



INTERMEDIATE STATE PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth herein.

Intermediate Operating Permit Number: OP2016-039
Expiration Date: NOV 17 2021
Installation ID: 119-0030
Project Number: 2016-02-003

Installation Name and Address

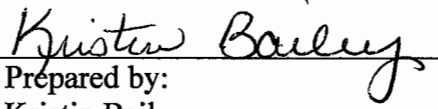
Walmart North Data Center, Facility #8678
183 Bear Hollow Road
Pineville, MO 64856-8205
McDonald County

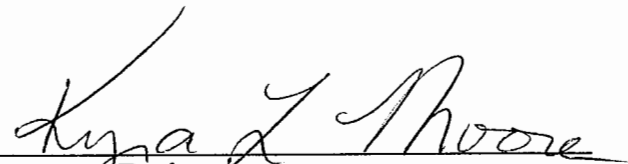
Parent Company's Name and Address

Wal-Mart Stores, Inc.
805 Moberly Lane
Bentonville, AR 72712

Installation Description:

Walmart North Data Center, Facility #8678 is located in Pineville, Missouri. The primary duty of the installation is to maintain emergency generators to supply backup power to the corporate operations. The installation maintains eight generators for this purpose. The installation is a synthetic minor source of Nitrogen Oxides (NOx).


Prepared by:
Kristin Bailey
Operating Permit Unit


Director of Designee
Department of Natural Resources
NOV 17 2016

Effective Date

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I. Installation Equipment Listing

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation which emits air pollutants and identified as having unit-specific emission limitations.

<u>Emission Unit #</u>	<u>Description of Emission Unit</u>
EP-01	Diesel Emergency Generator #1A
EP-02	Diesel Emergency Generator #3A
EP-03	Diesel Emergency Generator #4A
EP-04	Diesel Emergency Generator #1B
EP-05	Diesel Emergency Generator #3B
EP-06	Diesel Emergency Generator #4B
EP-09	Diesel Emergency Generator #2A
EP-10	Diesel Emergency Generator #2B

EMISSION UNITS WITHOUT SPECIFIC LIMITATIONS

The following list provides a description of the equipment, which does not have unit specific limitations at the time of permit issuance.

<u>Description of Emission Source</u>	
EP-07	(8) 275 gallon Above Ground Diesel Storage Tanks
EP-08	(2) 30,000 gallon Underground Diesel Storage Tanks

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance. The plant wide conditions apply to all emission units at this installation. All emission units are listed in Section I under Emission Units with Limitations and Emission Units without Limitations.

PERMIT CONDITION PW1

10 CSR 10-6.020(2)(I)23. and 10 CSR 10-6.065(5)(C)2. Voluntary Limitation(s)

Emission Limitation:

- 1) The permittee shall emit less than 100 tons of Nitrogen Oxides (NO_x) from the entire installation in any consecutive 12-month rolling period.

Monitoring/Record Keeping:

- 1) The permittee shall calculate NO_x emissions each month. Attachment A or an equivalent form, such as an electronic form, generated by the permittee and approved by the Air Pollution Control Program may be used.
- 2) The permittee shall calculate their 12-month rolling NO_x emission by summing the monthly emissions for the last twelve months. The 12-month rolling NO_x emissions shall be calculated each month using the most recent twelve months' worth of monthly NO_x emission totals.
- 3) All records shall be kept for no less than five years and be made available immediately to any Missouri Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which the records required by this permit condition indicate that the source exceeds the emission limitation of this permit condition.
- 2) The permittee shall report any deviations/exceedances of this permit condition using the annual monitoring report and annual compliance certification to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(5)(C)1.B.

