



MAJOR SOURCE OPERATING PERMIT

Permittee: **PowerSouth Energy Cooperative**
Facility Name: **McWilliams Power Plant**
Facility No.: 603-0001
Location: Andalusia, Covington County, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, 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*

Expiration Date: *DRAFT*

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General Permit Provisos

Federally Enforceable Provisos**Regulations****1. Transfer**

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.

Rule 335-3-16-.02(6)

2. Renewals

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.

Rule 335-3-16-.12(2)

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.

3. Severability Clause

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, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.

Rule 335-3-16-.05(e)

4. Compliance

(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 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.

Rule 335-3-16-.05(f)

(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.

Rule 335-3-16-.05(g)

5. Termination for Cause

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<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>	Rule 335-3-16-.05(h)
<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>	Rule 335-3-16-.05(i)
<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>	Rule 335-3-16-.05(j)
<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>	Rule 335-3-16-.05(k)
<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>	Rule 335-3-16-.07(a)
<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</p>	Rule 335-3-16-.07(b)

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<p>shall be deemed to be incorporated into this permit.</p> <p>(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.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<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>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (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> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>(2) The expected length of time that the air pollution control equipment will be out of service;</p> <p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p> <p>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the</p>	<p>Rule 335-3-1-.07(1), (2)</p>

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<p>following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <ol style="list-style-type: none"> (1) 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; (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; <p>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. Alternative methods shall be approved by the Department prior to utilization.</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>20. <u>Recordkeeping Requirements</u></p> <ol style="list-style-type: none"> (a) Records of required monitoring information of the source shall include the following: <ol 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; 	<p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>Rule 335-3-16-.13 and .14</p> <p></p> <p>Rule 335-3-16-.05(c)2</p>

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any or all persons who may request to see it.	
<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 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>	Rule 335-3-1-.10
<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% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, 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>	Rule 335-3-4-.03 Rule 335-3-5-.01
<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>Emissions Inventory Reporting Requirements</u></p>	

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In order to meet the statewide emissions inventory reporting requirements under 40 CFR 51, Appendix A, the Permittee shall comply with the reporting requirements under ADEM Admin. Code R. 335-3-1-.15.	Rule 335-3-1-.15

Summary Page for 106 MW Natural Gas/Distillate Fuel Oil Fired Combustion Turbine with a 83.3 MMBtu/hr Natural Gas Fired Duct Burner and Heat Recovery Steam Generator

Permitted Operating Schedule: 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
004	McWilliams Unit 4	NO _x from the Combustion Turbine during non-peak load operation	25 ppmv and 118 lb/hr while firing natural gas in premix mode 42 ppmv and 198 lb/hr while firing natural gas in the diffusion mode 65 ppmv and 307 lb/hr while firing fuel oil	Rule 335-3-14-.04 BACT
004	McWilliams Unit 4	NO _x from the Combustion Turbine during peak load operation	42 ppmv while firing natural gas 88 ppmv while firing fuel oil	Rule 335-3-14-.04 BACT
004	McWilliams Unit 4	NO _x	CT: 75 ppmv with an upward adjustment for heat rate and fuel bound nitrogen	40 CFR 60, Subpart GG
004	McWilliams Unit 4	NO _x	DB: 0.1 lb/MMBtu & 8.3 lb/hr	Rule 335-3-14-.04 BACT
004	McWilliams Unit 4	SO ₂	0.05% Sulfur content of fuel oil 150 ppmvd at 15% O ₂ or 0.8% Sulfur content for all fuels	Rule 335-3-14-.04 (Anti-PSD) 40 CFR 60, Subpart GG
004	McWilliams Unit 4	CO	CT: 100 ppmvd & 194 lb/hr DB: 0.08 lb/MMBtu & 6.6 lb/hr	Rule 335-3-14-.04 BACT
004	McWilliams Unit 4	VOC	CT: 15 ppmvd & 21.5 lb/hr DB: 0.03 lb/MMBtu & 2.5 lb/hr	Rule 335-3-14-.04 BACT
004	McWilliams Unit 4	PM	CT – Natural Gas: 0.013 lb/MMBtu & 16.7 lb/hr CT – Fuel Oil: 0.017 lb/MMBtu & 22.1 lb/hr DB: 0.015 lb/MMBtu & 1.3 lb/hr	Rule 335-3-14-.04 BACT
004	McWilliams Unit 4	Opacity	10%	Rule 335-3-14-.04 BACT

**Provisos for 106 MW Natural Gas/Distillate Fuel Oil Fired
Combustion Turbine with a 83.3 MMBtu/hr Natural Gas Fired
Duct Burner and Heat Recovery Steam Generator**

