T 21-12, CCL&T 27-1, CCL&T 33-4, Overby 15-14, Stuart 15-15, McCreary 21-1, Pugh 22-2, CCL&T 21-4, U. L. Jones 28-7, Jones 34-4 wells shall be determined using Method 9 of 40 CFR Part 60, Appendix A-4 (Method 9).	Rule 335-3-4-.01(2) Rule 335-3-16-.05(c)(1)
(a) Method 9 shall be performed by an individual that is certified to perform it.	
(b) Method 9 shall be performed during daylight hours.	
(c) Any time Method 9 is performed, it should be documented with an ADEM Visible Emissions Observation sheet.	
2. Each process gas stream that can be sent to the flares shall be tested in accordance with the following requirements:	Rule 335-3-1-.05 Rule 335-3-16-.05(c)(1)
(a) The hydrogen sulfide (H ₂ S) content shall be determined by collecting a sample and analyzing it utilizing the Tutwiler procedures found in 40 CFR §60.648; the chromatographic analysis procedures found in ASTM E-260; the stain tube procedures found in GPA 2377-86; those provided by the stain tube manufacture.	

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<p>(b) The volatile organic compound mole percent, heat (Btu) content, and molecular weight of each process stream shall be determined by collecting a sample and analyzing it utilizing ASTM Analysis Method D1826-77; chromatographic analysis procedures found in Method 18 of Appendix A to 40 CFR Part 60.</p> <p>3. The flares at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells should demonstrate compliance with the requirements of NSPS OOOO with the following test methods:</p> <p>(a) Method 22 of 40 CFR Part 60, Appendix A-7 should be used to demonstrate compliance with the NSPS OOOO opacity standards in Proviso 4(c)(1) of the <i>Emissions Standards</i> for flares section of this permit.</p> <p>(1) Method 22 should be performed during daylight hours.</p> <p>4. The power oil storage tanks at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 should demonstrate compliance with the requirements of NSPS OOOO with the following test methods:</p> <p>(a) The procedures in 40 CFR §60.5416(c)(1) should be used to conduct olfactory, visual, and auditory inspections of closed vent systems.</p> <p>(b) The procedures in 40 CFR §60.5416(c)(2) should be used to conduct olfactory, visual, and auditory inspections of covers.</p>	<p>40 CFR §60.5395(e)(1) 40 CFR §60.5412(d) 40 CFR §60.18(f)(1)</p> <p>Rule 335-3-16-.05(c)(1)</p> <p>40 CFR §60.5416(c)</p> <p>40 CFR §60.5416(c)</p>
Emission Monitoring	
<p>1. To demonstrate compliance with the opacity standards and H₂S emission standards, the following monitoring should be performed on the flares:</p> <p>(a) Provided the flares are used to burn gas other than pilot gas, daily visible emissions inspections of the flares should be performed to determine the presence or absence of visible emissions and to ensure that the pilot light is lit.</p> <p>(b) If at any time visible emissions exceeding the opacity in Proviso 1 of the <i>Emissions Standards</i> for flares section of this Permit for the flares at the CCL&T 15-6, CCL&T 15-8, CCL&T 21-10, CCL&T 21-12, CCL&T 27-1, CCL&T 33-4, Overby 15-14, Stuart 15-15, McCreary 21-1, Pugh 22-2, U. L. Jones 28-7, Jones 34-4 wells and cannot be eliminated within 1 hour, a visible emission observation shall be conducted with Method 9.</p> <p>2. The flares should demonstrate continuous compliance with the facility-wide Anti-PSD limits by meeting the following requirements:</p> <p>(a) The H₂S content, VOC weight percent, heat (Btu) content, and molecular weight of each process stream should be tested at least once every 12 months with the methods in Compliance and Test Method Proviso 2 for the flares.</p> <p>(b) The inlet feed volume to all flares shall be continuously monitored.</p> <p>3. The flares and power oil tanks at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells shall meet the following continuous compliance requirements to comply with NSPS OOOO:</p>	<p>Rule 335-3-4-.01(2) Rule 335-3-16-.05(c)(1)(i)</p> <p>Rule 335-3-14-.04 [Anti-PSD] Rule 335-3-16-.05(c)(1)(i)</p> <p>40 CFR §60.5395(g) 40 CFR §60.5395(g)(2) 40 CFR §60.5415(e) 40 CFR §60.5415(e)(3) 40 CFR §60.5415(e)(3)(ii)</p>