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

PERMIT CONDITION 1				
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds				
Emission Unit	Description	Manufacturer	Model No.	Construction Date
EP-01	Diesel Emergency Generator #1A	Caterpillar	3516	11/15/2002
EP-02	Diesel Emergency Generator #3A	Caterpillar	3516	11/15/2002
EP-03	Diesel Emergency Generator #4A	Caterpillar	3516	11/15/2002
EP-04	Diesel Emergency Generator #1B	Caterpillar	3516	11/15/2002
EP-05	Diesel Emergency Generator #3B	Caterpillar	3516	11/15/2002
EP-06	Diesel Emergency Generator #4B	Caterpillar	3516	11/15/2002
EP-09	Diesel Emergency Generator #2A	Caterpillar	3516	01/24/2005
EP-10	Diesel Emergency Generator #2B	Caterpillar	3516	01/24/2005

On November 30, 2015 this regulation was rescinded and replaced with 10 CSR 10-6.261, Control of Sulfur Dioxide Emissions. However, 6.260 is still contained in the State Implementation Plan (SIP) and will continue to be an applicable requirement until removed from the SIP.

Emission Limitation:

- 1) The permittee shall not cause or permit the emission into the atmosphere gases containing more than five hundred parts per million by volume (500 ppmv) of sulfur dioxide or more than thirty-five milligrams per cubic meter (35 mg/cubic meter) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3)-hour time period.
- 2) The permittee shall not cause or permit the emission of sulfur compounds from any source, which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 *Ambient Air Quality Standards*.

Monitoring/Recordkeeping:

- 1) The permittee shall monitor and maintain records of the sulfur content of each delivery of fuel. Bill so lading and/or other fuel delivery documentation containing the following information for all fuel purchases or deliveries are deemed acceptable to comply with the requirements that the sulfur content never exceeds 0.05 percent:
 - a) The name, address and contact information of the fuel supplier;
 - b) The type of fuel
 - c) The sulfur content or maximum sulfur content expressed in percent sulfur by weight or in ppm sulfur; and
 - d) The heating value of the fuel.
- 2) The permittee shall make these records available immediately for inspection to the Department of Natural Resources' personnel upon request. The permittee shall maintain all records, either

electronically or written, as required by this permit for not less than five (5) years and shall make them available immediately to the Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which the records required by this permit condition indicate that the source exceeds the emission limitation of this permit condition.
- 2) The permittee shall report any deviations/exceedances of this permit condition using the annual monitoring report and annual compliance certification to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(5)(C)1.B.

PERMIT CONDITION 2				
10 CSR 10-6.261 Control of Sulfur Dioxide Emissions				
Emission Unit	Description	Manufacturer	Model No.	Construction Date
EP-01	Diesel Emergency Generator #1A	Caterpillar	3516	11/15/2002
EP-02	Diesel Emergency Generator #3A	Caterpillar	3516	11/15/2002
EP-03	Diesel Emergency Generator #4A	Caterpillar	3516	11/15/2002
EP-04	Diesel Emergency Generator #1B	Caterpillar	3516	11/15/2002
EP-05	Diesel Emergency Generator #3B	Caterpillar	3516	11/15/2002
EP-06	Diesel Emergency Generator #4B	Caterpillar	3516	11/15/2002
EP-09	Diesel Emergency Generator #2A	Caterpillar	3516	01/24/2005
EP-10	Diesel Emergency Generator #2B	Caterpillar	3516	01/24/2005

Emission Limitation:

- 1) The permittee shall monitor the fuel sulfur content of each delivery, documenting that the fuel sulfur content never exceeds 8,812 ppm for distillate.

Monitoring/Recordkeeping:

- 1) The permittee shall monitor and maintain records of the sulfur content of each delivery of fuel. Bill so lading and/or other fuel delivery documentation containing the following information for all fuel purchases or deliveries are deemed acceptable to comply with the requirements that the sulfur content never exceeds 0.05 percent:
 - a) The name, address and contact information of the fuel supplier;
 - b) The type of fuel
 - c) The sulfur content or maximum sulfur content expressed in percent sulfur by weight or in ppm sulfur; and
 - d) The heating value of the fuel.
- 2) The permittee shall maintain a list of modifications to the source's operating procedures or other routine procedures instituted to prevent or minimize the occurrence of any excess SO₂ emissions
- 3) The permittee shall maintain a record of data, calculations, results, records and reports from any SO₂ emissions performance test, SO₂ continuous emission monitoring, fuel deliveries and/or fuel sampling tests