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16, “Major Source Operating Permits.”	Rule 335-3-16
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, “Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration].”	Rule 335-3-14-.04
3. This source has enforceable limits in place in order 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]” for SO ₂ .	Rule 335-3-14-.04 Anti-PSD
4. The duct burner associated with this unit is subject to the provisions of 40 CFR 60 Subpart Dc – Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.	Rule 335-3-10-.02(2)(c) 40 CFR 60 Subpart Dc
5. The combustion turbine associated with this unit is subject to the provisions of 40 CFR 60 Subpart GG – Standards of Performance for Stationary Gas Turbines.	Rule 335-3-10-.02(33) 40 CFR 60 Subpart GG
6. This source is subject to the applicable requirements of Subpart A, the General Provision of 40 CFR Part 60.	Rule 335-3-10-.02(1)
7. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions are incorporated as enforceable conditions of this permit.	Rule 335-3-16-.05(a)2
8. This source subject to the Acid Rain Rules contained in Rule 335-3-18 and 40 CFR Part 72 and 75. The applicable Acid Rain Permit is contained in the Acid Rain portion of this Operating Permit.	Rule 335-3-18 and 40 CFR Parts 72 and 75
9. These sources are subject to the applicable provisions of the Cross-State Air Pollution Rule found in ADEM Admin. Code r. 335-3-5-.06 through 335-3-5-.36 and ADEM Admin. Code r. 335-3-8-.07 through 335-3-8-.70.	Rules 335-3-5-.06 through 335-3-5-.36 and Rules 335-3-8-.07 through 335-3-8-.70

Federally Enforceable Provisos**Regulations**Emission Standards

<p>1. Except during peak load operation the nitrogen oxides emissions from the combined combustion turbine/duct burner stack shall not exceed 25 ppmvd at 15% O₂ & 118 lbs/hr when burning natural gas in the premix mode, 42 ppmvd at 15% O₂ & 198 lb/hr when burning natural gas in the diffusion mode and 65 ppmvd at 15% O₂ & 307 lb/hr when burning fuel oil.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>2. During peak load operation the nitrogen oxide emission rate from the combined combustion turbine/duct burner stack shall not exceed 42 ppmvd at 15% O₂ when burning natural gas and 88 ppmvd at 15% O₂ when burning fuel oil.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>3. The nitrogen oxide emission rate from the duct burner shall not exceed 0.1 lb/MMBtu and 8.3 lbs/hr.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>4. The carbon monoxide emission rate from the combined combustion turbine/duct burner stack shall not exceed 100 ppmvd at 15% O₂ and 194 lbs/hr when firing natural gas or distillate fuel oil.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>5. The carbon monoxide emission rate from the duct burner shall not exceed 0.08 lb/MMBtu and 6.6 lbs/hr.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>6. The volatile organic compound emission rate from the combined combustion turbine/duct burner stack shall not exceed 15 ppmvd at 15% O₂ and 21.5 lbs/hr when firing natural gas or distillate fuel oil.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>7. The volatile organic compound emission rate from the duct burner shall not exceed 0.03 lb/MMBtu and 2.5 lbs/hr.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>8. The particulate matter emission rate from the combined combustion turbine/duct burner stack shall not exceed 0.013 lb/MMBtu and 16.7 lbs/hr when burning natural gas and 0.017 lb/MMBtu and 22.1 lb/hr when burning fuel oil.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>9. The particulate matter emission rate from the duct burner shall not exceed 0.015 lb/MMBtu and 1.3 lb/hr.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>
<p>10. Visible emission from the combined combustion turbine/duct burner stack shall not exceed 10% opacity.</p>	<p>Rule 335-3-14-.04(9)(b) BACT</p>

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11. The emission limits in Emission Standard conditions 1 through 5 and 8 through 10 apply at all times except during startup, shutdown, and load change as defined below, and during turbine fuel transfer from natural gas to distillate fuel oil or from distillate fuel oil to natural gas.

Startup: The period from when the combustion turbine is started until it reaches the minimum load last approved by the Department. This period shall be readily identifiable on the load chart recording.

Shutdown: The period from when the combustion turbine is shutting down from the minimal load last approved by the Department to 0% load. This period shall be readily identifiable on the load chart recording.

Load Change: A rapid change in the electrical loading of a unit that is readily identifiable on a load chart recording.