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<p>(a) The following requirements must be met for the flares:</p> <p>(1) You must conduct inspections of the flares at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells at least once every calendar month according to 40 CFR §60.5417(h)(1)(i) through 40 CFR §60.5417(h)(1)(iv). Monthly inspections must be separated by at least 14 calendar days.</p> <p>(2) Each of the flares at the CCL&T 27-10 #1, CCL&T 27-11 #1, Overbey 28-14, and CCL&T 33-2 #1 wells must be operated following the manufacturer's written operating instructions, procedures and maintenance schedule to ensure good air pollution control practices for minimizing emissions</p> <p>(b) The following requirements must be met for the closed vent systems:</p> <p>(1) The permittee must comply with 40 CFR §60.5416(c) for each cover and closed vent system</p> <p>(2) If you install a control device, you must inspect each closed vent system according to the schedule specified in 40 CFR §60.5416(c)(1) and inspect each cover according to the schedule specified in 40 CFR §60.5416(c)(2). You must also comply with the requirements of 40 CFR §60.5416(c)(4) through 40 CFR §60.5416(c)(7) for repairs, delays of repair, unsafe to inspect requirements, and difficult to inspect requirements.</p>	<p>40 CFR §60.5417(h)</p> <p>40 CFR §60.5415(e)(3)(ii)(B)</p> <p>40 CFR §60.5417(h)(1)</p> <p>40 CFR §60.5417(h)(3)</p> <p>40 CFR §60.5415(e)(3)(ii)(A)</p> <p>40 CFR §60.5416(c)</p>
Recordkeeping and Reporting Requirements	
<p>1. Records of the following information shall be maintained and made available for inspection for a period of at least five years:</p> <p>(a) Records of each daily inspection required by Emission Monitoring Proviso 1(a) for the flares and any required visible emission observations should be recorded. Each daily inspection record should include the results of the visible emissions check and the results of the pilot light check.</p> <p>(b) A copy of each gas analysis required by Emission Monitoring Proviso 2(a) for the flares.</p> <p>(c) Monthly records of the amount of gas burned in each flare in Mscf per month</p> <p>(d) Monthly records of the heat burned in each flare in million Btu (MMBtu) per month</p> <p>(e) Monthly NO_x, CO, VOC, and SO₂ emissions in tons per month and tons per rolling 12-months.</p> <p>(f) The date, starting time, and duration of each deviation or exceedance of the permit requirements along with the cause and corrective actions taken.</p> <p>2. The following records should be maintained to demonstrate compliance with the requirements of NSPS OOOO.</p>	<p>Rule 335-3-16-.05(c)(2)</p> <p>Rule 335-3-16-.05(c)(2)</p> <p>Rule 335-3-16-.05(c)(2)</p> <p>Rule 335-3-16-.05(c)(2)</p> <p>Rule 335-3-16-.05(c)(2)</p> <p>Rule 335-3-16-.05(c)(2)</p>

Federally Enforceable Provisos	Regulations
<p>(a) For each storage vessel affected facility subject to the control device requirements of 40 CFR §60.5412(d), you must maintain records of the inspections, including any corrective actions taken, the manufacturers' operating instructions, procedures and maintenance schedule as specified in 40 CFR §60.5417(h). You must maintain records of Method 22 of Appendix A to 40 CFR Part 60 results, which include: company, location, company representative (name of the person performing the observation), sky conditions, process unit (type of control device), clock start time, observation period duration (in minutes and seconds), accumulated emission time (in minutes and seconds), and clock end time. You may create your own form including the above information or use Figure 22-1 in EPA Method 22, 40 CFR Part 60, Appendix A. Manufacturer's operating instructions, procedures and maintenance schedule must be available for inspection.</p>	<p>40 CFR §60.5417(h) 40 CFR §60.5417(h)(3) 40 CFR §60.5420(c)(13)</p>
<p>(b) The permittee must maintain the records identified as specified in 40 CFR §60.7(f) and in 40 CFR §60.5420(c)(5) through 40 CFR §60.5420(c)(7), 40 CFR §60.5420(c)(13), and 40 CFR §60.5420(c)(14). All records required by NSPS OOOO must be maintained either onsite or at the nearest local field office for at least 5 years.</p>	<p>40 CFR §60.5395(g) 40 CFR §60.5395(g)(3) 40 CFR §60.5420(c)</p>
<p>3. The permittee must submit annual reports containing the information specified in 40 CFR §60.5420(b)(1) and 40 CFR §60.5420(b)(6) to the Department. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in 40 CFR §60.5420(b)(1) and 40 CFR §60.5420(b)(6).</p>	<p>40 CFR §60.5395(g) 40 CFR §60.5395(g)(3) 40 CFR §60.5420(b)</p>
<p>(a) The annual NSPS OOOO report should be submitted according to the same schedule as the annual NSPS OOOOa report for Collections of Fugitive Emissions Components at Well Sites. The combined report should cover January 1 through December 31 and shall be submitted no later than the following February 28.</p>	
<p>4. Monitoring reports meeting the requirements specified below shall be submitted to the Department to demonstrate compliance with General Proviso No. 21(a) of this Permit.</p>	<p>Rule 335-3-16-.05(c)(3)</p>
<p>(a) Each report shall identify each incidence of deviation from a permit term or condition including those that occur during startups, shutdowns, and malfunctions.</p>	
<p>(1) A deviation shall mean any condition determined by observation, by data collected by any continuous monitoring system or periodic monitoring required by the permit that can be used to indicate compliance, that identifies an affected source may have failed to meet an applicable emission limit or standard or that a work practice was not complied with or completed.</p>	
<p>(2) If no deviation events occurred during the reporting period, a statement that indicates there were no deviations from the permit requirements shall be included in the report.</p>	
<p>(b) Each monitoring report should contain the information below:</p>	
<p>(1) For each deviation event, the following information shall be submitted:</p>	