- 4) The permittee shall maintain a record of any applicable SO₂ monitoring data, performance evaluations, calibration checks, monitoring system and device performance tests, and any adjustments and maintenance performed on these systems or devices.
- 5) The permittees shall make these records available immediately for inspection to the Department of Natural Resources' personnel upon request. The permittee shall maintain all records, either electronically or written, as required by this permit for not less than five (5) years and shall make them available immediately to the Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which the records required by this permit condition indicate that the source exceeds the emission limitation of this permit condition.
- 2) The permittee shall report any excess emissions other than startup, shutdown and malfunction excess emissions already required to be reported under 10 CSR 10-6.050 to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102 for each calendar quarter within thirty (30) days following the end of the quarter . In all cases, the notification must be a written report and include, at a minimum
 - a) Name and location of site;
 - b) Name and telephone number of person responsible for the site;
 - c) Identity and description of the equipment involved;
 - d) Time and duration of the period of SO₂ excess emissions;
 - e) Type of activity;
 - f) Estimate of the magnitude of the SO₂ excess emissions expressed in the units of the applicable emission control regulation and the operating data and calculation used in estimating the magnitude;
 - g) Measures taken to mitigate the extent and duration of the SO₂ excess emissions; and
 - h) Measures taken to remedy the situation which caused the SO₂ excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- 3) The permittee shall report any deviations/exceedances of this permit condition using the annual monitoring report and annual compliance certification to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(5)(C)1.B.

IV. Core Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR), Code of State Regulations (CSR), and local ordinances for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance. The following is only an excerpt from the regulation or code, and is provided for summary purposes only

10 CSR 10-6.045 Open Burning Requirements

- 1) **General Provisions.** The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.
- 2) Certain types of materials may be open burned provided an open burning permit is obtained from the director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the owner or operator fails to comply with the conditions or any provisions of the permit.

10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions

- 1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days, in writing, the following information:
 - a) Name and location of installation;
 - b) Name and telephone number of person responsible for the installation;
 - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
 - d) Identity of the equipment causing the excess emissions;
 - e) Time and duration of the period of excess emissions;
 - f) Cause of the excess emissions;
 - g) Air pollutants involved;
 - h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
 - i) Measures taken to mitigate the extent and duration of the excess emissions; and
 - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- 2) The permittee shall submit the paragraph 1 information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
- 3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of

the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.

- 4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
- 5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. [10 CSR 10-6.065(5)(B)1.A(III)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)3.B]

10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants and 40 CFR Part 61 Subpart M National Emission Standard for Asbestos

- 1) The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.
- 2) The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

- 1) The permittee shall submit full emissions report either electronically via MoEIS, which requires Form 1.0 signed by an authorized company representative, or on Emission Inventory Questionnaire (EIQ) paper forms on the frequency specified in this rule and in accordance with the requirements outlined in this rule. Alternate methods of reporting the emissions, such as spreadsheet file, can be submitted for approval by the director.
- 2) The permittee may be required by the director to file additional reports.
- 3) Public Availability of Emission Data and Process Information. Any information obtained pursuant to the rule(s) of the Missouri Air Conservation Commission that would not be entitled to confidential treatment under 10 CSR 10-6.210 shall be made available to any member of the public upon request.
- 4) The permittee shall submit a full EIQ for the 2011, 2014, 2017, and 2020 reporting years. In the interim years the installation may submit a Reduced Reporting Form; however, if the installation's

- emissions increase or decrease by more than five tons when compared to their last submitted full EIQ, the installation shall submit a full EIQ rather than a Reduced Reporting Form.
- 5) In addition to the EIQ submittal schedule outlined above, any permit issued under 10 CSR 10-6.060 section (5) or (6) triggers a requirement that a full EIQ be submitted in the first full calendar year after the permitted equipment initially operates.
 - 6) The fees shall be payable to the Department of Natural Resources and shall be accompanied by the emissions report.
 - 7) The permittee shall complete required reports on state supplied EIQ forms or electronically via MoEIS. Alternate methods of reporting the emissions can be submitted for approval by the director. The reports shall be submitted to the director by April 1 after the end of each reporting year. If the full emissions report is filed electronically via MoEIS, this due date is extended to May 1.
 - 8) The reporting period shall end on December 31 of each calendar year. Each report shall contain the required information for each emission unit for the twelve (12)-month period immediately preceding the end of the reporting period.
 - 9) The permittee shall collect, record and maintain the information necessary to complete the required forms during each year of operation of the installation.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.165 Restriction of Emission of Odors

This requirement is not federally enforceable.