12. Except for periods of startup and shutdown, this source may operate at the lowest load for which the unit has been verified by compliance tests to meet the emission standards for carbon monoxide, nitrogen oxides, and volatile organic compounds, provided that ambient air modeling confirming that all ambient air standards would be met at the load tested has been completed. The Department must approve in writing of any change to the lowest load of the unit prior to operating at such load.

13. The combustion turbine shall fire only natural gas and distillate fuel oil. The sulfur content of the distillate fuel oil shall not exceed 0.05% by weight. The duct burner shall fire only natural gas.

Rule 335-3-14-.03(1)(h)

Rule 335-3-14-.04
BACT

Rule 335-3-14-.04(9)(b)
Anti-PSD

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<p>14. The Nitrogen Oxides emission limit when burning a mixture of natural gas and fuel oil will be computed using the following formula:</p> $E = \frac{(H_g)(E_g) + (H_o)(E_o)}{H_g + H_o}$ <p>Where</p> <p>E = NO_x emission limit (ppm)</p> <p>H_g = Heat input from natural gas (Btu)</p> <p>E_g = Natural gas emission limit (ppm)</p> <p>H_o = Heat input from fuel oil (Btu)</p> <p>E_o = Fuel oil emission limit (ppm)</p>	<p>Rule 335-3-14-.04(9)(b)</p>
<p>15. Nitrogen Oxides emissions from the combustion turbine shall not exceed 75 ppmv adjusted for heat rate and fuel bound nitrogen, based upon 4-hour rolling averages.</p>	<p>Rule 335-3-10-.02(33) 40 CFR 60 Subpart GG</p>
<p>16. Sulfur dioxide emissions from the combustion turbine shall not exceed 0.015 percent by volume on a dry basis at 15% oxygen or the sulfur content of all fuels burned in the combustion turbines shall not exceed 0.8% by weight.</p>	<p>Rule 335-3-10-.02(33) 40 CFR 60 Subpart GG</p>
<p>17. Sulfur dioxide emissions from the duct burner shall not exceed 0.20 lb/MMBtu.</p>	<p>Rule 335-3-10-.02(2)(a) 40 CFR 60 Subpart Da</p>
<p>18. The combustion turbine shall not burn more than 8500 x 10⁶ scf of natural gas and no more than 7.66 x 10⁶ gallons of fuel oil in any consecutive 12-month period. The duct burner shall not burn more than 500 x 10⁶ scf of natural gas in any consecutive 12-month period.</p>	<p>Rule 335-3-14-.04 BACT</p>
<p>19. Emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder are prohibited.</p>	<p>Rule 335-3-16-.05(d)</p>
<p><u>Compliance and Performance Test Methods and Procedures</u></p>	
<p>1. Compliance with the Nitrogen Oxides emissions standards shall be determined by EPA Reference Method 20 as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department.</p>	<p>Rule 335-3-1-.05</p>
<p>2. Compliance with the Carbon Monoxide emissions standards shall be determined by EPA Reference Method 10 as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department.</p>	<p>Rule 335-3-1-.05</p>

Federally Enforceable Provisos

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| 3. Compliance with the Volatile Organic Compounds emissions standards shall be determined by EPA Reference Method 25, 25A, or 25B, as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 4. Compliance with the particulate emissions standards shall be determined by EPA Reference Method 5 or 17, as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 5. Compliance with the sulfur dioxide emissions standards shall be determined by 40 CFR 75, Appendix D or by EPA Reference Method 6, 6A, or 6B, as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 6. Compliance with the fuel sulfur content limits shall be determined by ASTM D129-91, D1552-90, D2622-92, D4294-90, D 1072-80 or 90 (Reapproved 1994), D 3031-81, D 40840-82 or 94, or D 3246-81, 92, or 96, or the latest editions or test methods approved by 40 CFR Part 75 (as currently incorporated or as amended). Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 7. Compliance with the opacity standards shall be determined by EPA Reference Method 9 as found in Appendix A of 40 CFR 60. | Rule 335-3-1-.05 |

Emission Monitoring

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| 1. The continuous emissions monitoring system (CEMS) to measure nitrogen oxide emissions shall continue to be operated at a location approved by the Director. The nitrogen oxide emission rate shall be monitored using a rolling three-hour average computed by the continuous emission monitor system. The CEMS shall meet the specifications and procedures of 40 CFR Part 75 and will be certified and maintained in accordance with 40 CFR Part 75. | Rule 335-3-14-.04
BACT
40 CFR 75 |
| 2. In lieu of the SO ₂ monitoring requirements as found in 40 CFR 60.334, the procedures found in Appendix D of 40 CFR 75 may be used. | 40 CFR 75.11 |

Federally Enforceable Provisos**Regulations**Recordkeeping and Reporting Requirements

