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I. FEDERALLY ENFORCEABLE GENERAL (FACILITY-WIDE) PERMIT CONDITIONS

I.A. General Air Pollution Control Requirements

1. Duty to Comply

- (A) The permittee shall comply with all conditions of COHRAR. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990, and COHRAR, 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. [COHRAR §§ 3.1.4; 3.9.5(h)]
- (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. [COHRAR § 3.9.5(i)]

2. Additional Rules and Regulations

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. [COHRAR § 3.1.4]

3. Schedule of Compliance

- (A) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. [COHRAR §§ 3.1.4; 3.9.5(r)]
- (B) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. [COHRAR §§ 3.1.4; 3.9.5(r)]

4. Operation of Capture and Control Devices

All air pollution control devices and capture systems for which this Permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established. [COHRAR § 1.12]

5. Circumvention

The permittee shall not 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 this Permit or COHRAR. [COHRAR § 1.15]

6. Opacity Limitations

- (A) The permittee shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant of a shade or density darker than that designated as twenty percent (20%) opacity. [COHRAR § 6.1.1]
- (B) Compliance with opacity standards shall be determined by conducting observations in accordance with Reference Method 9 in 40 CFR Part 60, Appendix A. [COHRAR § 6.1.2]

7. Particulate Matter Emissions Limitations

Hourly particulate matter emissions from any source within the facility shall not exceed the amount calculated using the following equations: [COHRAR § 6.4.1]

$$E = 3.59P^{0.62} \quad \text{for } P < 30 \text{ tons per hour}$$
$$E = 17.31P^{0.16} \quad \text{for } P \geq 30 \text{ tons per hour}$$

where E = Particulate emission rate in pounds per hour
P = Process weight throughput in tons per hour

I.B. General Monitoring, Inspection, Record-Keeping and Monitoring Requirements

1. Monitoring, Records and Reporting

- (A) The Director may require the permittee to establish and maintain records; make reports; install, use and maintain monitoring equipment or methods; sample emissions in accordance with such methods, at such locations and intervals, and using such procedures and provide such emissions reports as are prescribed by the Director to demonstrate compliance with the terms of this Permit and with COHRAR. [COHRAR § 1.9.1]
- (B) Records and Reports as the Director shall prescribe on air contaminants or fuel shall be recorded, compiled and submitted on forms provided by the Director or in formats approved by the Director. [COHRAR § 1.9.2]
- (C) All required sampling and testing shall be made and the results calculated in accordance with sampling and testing procedures and methods approved by the Director. All required samples and tests shall be made under the direction of persons qualified by training and/or experience in the field of air pollution control. To the extent practicable, test methods and procedures established by Part 60, Part 61 and Part 63 of Title 40 of the Code of Federal

Regulations, as the same may be amended or revised, shall be employed. [COHRAR §§ 1.10.1; 1.10.2]

2. Inspection and Entry

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the City of Huntsville Department of Natural Resources & Environmental Management to:

- (A) enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this Permit; [COHRAR §§ 1.8; 3.9.5(q)(1)]
- (B) review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this Permit; [COHRAR §§ 1.8; 1.9, 3.9.5(q)(2)]
- (C) inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this Permit; [COHRAR §§ 1.8; 3.9.5(q)(3)]
- (D) sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this Permit or other applicable requirements. [COHRAR §§ 1.10.3; 3.9.5(q)(4)]

3. Record Keeping Requirements

All monitoring records maintained pursuant to this Permit shall include the following information, as appropriate: [COHRAR § 3.9.5(d)(1)]

- (A) the date, time and location of all sampling or measurements;
- (B) the date(s) analyses were performed;
- (C) the company or entity that performed the analyses;
- (D) the analytical techniques or methods used;
- (E) the results of all analyses; and
- (F) the operating conditions that existed at the time of sampling or measurement.

4. Records Retention

Records of all required monitoring data and support information shall be retained by the permittee for a period of at least five (5) years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and

maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this Permit. [COHRAR § 3.9.5(d)(2)]

5. Display of Permit

The permittee shall keep this Permit under file or on display at all times at the permitted facility and shall make this Permit available for inspection by any and all persons who may request to see it. [COHRAR § 3.1.7]

6. Semi-Annual Monitoring Report Submission

On a semi-annual basis, the permittee shall submit monitoring reports to the Department which contain the results of all monitoring specifically required by Part III of this Permit. All instances of deviations from permit requirements of this Permit shall be clearly identified in the monitoring reports and must be certified by a responsible official in accordance with Part I.B.7. of this Permit. These monitoring reports shall be submitted not later than May 1 and November 1 of each year. Submittal of the monitoring report due no later than May 1 may coincide with submittal of the Annual Compliance Certification required by Part I.B.8. of this Permit and the payment of Annual Emissions Fees in accordance with Part I.C. of this Permit. The report due on May 1 shall cover the monitoring period from October 1 of the previous year through March 31 of the year of submission. The report due on November 1 shall cover the monitoring period from April 1 through September 30. [COHRAR § 3.9.5(e)(1)]