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

Emission Limitation:

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.

- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.
- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
 - a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
 - b) Paving or frequent cleaning of roads, driveways and parking lots;
 - c) Application of dust-free surfaces;
 - d) Application of water; and
 - e) Planting and maintenance of vegetative ground cover.

Monitoring/Recordkeeping:

None – See Statement of Basis

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

- 1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
- 2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
- 3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-6.250 Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees. Each individual who works in asbestos abatement projects must first obtain certification for the appropriate occupation from the department. Each person who offers training for asbestos abatement occupations must first obtain accreditation from the department. Certain business entities that meet the requirements for state-approved exemption status must allow the department to monitor training classes provided to employees who perform asbestos abatement.

10 CSR 10-6.280 Compliance Monitoring Usage

- 1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:

- a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the director.
- 2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
- a) Monitoring methods outlined in 40 CFR Part 64;
 - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
- 3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
- a) Applicable monitoring or testing methods, cited in:
 - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - ii) 10 CSR 10-6.040, "Reference Methods";
 - iii) 10 CSR 10-6.070, "New Source Performance Standards";
 - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
 - d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.

- d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
 - 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.
 - 5) The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR part 82*

V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

10 CSR 10-6.065, §(5)(E)2 and §(6)(C)1.B Permit Duration

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Record Keeping and Reporting Requirements

- 1) Record Keeping
 - a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
 - b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.
- 2) Reporting
 - a) All reports shall be submitted to the Air Pollution Control Program, Compliance and Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
 - b) The permittee shall submit a report of all required monitoring by:
 - i) April 1st for monitoring which covers the January through December time period.
 - ii) Exception. Monitoring requirements which require reporting more frequently than annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
 - c) Each report shall identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit.
 - d) Submit supplemental reports as required or as needed. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.

- ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.
- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's annual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

- 1) June 21, 1999;
- 2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
- 3) The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(5)(C)1.A General Requirements

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted under this rule.

- 6) Failure to comply with the limitations and conditions that qualify the installation for an Intermediate permit make the installation subject to the provisions of 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit.

10 CSR 10-6.065(5)(C)1.C Reasonably Anticipated Operating Scenarios

None

10 CSR 10-6.065, §(5)(B)4; §(5)(C)1, §(6)(C)3.B; and §(6)(C)3.D; and §(5)(C)3 and §(6)(C)3.E.(I) – (III) and (V) – (VI) Compliance Requirements

- 1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- 2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
 - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- 3) All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
 - a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
 - b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- 4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to the Air Pollution Control Program, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and exceedances must be included in the compliance certifications. The compliance certification shall include the following:
 - a) The identification of each term or condition of the permit that is the basis of the certification;
 - b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
 - c) Whether compliance was continuous or intermittent;
 - d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and

- e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)7 Emergency Provisions

- 1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
 - a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - b) That the installation was being operated properly,
 - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- 2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

10 CSR 10-6.065(5)(C)5 Off-Permit Changes

- 1) Except as noted below, the permittee may make any change in its permitted installation's operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Off-permit changes shall be subject to the following requirements and restrictions:
 - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is a Title I modification; Please Note: Changes at the installation which affect the emission limitation(s) classifying the installation as an intermediate source (add additional equipment to the record keeping requirements, increase the emissions above major source level) do not qualify for off-permit changes.
 - b) The permittee must provide contemporaneous written notice of the change to the Air Pollution Control Program, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change; and
 - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes.

10 CSR 10-6.020(2)(R)34 Responsible Official

The application utilized in the preparation of this permit was signed by Michael Elmore, Sr. Manager, Critical Infrastructure Services. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the

Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

10 CSR 10-6.065 §(5)(E)4 and §(6)(E)6.A(III)(a)-(c) Reopening-Permit for Cause

This permit may be reopened for cause if:

- 1) The Missouri Department of Natural Resources (MDNR) or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 2) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
 - a) The permit has a remaining term of less than three years;
 - b) The effective date of the requirement is later than the date on which the permit is due to expire;
or
 - c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 3) MDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065 §(5)(E)1.A and §(6)(E)1.C Statement of Basis

This permit is accompanied by a statement setting forth the legal and factual basis for the permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

VI. Attachments

Attachments follow.