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> (i) Emission source description (ii) Permit requirement (iii) Date (iv) Starting time (v) Duration (vi) Actual quantity of pollutant or parameter (vii) Cause (viii) Action taken to return to compliance (ix) Total operating hours of the affected source during the reporting period (x) Total hours of deviation events during the reporting period (xi) Total hours of deviation events that occurred during startups, shutdowns, and malfunctions during the reporting period <p>(c) Each monitoring report shall cover no more than a calendar semiannual period and shall be submitted according to the following reporting schedule:</p> <ul style="list-style-type: none"> (1) Reports covering January 1 through June 30 shall be submitted no later than the following July 31. (2) Reports covering July 1 through December 31 shall be submitted no later than the following January 31. 	

Summary Page for Collections of Fugitive Emissions Components at Well Sites

Permitted Operating Schedule: $24 \frac{hr}{day} \times 7 \frac{day}{week} \times 52 \frac{week}{yr} = 8,760 \frac{hr}{year}$

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission Limit	Regulation
Fugitives	The collection of fugitive emissions components located at the CCL&T 33-4 #1 wellsite	VOC	500 ppm of VOC as measured by Method 21 of Appendix A-7 to 40 CFR 60 or any visible emissions detected with optical gas imaging	40 CFR §60.5397a(a)

Provisos for Collections of Fugitive Emissions Components at Well Sites

Federally Enforceable Provisos	Regulations
<p>Applicability</p> <ol style="list-style-type: none"> The collections of fugitive emission components at well sites are subject to the requirements of ADEM Admin. Code r. 335-3-16-.03 – <i>Major Source Operating Permits</i>. The collection of fugitive emissions components at the CCL&T 33-4 #1 wellsite is subject to the requirements of 40 CFR Part 60, Subpart OOOOa — <i>Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification or Reconstruction Commenced After September 18, 2015 and On or Before December 6, 2022</i> (NSPS OOOOa). <ol style="list-style-type: none"> The collection of fugitive emissions components at the CCL&T 33-4 #1 wellsite is subject to the requirements of 40 CFR Part 60, Subpart A — <i>General Provisions</i>, as specified in 40 CFR §60.5425a and Table 3 to Subpart OOOOa of 40 CFR Part 60. 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-10-.02(91a) 40 CFR §60.5365a 40 CFR §60.5365a(i)</p> <p>Rule 335-3-10-.02(1) 40 CFR §60.5425a</p>
<p>Emissions Standards</p> <ol style="list-style-type: none"> The facility shall maintain any affected facilities in a manner consistent with good air pollution control practices for minimizing emissions. The affected facilities must remain in compliance with the requirements of NSPS OOOOa during periods of startup, shutdown, and malfunction. The provisions for exemption from compliance during periods of startup, shutdown, and malfunctions provided in 40 CFR §60.8(c) do not apply to NSPS OOOOa. The collection of fugitive emissions components at the CCL&T 33-4 #1 wellsite shall meet the requirements of NSPS OOOOa to reduce VOC emissions by complying with the requirements of 40 CFR §60.5397a(a) through 40 CFR §60.5397a(j) of NSPS OOOOa. <ol style="list-style-type: none"> Fugitive emissions are defined as any visible emission from a fugitive emissions component observed using optical gas imaging or an instrument reading of five hundred (500) parts per million (ppm) or greater using Method 21 of Appendix A-7 to Part 60. Fugitive emissions components must be repaired as described in 40 CFR §60.5397a(h). 	<p>40 CFR §60.5370a(b)</p> <p>40 CFR §60.5397a 40 CFR §60.5397a(a) 40 CFR §60.5397a(a)(1)</p>
<p>Compliance and Performance Test Methods and Procedures</p> <ol style="list-style-type: none"> Compliance with NSPS OOOOa shall be demonstrated by using one of the following test methods and procedures to monitor fugitive emission sources at the CCL&T 33-4 #1 wellsite for leaks. <ol style="list-style-type: none"> Method 21 of Appendix A-7 to 40 CFR Part 60 Optical gas imaging meeting the requirements in 40 CFR §60.5397a(c)(7)(i) through 40 CFR §60.5397a(c)(7)(vii) 	<p>40 CFR §60.5397a(a)(1) 40 CFR §60.5397a(c)(2)</p>
<p>Emission Monitoring</p> <ol style="list-style-type: none"> Periodic monitoring surveys must be conducted as required in 40 CFR §60.5397a(g). 	<p>40 CFR §60.5397a(a)(1) 40 CFR §60.5397a(g) 40 CFR §60.5415a(h)</p>