7. Certification of Truth, Accuracy, and Completeness

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. [COHRAR §§ 3.9.4(a); 3.9.5(p)]

8. Compliance Certification

A compliance certification shall be submitted annually at the time of annual emissions fees payments made pursuant to I.C of this Permit. The permittee shall provide a means for monitoring the compliance of its air pollution sources with the emissions limitation, standards and work practices listed or referenced within this Permit. [COHRAR § 3.9.5(t)]

(A) The compliance certification shall include the following:

- (1) the identification of each term or condition of this permit that is the basis of the certification;
- (2) the compliance status;

- (3) whether compliance has been continuous or intermittent; and
 - (4) the method(s) used for determining the compliance status of the source, currently and over the reporting period, consistent with COHRAR §§ 3.9.5(c) and 3.9.5(d) (Monitoring and Record Keeping Requirements), and the specific terms included in Part III of this Permit.
- (B) The compliance certification shall be submitted to the Department and to the Environmental Protection Agency (EPA) at the following addresses:

City of Huntsville
Division of Natural Resources & Environmental Management
P. O. Box 308
Huntsville, AL 35804

and to:

Air and EPCRA Enforcement Branch
U.S. EPA Region 4
61 Forsyth Street, SW
Atlanta, GA 30303

9. Non-compliance Reporting

The permittee shall report deviations from requirements of this Permit within two (2) working days of such deviations, unless a shorter reporting time is specified in this Permit (e.g. for equipment malfunction reporting pursuant to I.B.10(B) of this Permit). The report shall include the probable cause of the deviation and describe corrective actions or preventive measures that were taken. [COHRAR § 3.9.5(e)(2)]

10. Equipment Maintenance or Breakdown

- (A) In case of shutdown of air pollution control equipment for scheduled maintenance for a period greater than one (1) hour, the intent to shut down shall be reported to the Department at least twenty-four (24) hours prior to the planned shut-down. The Department shall be notified when maintenance on the air pollution control equipment is complete and the equipment is operating. [COHRAR § 1.12.2]
- (B) In the event there is a breakdown of equipment in such a manner as to cause increased emission of air contaminants for a period greater than one (1) hour, the person responsible for such equipment shall notify the Department within an additional twenty-four (24) hours and provide a statement giving all pertinent facts, including the duration of the breakdown. The Department shall be notified when the breakdown has been corrected. [COHRAR § 1.12.3]

11. Progress Reports

If any air pollution source owned or operated by the permittee is not in compliance with the emissions limitations, standards and work practices listed or referenced within this permit, the permittee shall submit a progress report for that air pollution source. The first schedule of compliance shall be submitted within three (3) months of the date the permittee or Department determines that the air pollution source is not in compliance. Subsequent reports shall be submitted every sixth month following the initial report. The progress reports shall contain the following: [COHRAR § 3.9.5(s)]

- (A) the dates for achieving the activities, milestone, or compliance required in the schedule of compliance, and/or dates when such 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 preventive or corrective measures adopted.

I.C. Fee Payments

1. Annual Emissions Fees

On an annual basis the permittee shall:

- (A) pay emissions fees based on actual emissions of each regulated air pollutant, except carbon monoxide (CO), emitted during the preceding calendar year; [COHRAR § 3.7.4(c)]
- (B) determine emissions fees payments at the rate of \$25 per ton of each regulated air pollutant, plus the difference in the CPI (Consumer Price Index) of the year the fees are assessed and the CPI for 1989; [COHRAR § 3.7.4(c)]
- (C) make payment of annual emissions fees on or before May 1 of each calendar year; [COHRAR § 3.7.5(a)]
- (D) pay a late fee of three percent (3%) of the original fee per month or fraction thereof if fees are not paid within thirty (30) days of the due date; and [COHRAR § 3.7.5(d)]
- (E) make fees and remittances payable to the City of Huntsville. [COHRAR § 3.7.5(e)]
- (F) All fees paid pursuant to COHRAR Part 3.7 shall be non-refundable. [COHRAR § 3.7.5(d)]

2. Fee Payments

For this Permit to remain effective, all applicable fees must be paid in accordance with COHRAR Parts 3.6 and 3.7. [COHRAR § 3.9.5(m)]

3. Conflict With State Law

In the event there is a conflict between State law or the regulations promulgated thereto and the fee schedule included in I.C.1. and I.C.2. of this Permit, then the fee schedule established under State law shall take precedence. [Ala. Code 1975 § 22-28-23; COHRAR §§ 3.6.8; 3.7.4(g)]

I.D. Permit Modification, Renewal, and Termination

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 COHRAR § 3.9.11(a)(1)(v). [COHRAR § 3.1.5]