Attachment A
 Plantwide NO_x Tracking Sheet

Date (month/year): _____

Emission Unit	Description	Meter Reading This Month (hours)	Meter Reading Last Month (hours)	Generator Usage (hours/month) ¹	Emission Factor (lbs/hour) ³	NO _x Emissions (lbs/month) ⁴
EP1	Generator #1A				61.62	
EP2	Generator #3A				61.62	
EP3	Generator #4A				61.62	
EP4	Generator #1B				61.62	
EP5	Generator #3B				61.62	
EP6	Generator #4B				61.62	
EP9	Generator #2A				58.70	
EP10	Generator #2B				58.70	
EP1, EP2, EP3, EP4, EP5, EP6, EP9, EP10 SSM Emissions⁵ (lbs/month)						
Plan wide NO_x Emissions² (lbs/month):						

¹Generator Usage (hours/month) = Meter Reading This Month (hours) – Meter Reading Last Month (hours)
²Plant wide NO_x Emissions (lbs/month) = the sum of each generator’s NO_x Emissions (lbs/month) + EP1, EP2, EP3, EP4, EP5, EP6, EP9, and EP10 SSM Emissions (lbs/month).
³Emission Factor = Emission Factor from Engine Manufacturer’s Emission Data (2.89 for EP -01 – EP-06, 3.14 for EP-09 & EP-10) (lbs/MmBtu) x Maximum Hourly Design Rate (MMBtu/hour)
⁴NO_x Emissions (lbs/month) = Generator Usage (hours/month) x Emission Factor (lb/hr).
⁵As reported to the Air Pollution Control Program’s Compliance/Enforcement Section according to the provisions of 10 CSR 10-6.050.

Date (month/year)	Plant wide NO _x Emissions (tons/month) ¹	12-Month Rolling Total NO _x Emissions (tons) ²

¹Plantwide NO_x Emissions (tons/month) = Plant wide NO_x Emissions (lbs/month) x 0.0005 (tons/lb)
²12-Month Rolling Total Plant wide NO_x Emissions (tons) = The sum of the most recent 12 Plant wide NO_x Emissions (tons/month).

The permittee is in compliance with Permit Condition PW001 if the 12-Month Rolling Total Plant Wide NO_x Emissions are less than 100 tons.

STATEMENT OF BASIS

Voluntary Limitations

In order to qualify for this Intermediate State Operating Permit, the permittee has accepted voluntary, federally enforceable emission limitations. Per 10 CSR 10-6.065(5)(C)1.A.(VI), if these limitations are exceeded, the installation immediately becomes subject to 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit. It is the permittee's responsibility to monitor emission levels and apply for a part 70 operating permit far enough in advance to avoid this situation. This may mean applying more than eighteen months in advance of the exceedance, since it can take that long or longer to obtain a part 70 operating permit.

INSTALLATION DESCRIPTION

Walmart North Data Center, Facility #8678 is located in Pineville, Missouri. The primary duty of the installation is to maintain emergency generators to supply backup power to the corporate operations. The installation maintains eight generators, two 30,000 gallon underground diesel storage tanks and eight 275 gallon above ground diesel storage tanks for this purpose. The installation is a synthetic minor source of Nitrogen Oxides (NO_x). The NO_x emission limit of 100 tons is a plantwide limit for ease of recordkeeping, insignificant emission units are not included. Actual emissions for NO_x in the last five years range from 6.5 to 14.9 tons per year. It is highly unlikely that the facility would exceed the limit based on these actual emissions.