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| 1. Records which document monthly and rolling 12-month total natural gas and fuel oil usage shall be maintained in a form suitable for inspection, shall be maintained for a period of at least five years following said recording, and shall be made available upon request. | Rule 335-3-14-.04 |
| 2. Records documenting the sulfur content of the fuel burned in this unit shall be kept at the facility in a form suitable for inspection for a period of at least five years following said recording. | Rule 335-3-16-.05(c) |
| 3. Records documenting the load (MW) at which the turbine was operated (1-hour averages) and the mode in which it was operated (premix, diffusion) shall be kept at the facility in a form suitable for inspection for a period of at least five years following said recording. | Rule 335-3-16-.05(c) |
| 4. An excess emissions report for the combined turbine/duct burner stack as defined by 40 CFR Part 60 , Subpart A, §60.7(c) and (d), shall be submitted to the Department within thirty days of the end of each calendar quarter in the following format: | Rule 335-3-16-.05(c) |

NO_x

- A. Source Operating Time (all times and periods in hours)
- B. Time Monitoring System was Able to Record Source Performance *
- C. Monitor Availability (%) = $B/A \times 100$
- D. Total Excess Emission Periods where the CEM data may indicate emissions above standards **
- E. Overall Source Performance (%) = $[(B - D)/B] \times 100$
- F. Exempt Periods (as applicable) - F(x)
 - F1 = Startup/Shutdown
 - F2 = Load Change
- G. Net Excess Emissions – $G(x) = D - F(x)$

Federally Enforceable Provisos**Regulations**

- H. Net Source Performance (%) - H(x):

$$= [1 - (G(x)/(B - F(x)))] \times 100$$

$$= [(B - F(x) - G(x))/(B - F(x))] \times 100$$
- I. Overall Exceedances (%) - Percent of time above the standard due to all reasons:

$$= (D/B) \times 100$$
- J. Net Exceedances (%) - Percent of time above the standard due to non-exempt reasons:

$$= [(B - F_{(x)}) / B] \times 100$$
- K. Exempt Period Exceedances (%) – Percent of time above the standard due to an exempted reason

$$SU/SD = (F_1/B) \times 100$$

$$Load Change = (F_2/B) \times 100$$

* Information identifying each period during which the monitoring systems were inoperative (except for zero and span checks) and the nature of the system repairs or adjustments will be maintained and made available upon request.

** Report date, time duration, magnitude, cause and corrective action taken for each occurrence. NO_x emissions rate (lb/MMBtu) will be computed as a 3-hour rolling average.

NOTE: Data recorded during periods of system breakdowns, repairs, adjustments, and calibration checks shall not be included in any of the above data averages.

NOTE: Equations used to convert NO_x emission data as monitored to the required reporting standard (lb/MMBtu or ppm) will be provided with the first quarter report of each calendar year.

NOTE: The annual average emission rate of NO_x in lb/MMBtu and total heat input (MMBtu) loaded to this unit will be reported with the 4th quarter report.

5. The facility shall comply with the recordkeeping and reporting requirements of CSAPR. Rules 335-3-5-.31, 335-3-5-.35, 335-3-8-.33, 335-3-8-.37, 335-3-8-.65, and 335-3-8-.69.

Rules 335-3-5-.31, 335-3-5-.35, 335-3-8-.33, 335-3-8-.37, 335-3-8-.65, and 335-3-8-.69

Acid Rain Requirements

1. This unit is subject to the Acid Rain rules contained in Rule 335-3-18 and 40 CFR Parts 72, 73 and 75. Applicable Acid

Rule 335-3-18
40 CFR Parts 72, 73

Federally Enforceable Provisos**Regulations**

Rain permits are contained in the Acid Rain portion of this Operating Permit.

and 75

CSAPR Requirements

1. These units are subject to the applicable provisions of Cross-State Air Pollution Rule(CSAPR) to include all applicable provisions of the SO₂ Group 2 Trading Program requirements.
2. These units are subject to the applicable provisions of Cross-State Air Pollution Rule(CSAPR) to include all applicable provisions of the NO_x Annual Trading Program requirements.