Federally Enforceable Provisos	Regulations
<p>2. Each identified source of fugitive emissions must be repaired as described in 40 CFR §60.5397a(h).</p>	<p>40 CFR §60.5415a(h)(1) 40 CFR §60.5397a(a)(1) 40 CFR §60.5397a(h) 40 CFR §60.5415a(h) 40 CFR §60.5415a(h)(2)</p>
<p>Recordkeeping and Reporting Requirements</p>	
<p>1. The following recordkeeping requirements must be met to demonstrate compliance with NSPS OOOOa:</p> <p>(a) The permittee must maintain the records specified in 40 CFR §60.7(f) and in 40 CFR §60.5420a(c)(15) for the collection of fugitive emissions components at the CCL&T 33-4 #1 wellsite.</p> <p>(b) All records required by NSPS OOOOa must be maintained either onsite or at the nearest local field office for at least 5 years</p> <p>(c) Any records required to be maintained by NSPS OOOOa that are submitted electronically via the EPA's CDX may be maintained in electronic format</p> <p>2. The following reporting requirements must be met to demonstrate compliance with NSPS OOOOa:</p> <p>(a) The permittee must submit annual reports containing the information specified in 40 CFR §60.5420a(b)(1), 40 CFR §60.5420a(b)(7), and 40 CFR §60.5420a(b)(12) for the collection of fugitive emissions at the wellsite.</p> <p>(b) Reports covering January 1 through December 31 shall be submitted no later than the following February 28.</p> <p>3. Monitoring reports meeting the requirements specified below shall be submitted to the Department to demonstrate compliance with General Proviso No. 21(a) of this Permit.</p> <p>(a) Each report shall identify each incidence of deviation from a permit term or condition including those that occur during startups, shutdowns, and malfunctions.</p> <p>(1) A deviation shall mean any condition determined by observation, by data collected by any continuous monitoring system or periodic monitoring required by the permit that can be used to indicate compliance, that identifies an affected source may have failed to meet an applicable emission limit or standard or that a work practice was not complied with or completed.</p> <p>(2) If no deviation events occurred during the reporting period, a statement that indicates there were no deviations from the permit requirements shall be included in the report.</p> <p>(b) Each monitoring report should contain the information below:</p> <p>(1) For each deviation event, the following information shall be submitted:</p>	<p>40 CFR §60.5397a(a)(1) 40 CFR §60.5397a(i) 40 CFR §60.5415a(h) 40 CFR §60.5415a(h)(3) 40 CFR §60.5420a(c)</p> <p>40 CFR §60.5420a(c)</p> <p>40 CFR §60.5420a(c)</p> <p>40 CFR §60.5397a(a)(1) 40 CFR §60.5397a(j) 40 CFR §60.5420a(b) 40 CFR §60.5415a(h) 40 CFR §60.5415a(h)(4)</p> <p>40 CFR §60.5420a(b)</p> <p>Rule 335-3-16-.05(c)(3)</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> (i) Emission source description (ii) Permit requirement (iii) Date (iv) Starting time (v) Duration (vi) Actual quantity of pollutant or parameter (vii) Cause (viii) Action taken to return to compliance (ix) Total operating hours of the affected source during the reporting period (x) Total hours of deviation events during the reporting period (xi) Total hours of deviation events that occurred during startups, shutdowns, and malfunctions during the reporting period <p>(c) Each monitoring report shall cover no more than a calendar semiannual period and shall be submitted according to the following reporting schedule:</p> <ul style="list-style-type: none"> (1) Reports covering January 1 through June 30 shall be submitted no later than the following July 31. (2) Reports covering July 1 through December 31 shall be submitted no later than the following January 31. 	