Updated Potential to Emit for the Installation

Pollutant	Potential to Emit (tons/yr) ¹
CO	3.7574
CO _{2e}	6759.54
NO _x	< 100 ²
PM ₁₀	0.8263
PM _{2.5}	0.8100
SO _x	2.0864
VOCs	2.4398
HAPs	0.0624
Benzene (71-43-2)	0.03
Toluene (108-88-3)	0.012
Xylene (1330-20-7)	0.008
Formaldehyde (50-00-0)	0.003
Acetaldehyde (75-07-0)	0.001
Acrolein (107-02-8)	0.0003
Napthalene (91-20-3)	0.0054

¹Each emission unit was evaluated at 500 hours of uncontrolled annual operation as the system is used for emergency purposes only and is based on the EPA guidance document *Calculating Potential to Emit (PTE) for Emergency Generators* (dated September 6, 1995).

²The installation is limited by Permit Condition PW001 to:

◆ Less than 100 tons of any NO_x from the entire installation during any consecutive 12 month period.

³The PTE calculations do not include the tanks.

Reported Air Pollutant Emissions, tons per year

Pollutants	2014	2013	2012	2011	2010
Particulate Matter ≤ Ten Microns (PM ₁₀)	0.0508	0.0678	0.1010	0.0901	0.0444
Particulate Matter ≤ 2.5 Microns (PM _{2.5})	0.0500	0.0664	0.0000	0.0000	0.0000
Sulfur Oxides (SO _x)	0.1285	0.1710	0.2552	0.2281	0.1121
Nitrogen Oxides (NO _x)	7.5025	9.9764	14.8902	13.3026	6.5469
Volatile Organic Compounds(VOC)	0.1511	0.2001	0.2983	0.2670	0.1318
Carbon Monoxide (CO)	0.2305	0.3078	0.4597	0.4099	0.2012

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Intermediate Operating Permit Application, received February 2, 2016;
- 2) 2014 Emissions Inventory Questionnaire, received January 9, 2015; and
- 3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.
- 4) Intermediate Operating Permit, Issued July 5, 2011

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

None

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined that the following requirements are not applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100 *Alternate Emission Limits* is not applicable to the installation and has not been applied within this permit. The installation is in an ozone attainment area.

10 CSR 10-6.220 *Restriction of Emission of Visible Air Contaminants* is not applicable to the installation and has not been applied within this permit. The only sources of visible air emissions at the installation are the emergency generators which are exempt as internal combustion engines under 10 CSR 10-6.220(1)(A).

10 CSR 10-6.390 *Control of NO_x Emissions From Large Stationary Internal Combustion Engines* is not applicable to the installation and has not been applied within this permit. This regulation is not applicable to McDonald county (see 10 CSR 10-6.390(1)).

Construction Permit History

The installation does not have any issued construction permits at this time.

New Source Performance Standards (NSPS) Applicability

40 CFR Part 60, Subparts K, Ka, and Kb – *Standards of Performance for Storage Vessels* are not applicable to the installation and have not been applied within this permit. Subparts K and Ka are only applicable to storage vessels greater than 40,000 gallons in capacity. [§60.110(a) and §60.110a(a)] Subpart Kb is applicable to storage vessels greater than 75 m³ in capacity storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa. [§60.110b(a) and (b)] The installation does contain two tanks greater than 75 m³ – EP-08 (2) 30,000 gallon (113.56 m³) Underground Diesel Storage Tanks; however, AP-42's Table 7.1-2 provides a maximum true vapor pressure for diesel of 0.016 psi (0.11 kPa) at 90°F. If the contents of these tanks should change in the future, MSPS Kb applicability will need to be re-evaluated.

40 CFR Part 60, Subpart IIII - *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines* is not applicable to the installation and has not been applied within this permit. This regulation is applicable to owners and operators of stationary CI ICE constructed after July 11, 2005. [§60.4200(a)(2)] All of the engines at the installation were constructed prior to July 11, 2005. EP-01 – EP-06 were constructed 11/15/2002 and EP-09 & EP-10 were constructed 1/24/2005.

40 CFR Part 60, Subpart JJJJ – *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* is not applicable to the installation and has not been applied within this permit. §60.4236(a)(4) states that the provisions of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006. All of the installation's engines were constructed prior to this date (EP-01 – EP-06 November 15, 2002, and EP-09 & EP-10 January 24, 2005).