Rules 335-3-5-.06 through 335-3-5-.36

Rules 335-3-8-.06 through 335-3-8-.70

Summary Page for Two (2) 166 MW Natural Gas Fired Combustion Turbines each with Heat Recovery Steam Generators and Selective Catalytic Reduction (SCR)

Permitted Operating Schedule: 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
006A 006B	Vann Units 1 & 2	NO _x	0.013 lb/MMBtu & 26.2 lb/hr	Rule 335-3-14-.04 BACT
006A 006B	Vann Units 1 & 2	NO _x	75 ppmv with an upward adjustment for heat rate and fuel bound nitrogen	40 CFR 60, Subpart GG
006A 006B	Vann Units 1 & 2	SO ₂	Natural Gas Only 150 ppmvd at 15% O ₂ or 0.8% Sulfur content	Rule 335-3-14-.04 BACT 40 CFR 60, Subpart GG
006A 006B	Vann Units 1 & 2	CO	0.04 lb/MMBtu & 80.72 lb/hr	Rule 335-3-14-.04 BACT
006A 006B	Vann Units 1 & 2	VOC	0.004 lb/MMBtu & 8.37 lb/hr	Rule 335-3-14-.04 BACT
006A 006B	Vann Units 1 & 2	PM	0.012 lb/MMBtu & 22.2 lb/hr	Rule 335-3-14-.04 BACT
006A 006B	Vann Units 1 & 2	Opacity	10%	Rule 335-3-14-.04 BACT

Provisos for Two (2) 166 MW Natural Gas Fired Combustion Turbines each with Heat Recovery Steam Generators and Selective Catalytic Reduction (SCR)

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16, "Major Source Operating Permits."	Rule 335-3-16
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	Rule 335-3-14-.04
3. The combustion turbines associated with these units are subject to the provisions of 40 CFR 60 Subpart GG – Standards of Performance for Stationary Gas Turbines.	Rule 335-3-10-.02(33) 40 CFR 60 Subpart GG
4. These sources are subject to the applicable requirements of Subpart A, the General Provision of 40 CFR Part 60.	Rule 335-3-10-.02(1)
5. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions are incorporated as enforceable conditions of this permit.	Rule 335-3-16-.05(a)2
6. These sources are subject to the Acid Rain Rules contained in Rule 335-3-18 and 40 CFR Part 72 and 75. The applicable Acid Rain Permit is contained in the Acid Rain portion of this Operating Permit.	Rule 335-3-18 and 40 CFR Parts 72 and 75
7. These sources are subject to the applicable provisions of the Cross-State Air Pollution Rule found in ADEM Admin. Code r. 335-3-5-.06 through 335-3-5-.36 and ADEM Admin. Code r. 335-3-8-.07 through 335-3-8-.70.	Rules 335-3-5-.06 through 335-3-5-.36 and Rules 335-3-8-.07 through 335-3-8-.70
<u>Emission Standards</u>	
1. Nitrogen oxides emissions from each combustion turbine shall not exceed 0.013 lb/MMBtu and 26.2 lb/hr.	Rule 335-3-14-.04(9)(b) BACT
2. Carbon monoxide emissions from each combustion turbine shall not exceed 0.04 lb/MMBtu and 80.72 lb/hr.	Rule 335-3-14-.04(9)(b) BACT
3. Volatile organic compounds emissions from each combustion turbine shall not exceed 0.004 lb/MMBtu and 8.37 lbs/hr.	Rule 335-3-14-.04(9)(b) BACT
4. Particulate matter emissions from each combustion turbine shall not exceed 0.012 lb/MMBtu and 22.2 lbs/hr.	Rule 335-3-14-.04(9)(b) BACT

Federally Enforceable Provisos

Regulations

5. Visible emission from each combustion turbine stack shall not exceed 10% opacity.

Rule 335-3-14-.04(9)(b)
BACT

6. The emission standards in Provisos 1, 2, 4 and 5 above apply at all times except during periods of startup, shutdown, and load change.

Rule 335-3-14-.03(1)(h)

Startup: The period from when the combustion turbine is started until it reaches the minimum load last approved by the Department. This period shall be readily identifiable on the load chart recording.

Shutdown: The period from when the combustion turbine is shutting down from the minimal load last approved by the Department to 0% load. This period shall be readily identifiable on the load chart recording.

Load Change: A rapid change in the electrical loading of a unit that is readily identifiable on a load chart recording.

All emissions from these units should be minimized to the greatest extent possible during load change, startup, and shutdown of the units.

1. Each combustion turbine unit may operate at the lowest load for which the unit has been verified by compliance tests to meet the emission standards for carbon monoxide, nitrogen oxides, and volatile organic compounds, provided that ambient air modeling confirming that all ambient air standards would be met at the load tested has been completed. The Department must approve in writing of any change to the lowest load of the unit prior to operating at such load.

Rule 335-3-14-.03(1)(h)

2. Each combustion turbine unit shall fire only natural gas.

Rule 335-3-14-.04(9)(b)
BACT

3. Nitrogen Oxides emissions from each combustion turbine unit shall not exceed 75 ppmv adjusted for heat rate and fuel bound nitrogen, based upon 4-hour rolling averages.