Maximum Achievable Control Technology (MACT) Applicability

40 CFR Part 63, Subpart ZZZZ – *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines* is not applicable to the installation. §63.6590(a)(1)(iii) states that a stationary RICE at an area source is existing if construction commenced before June 12, 2006. All of the installation's engines were constructed prior to this date (EP-01 – EP-06 November 15, 2002, and EP-09 & EP-10 January 24, 2005) and would be considered existing under the regulation. §63.6585(f)(2) states that existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purpose specified in §63.6640(f)(4)(ii) are not subject to MACT ZZZZ provided they meet the definition of emergency stationary RICE in §63.6675 which includes operating according to the provisions specified in §63.6640(f).

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

None

Greenhouse Gas Emissions

Potential emissions of greenhouse gases (CO₂e) for this installation are calculated to be 6759.54 tons, classifying the installation as a minor source of GHGs. There are no currently issued GHG regulations applicable to this installation. Missouri regulations do not require the installation to report CO₂e emissions in their Missouri Emissions Inventory Questionnaire; therefore, the installation's CO₂e emissions were not included within this permit.

Other Regulatory Determinations

10 CSR 10-6.170 *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin* is applicable to the installation and has been applied within this permit. Potential PM₁₀ emissions from the installation are 0.83 tons per year; therefore, no monitoring, recordkeeping, or reporting is being required at this time.

10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds*; and
10 CSR 10-6.261, *Control of Sulfur Dioxide Emissions*

This regulation was marked as applicable in the application. On November 30, 2015 this regulation was rescinded and replaced with 10 CSR 10-6.261, *Control of Sulfur Dioxide Emissions*. However, 6.260 is still contained in the State Implementation Plan (SIP) and will continue to be an applicable requirement until removed from the SIP. The applicability of these rules is detailed below:

The following calculations demonstrate that compliance with the emission limit is achieved by using fuel oil with a sulfur content up to 0.05%.

$$\text{Distillate Oil SO}_2 \text{ emission factor (lbs / MMBtu)} = \frac{142(0.05) \text{ lbs}/10^3 \text{ gal}}{140 \text{ MMBtu}/10^3 \text{ gal}} = 0.0507 \text{ lb/MMBtu}$$

(AP-42 Table 1.3-1(9/98))

$$\text{ppmv SO}_2 = \left(\frac{0.0507 \text{ lb}}{\text{MMBtu}} \right) \times \left(\frac{\text{MMBtu}}{10,320 \text{ wscf}} \right) \times \left(\frac{\text{ppmw}}{1.660 \text{ E}^{-7} \text{ lb / scf}} \right) \times \left(\frac{0.45 \text{ ppmv}}{\text{ppmw}} \right) = 13.32 \text{ ppmv}$$

(Appendix A-7 to Part 60)

SO₃

$$\text{Distillate Oil SO}_3 \text{ emission factor (lbs / MMBtu)} = \frac{2(0.05) \text{ lbs}/10^3 \text{ gal}}{140 \text{ MMBtu}/10^3 \text{ gal}} = 0.0007 \text{ lb/MMBtu}$$

(AP-42 Table 1.3-1(9/98))

$$\text{ppmv SO}_3 = \left(\frac{0.0007 \text{ lb}}{\text{MMBtu}} \right) \times \left(\frac{\text{MMBtu}}{10,320 \text{ wscf}} \right) \times \left(\frac{1.602 \times 10^7 \text{ mg ft}^3}{\text{lb m}^3} \right) = 1.087 \frac{\text{mg}}{\text{m}^3}$$

(Appendix A-7 to Part 60)

There are eight emission units that emit sulfur dioxide this installation, the equipment, applicable limits, and compliance demonstration method are detailed in the table below:

EP #	Description	Subject to 6.260?	6.260 Applicable Limit	Compliance Demonstration
01	Diesel Emergency Generator #1A	Yes, as a unit firing #2 fuel oil	Less than 500 ppmv SO ₂ and less than 35 mg/m ³ H ₂ SO ₄ or SO ₃ or any combination averaged on any consecutive 3 hour time period.	Permit Condition 1 requires the usage of liquid fuels that have less than 0.05% sulfur content.
02	Diesel Emergency Generator #3A	Yes, as a unit firing #2 fuel oil		
03	Diesel Emergency Generator #4A	Yes, as a unit firing #2 fuel oil		
04	Diesel Emergency Generator #1B	Yes, as a unit firing #2 fuel oil		
05	Diesel Emergency Generator #3B	Yes, as a unit firing #2 fuel oil		
06	Diesel Emergency Generator #4B	Yes, as a unit firing #2 fuel oil		
09	Diesel Emergency Generator #2A	Yes, as a unit firing #2 fuel oil		
10	Diesel Emergency Generator #2B	Yes, as a unit firing #2 fuel oil		

6.261

There are eight emission units that emit sulfur dioxide this installation, the equipment, applicable limits, and compliance demonstration method are detailed in the table below:

EP #	Description	Subject to 6.261?	6.261 Applicable Limit	Compliance Demonstration
01	Diesel Emergency Generator #1A	Yes, as a unit firing #2 fuel oil	Limit the fuel sulfur content to less than 8,812 ppm.	Permit Condition 2 requires the usage of liquid fuels that have less than 0.05% sulfur content. This limit is more restrictive than the limit imposed by the rule; therefore the exemption 6.261(1)(C)2 applies. 0.05% converts to 500 ppm, which is more restrictive than the applicable limit.
02	Diesel Emergency Generator #3A	Yes, as a unit firing #2 fuel oil		
03	Diesel Emergency Generator #4A	Yes, as a unit firing #2 fuel oil		
04	Diesel Emergency Generator #1B	Yes, as a unit firing #2 fuel oil		
05	Diesel Emergency Generator #3B	Yes, as a unit firing #2 fuel oil		
06	Diesel Emergency Generator #4B	Yes, as a unit firing #2 fuel oil		
09	Diesel Emergency Generator #2A	Yes, as a unit firing #2 fuel oil		
10	Diesel Emergency Generator #2B	Yes, as a unit firing #2 fuel oil		

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons.

- 1) The specific pollutant regulated by that rule is not emitted by the installation.
- 2) The installation is not in the source category regulated by that rule.
- 3) The installation is not in the county or specific area that is regulated under the authority of that rule.
- 4) The installation does not contain the type of emission unit which is regulated by that rule.
- 5) The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the Air Pollution Control Program a schedule for achieving compliance for that regulation(s).

Response to Public Comments

Three comments from Environmental Protection Agency were received on October 6, 2016. The comments are addressed in the order in which they appear within the letter(s).

Comment 1: Permit refers to persons instead of permittee in Permit Condition 1. Should say permittee.

Response to Comment: Corrected

Comment 2: Plantwide limit of less than 100 tons of NO_x may not be enforceable as a practical matter. There is concern that there may be other potential sources of NO_x at facility, such as space heaters or water heaters.

Response to Comment: All potential sources of NO_x are accounted for. The facility has not exceeded 15 tons of actual NO_x emissions in the previous five years.

Comment 3: Permit Condition 3 is missing information on engines and some requirements from ZZZZ.

Response to Comment: This condition has been removed from the permit as this facility is not subject to the requirements in ZZZZ per §63.6585(f)(2) which states that existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purpose specified in §63.6640(f)(4)(ii) are not subject to MACT ZZZZ.



Jeremiah W. (Jay) Nixon, Governor • Harry D. Bozoian, Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

NOV 17 2016

Mr. Michael Elmore
Walmart North Data Center, Facility #8678
11206 Thompson Ave
Lenexa, KS 66210

Re: Walmart North Data Center, Facility #8678, 119-0030
Permit Number: OP2016-039

Dear Mr. Elmore:

Enclosed with this letter is your intermediate operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.


This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at <http://dnr.mo.gov/regions/>. The online CAV request can be found at <http://dnr.mo.gov/cav/compliance.htm>.

You may appeal this permit to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.078.16 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within thirty (30) days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If you send your appeal by registered or certified mail, we will deem it filed on the date you mailed it. If you send your appeal by a method other than registered or certified mail, we will deem it filed on the date the AHC receives it.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program (APCP) at (573) 751-4817, or you may write to the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM


Michael J. Stansfield, P.E.
Operating Permit Unit Chief

MJS/kbj

Enclosures



c: PAMS File: 2016-02-003