Rule 335-3-10-.02(33)
40 CFR 60 Subpart GG

4. Sulfur dioxide emissions from the each combustion turbine unit shall not exceed 0.015 percent by volume on a dry basis at 15% oxygen or the sulfur content of all fuels burned in the combustion turbines shall not exceed 0.8% by weight.

Rule 335-3-10-.02(33)
40 CFR 60 Subpart GG

5. Emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder are prohibited.

Rule 335-3-16-.05(d)

Federally Enforceable Provisos**Regulations**Compliance and Performance Test Methods and Procedures

- | | |
|---|------------------|
| 1. Compliance with the Nitrogen Oxides emissions standards shall be determined by EPA Reference Method 20 as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 2. Compliance with the Carbon Monoxide emissions standards shall be determined by EPA Reference Method 10 as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 3. Compliance with the Volatile Organic Compounds emissions standards shall be determined by EPA Reference Method 25, 25A, or 25B, as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 4. Compliance with the particulate emissions standards shall be determined by EPA Reference Method 5 or 17, as found in Appendix A of 40 CFR 60. Alternate methods may be utilized if approved in advance by the Department. | Rule 335-3-1-.05 |
| 5. Compliance with the opacity standards shall be determined by EPA Reference Method 9 as found in Appendix A of 40 CFR 60. | Rule 335-3-1-.05 |

Emission Monitoring

- | | |
|---|--|
| 1. The continuous emissions monitoring system (CEMS) to measure nitrogen oxide emissions shall continue to be operated at a location approved by the Director. The nitrogen oxide emission rate shall be monitored using a rolling three-hour average computed by the continuous emission monitor system. The CEMS shall meet the specifications and procedures of 40 CFR Part 75 and will be certified and maintained in accordance with 40 CFR Part 75. | Rule 335-3-14-.04
BACT
40 CFR 75 |
| 2. A carbon monoxide continuous emission monitoring system (CEMS) shall be utilized as an indicator of compliance with the CO and VOC emission limitations. CO emissions, as indicated by the CO CEMS, shall be no greater than the permitted limits, based upon rolling 3-hour periods. The CO CEMS shall meet the specifications and procedures of 40 CFR Part 60. | Rule 335-3-16-.05(c) |

Recordkeeping and Reporting Requirements

- | | |
|--|----------------------|
| 1. Records documenting the load (MW) at which the turbine was operated (1-hour averages) shall be kept at the facility in a form suitable for inspection for a period of at least five years following said recording. | Rule 335-3-16-.05(c) |
|--|----------------------|

Federally Enforceable Provisos**Regulations**

2. An excess emissions report for each unit as defined by 40 CFR Part 60 , Subpart A, §60.7(c) and (d), and 40 CFR 60.334 shall be submitted to the Department within thirty days of the end of each calendar quarter in the following format:

Rule 335-3-16-.05(c) and Rule 335-3-1-.04

NOx and CO:

- A. Source Operating Time (all times and periods in hours)
- B. Time Monitoring System was Able to Record Source Performance *
- C. Monitor Availability (%) = $B/A \times 100$
- D. Total Excess Emission Periods where the CEM data may indicate emissions above standards **
- E. Overall Source Performance (%) = $[(B - D)/B] \times 100$
- F. Exempt Periods (as applicable) - F(x)
 F1 = Startup/Shutdown
 F2 = Load Change
- G. Net Excess Emissions – $G(x) = D - F(x)$
- H. Net Source Performance (%) - H(x):
 $= [1 - (G(x)/(B - F(x)))] \times 100$
 $= [(B - F(x) - G(x))/(B - F(x))] \times 100$
- I. Overall Exceedances (%) - Percent of time above the standard due to all reasons:
 $= (D/B) \times 100$
- J. Net Exceedances (%) - Percent of time above the standard due to non-exempt reasons:
 $= [(B - F(x)) / B] \times 100$
- K. Exempt Period Exceedances (%) – Percent of time above the standard due to an exempted reason
 SU/SD = $(F_1/B) \times 100$
 Load Change = $(F_2/B) \times 100$

Federally Enforceable Provisos

Regulations

* Information identifying each period during which the monitoring systems were inoperative (except for zero and span checks) and the nature of the system repairs or adjustments will be maintained and made available upon request.

** Report date, time duration, magnitude, cause and corrective action taken for each occurrence. NO_x emissions rate (lb/MMBtu) will be computed as a 3-hour rolling average.

NOTE: Data recorded during periods of system breakdowns, repairs, adjustments, and calibration checks shall not be included in any of the above data averages.

NOTE: Equations used to convert NO_x emission data as monitored to the required reporting standard (lb/MMBtu or ppm) will be provided with the first quarter report of each calendar year.

NOTE: The annual average emission rate of NO_x in lb/MMBtu and total heat input (MMBtu) loaded to this unit will be reported with the 4th quarter report.

3. The facility shall comply with the recordkeeping and reporting requirements of CSAPR. Rules 335-3-5-.31, 335-3-5-.35, 335-3-8-.33, 335-3-8-.37, 335-3-8-.65, and 335-3-8-.69.

Rules 335-3-5-.31, 335-3-5-.35, 335-3-8-.33, 335-3-8-.37, 335-3-8-.65, and 335-3-8-.69

Acid Rain Requirements

1. These units are subject to the Acid Rain rules contained in Rule 335-3-18 and 40 CFR Parts 72, 73 and 75. Applicable Acid Rain permits are contained in the Acid Rain portion of this Operating Permit.

Rule 335-3-18 and 40 CFR Parts 72, 73, and 75

CSAPR Requirements

1. These units are subject to the applicable provisions of Cross-State Air Pollution Rule(CSAPR) to include all applicable provisions of the SO₂ Group 2 Trading Program requirements.

Rules 335-3-5-.06 through 335-3-5-.36

3. These units are subject to the applicable provisions of Cross-State Air Pollution Rule(CSAPR) to include all applicable provisions of the NO_x Annual Trading Program requirements.

Rules 335-3-8-.06 through 335-3-8-.70

Summary Page for MACT Subpart ZZZZ – Existing Emergency RICE Engines

**Permitted
Operating
Schedule*:**

24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Appendix A	Appendix A	PM	N/A	N/A
Appendix A	Appendix A	SO ₂	N/A	N/A
Appendix A	Appendix A	NO _x	N/A	N/A
Appendix A	Appendix A	CO	N/A	N/A
Appendix A	Appendix A	VOC	N/A	N/A
Appendix A	Appendix A	Opacity	See General Provisos	Rule 335-3-4-.01(1)

*Operating hours limited to 100 hrs/yr in non-emergency situations

Provisos for MACT Subpart ZZZZ – Existing Emergency RICE Engines

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, “National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE)”.	40 CFR Part 63 Subpart ZZZZ
3. This source is subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 8 of Subpart ZZZZ.	40 CFR Part 63 Subpart ZZZZ
<u>Emission Standards</u>	
1. This source is subject to the applicable requirements listed in Table 2d of 40 CFR 63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	40 CFR §63.6603
2. The Permittee must operate and maintain this unit according to the manufacturer's emission-related written instructions or develop a 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.	40 CFR §63.6625(e)(3)
3. The firewater pump shall be equipped with a non-resettable hour meter.	40 CFR §63.6625(f)
4. This unit may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. 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	40 CFR §63.6640(f)

Federally Enforceable Provisos

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records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year . This unit may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 63 Subpart ZZZZ, is prohibited.

Compliance and Performance Test Methods and Procedures

- 1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.

Rule 335-3-1-.05

Emission Monitoring

- 1. The Permittee shall perform the following activities:
 - (a) Change oil and filter every 500 hours of operation or annually, whichever comes first;
 - (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
 - (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.Or utilize an oil analysis program as described in §63.6625(i).

40 CFR Part 63
Subpart ZZZZ Table 2d
§63.6625(i)

- 2. If an oil analysis program is utilized for a stationary compression ignition engine, the Permittee must perform the oil analysis at the same frequency specified above for changing the oil. The Permittee must at a minimum analyze the following parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new, viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new, or percent water content (by volume) is greater than 0.5. If any of the limits are exceed, the Permittee must change the oil within 2 business days of receiving the results of the analysis or before commencing operation, whichever is later.

40 CFR Subpart ZZZZ
§63.6625(i)

Federally Enforceable Provisos

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Recordkeeping and Reporting Requirements

- | | |
|---|---------------------------------|
| 1. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. | 40 CFR Subpart ZZZZ §63.6625(i) |
| 2. The Permittee must keep records of the maintenance conducted on this unit in order to demonstrate that you operated and maintained this unit and after-treatment control device (if any) according to your own maintenance plan or according to manufacturer’s written instructions. | 40 CFR §63.6655(e) |
| 3. The Permittee must keep records of the hours of operation of each engine that is recorded through the non-resettable hour meter. The facility 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. | 40 CFR §63.6655(f) |

Appendix A

Emission Point	HP
McWilliams Emergency Fire Water Pump	165
Vann Emergency Fire Water Pump	225
Vann Emergency Backup	670.5

Phase II Acid Rain Permit

Issued by: Alabama Department of Environmental Management

Issued to: McWilliams Power Plant

Operated by: PowerSouth Energy Cooperative, Inc.

ORIS code: 0533

Effective: August 15, 2016 through August 14, 2021

Acid Rain Permit Contents

- 1) Statement of Basis.
- 2) SO₂ allowances allocated under this permit and NO_x requirements for each affected unit.
- 3) Comments, notes and justifications regarding permit decisions and changes made to the permit application forms during the review process and any additional requirements or conditions.
- 4) The permit application submitted for this source, as corrected by the Alabama Department of Environmental Management. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.
- 5) Summary of Previous Actions and Current Action.

1) Statement of Basis:

Statutory and Regulatory Authorities: In accordance with the Code of Alabama 1975, §§ 22-22A-4, 22-22A-6, 22-22A-8, 22-28-14 and Titles IV and V of the Clean Air Act, the Alabama Department of Environmental Management issues this permit pursuant to ADEM Admin. Codes 335-3-16 and 335-3-18.

2) SO₂ Allowance Allocations and NO_x Requirements for each affected unit:

		2016	2017	2018	2019	2020
**4	SO ₂ allowances, under Tables 2, 3, or 4 of 40 CFR part 73. [tons]	NA ¹				
	NO _x limit [lb/MMBtu]	NA ²				

		2016	2017	2018	2019	2020
**V1	SO ₂ allowances, under Tables 2, 3, or 4 of 40 CFR part 73. [tons]	NA ¹				
	NO _x limit [lb/MMBtu]	NA ²				

2016 2017 2018 2019 2020

**V2	SO ₂ allowances, under Tables 2, 3, or 4 of 40 CFR part 73. [tons]	NA ¹				
	NO _x limit [lb/MMBtu]	NA ²				

¹ Currently there are no SO₂ allowances allocated to these units by the U.S. EPA. The number of allowances allocated to Phase II affected units by U.S. EPA may change under 40 CFR Part 73. In addition, the number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. Neither of the aforementioned conditions necessitate a revision to SO₂ allowance allocations identified in this permit [See 40 CFR 72.84].

² 40 CFR Part 76 does not establish a NO_x emission rate for these because they are combined cycle units.

3) Comments, Notes and Justifications: This facility consists of two – 166 MW Natural Gas Fired Combustion Turbines with Heat Recovery Steam Generators (HRSG) and a combined cycle 106 MW Natural Gas/Distillate Oil Fired Combustion Turbine with a Natural Gas Fired 83.3 MMBtu/hr Duct Burner and HRSG (Unit **4). The Heat Recovery Boiler for Unit **4 supplies steam to two 7.5 MW and one 22.5 MW steam turbines.

4) Permit Application: Attached.

5) Summary of Previous Actions and Current Action:

Action	Date
1. Draft permit prepared and submitted for public review and comment.	November 25, 1998
2. Permit finalized and issued.	January 28, 1999
3. Draft permit prepared and submitted for public review and comment.	December 1, 2004
4. Permit finalized and re-issued.	January 1, 2005
5. Permit finalized and re-issued.	May 2, 2008
6. Draft permit prepared and submitted for public review and comment.	June 29, 2011
7. Permit finalized and re-issued.	August 15, 2011
8. Draft permit prepared and submitted for public review and comment.	DRAFT
9. Permit finalized and re-issued.	DRAFT

Ronald W. Gore, Chief
Air Division

Date

Permit Requirements**STEP 3**

Read the standard requirements.

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.

(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:

(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and

(ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:

(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission

McWilliams Power Plant
Facility (Source) Name (from STEP 1)

of a new certificate of representation changing the designated representative;

STEP 3, Cont'd. Recordkeeping and Reporting Requirements, Cont'd.

- (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with

McWilliams Power Plant
Facility (Source) Name (from STEP 1)

any other provision of the Act, including the provisions of title I of the Act relating

STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

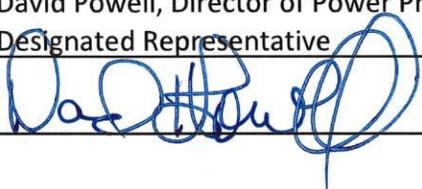
- to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Read the certification statement, sign, and date.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

	David Powell, Director of Power Production	
Name	Designated Representative	
Signature		Date Feb 4, 2016