2. New Air Pollution Sources

- (A) A new permit application must be made for new sources, replacements, alterations, or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants. [COHRAR § 3.1.2(a)]
- (B) Actual construction of a major modification, as defined in COHRAR Part 3.5 (Prevention of Significant Deterioration), shall not begin prior to issuance of an Air Permit in accordance with COHRAR Part 3.5, or modification of this Permit in accordance with COHRAR § 3.1.2(h)(5). [COHRAR § 3.5.1]
- (C) Every application for a permit shall be filed in the manner and form prescribed by the Director and shall give all the information necessary to enable the Director to make the determination required by COHRAR Part 3.3. [COHRAR § 3.2.1]

3. Alternative Operating Scenarios

For those alternative operating scenarios identified in Part III of this Permit as acceptable, the permittee shall: [COHRAR § 3.9.5(o)]

- (A) Record the change from one operating scenario to another in a log at the permitted facility. The recording of the change shall be made contemporaneously with the change, and the log shall contain the scenario under which the facility is currently operating.
- (B) Ensure that terms and conditions of each alternative operating scenario meet all the requirements of this permit, as well as COHRAR Part 3.9.

4. Economic Incentives

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. [COHRAR § 3.9.5(n)]

5. Submittal of Information

The permittee must submit to the Department, within thirty (30) days or 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. [COHRAR § 3.9.5(l)]

6. Renewals

- (A) This Permit is issued for a fixed period of five (5) years. 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. [COHRAR §§ 3.9.5(b); 3.9.2(c)]
- (B) Authorization to operate the permitted facility shall terminate upon the expiration of this Permit unless a timely and complete renewal application has been submitted. If a timely and complete application for renewal is submitted, but the Director fails to take action to issue or deny the renewal permit before the end of the term of this Permit, then this Permit shall not expire until the renewal permit has been issued or denied. [COHRAR § 3.9.10(b)]

7. Termination for Cause

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. [COHRAR §§ 3.2.5; 3.9.5(j)]

8. Reopening for Cause

Under any of the following circumstances, this Permit will be reopened prior to the expiration of the permit. [COHRAR § 3.9.11(e)]

- (A) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this Permit is due to expire.
- (B) Additional requirements (including excess emissions requirements) become applicable to

an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this Permit.

- (C) The Department or EPA determines that this Permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this Permit.
- (D) The Administrator or the Department determines that this Permit must be revised or revoked to assure compliance with the applicable requirements.

9. Revocation for Cause

This Permit may be revoked for any of the following causes: [COHRAR § 3.2.5]

- (A) failure to comply with any condition of this Permit or COHRAR;
- (B) failure to notify the Director prior to operation of any article, machine, equipment or other contrivance subject to the requirements of COHRAR § 3.1.2(a);
- (C) failure to establish and maintain such records, make such reports, install, use and maintain such monitoring equipment or methods; and sample such emissions in accordance with such methods at such locations, intervals and procedures as the Director may prescribe in accordance with COHRAR § 1.9.2;
- (D) failure to allow the Director or his authorized representative upon proper identification to:
 - (1) enter any premises, at reasonable times, where any article, machine, equipment or other contrivance described in COHRAR § 3.1.2 is located or in which any records required to be kept by this Permit or by COHRAR are located;
 - (2) have access to and copy any records required to be kept by this Permit or by COHRAR;
 - (3) inspect any monitoring equipment or practices being maintained pursuant to this Permit or COHRAR; or
 - (4) have access to and sample any discharge of air contaminants resulting directly or indirectly from the operation of any article, machine, equipment, or other contrivance described in COHRAR § 3.1.2.
- (E) failure to comply with the provisions of an administrative order issued by the Director concerning the permitted facility; or
- (F) for any other cause, after a hearing which establishes, in the judgement of the Director, that continuance of this Permit is not consistent with the purpose of the Act or regulations under it, or is not consistent with the purposes of the Federal Clean Air Act or regulations under

it.

10. Expiration of Air Permits

All Air Permits issued to the permittee prior to the effective date of this Permit shall expire immediately following the issuance of this Permit. [COHRAR § 3.2.6(a)]

I.E. Emergency Provisions

1. Emergency Procedure

The permittee shall comply with the provisions of an emergency order to immediately reduce or discontinue the emission of air contaminants, if the Director finds that such action is necessary to protect human health or safety, in accordance with COHRAR § 2.9. [COHRAR §§ 2.9.1, 2.9.2]

2. Emission Reduction Standby Plan

Within thirty (30) days of receipt of a written request from the Director, the permittee shall prepare and submit a standby plan for reducing the emissions of air contaminants during periods of an Episode Alert, Warning and Emergency. The standby plan is subject to approval by the Director. [COHRAR § 2.8.5]

I.F. Miscellaneous Provisions

1. Property Rights

The issuance of this Permit does not convey any property rights of any sort, or any exclusive privilege. [COHRAR § 3.9.5(k)]

2. Severability

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. [COHRAR § 3.9.5(g)]

3. Authority of Department

Nothing in this Permit or conditions thereto shall negate any authority granted to the Department of Natural Resources or the Alabama Department of Environmental

Management pursuant to the Alabama Environmental Management Act or regulations issued thereunder. [§ 22-28-23, Ala. Code (1975)]

II. NON-FEDERALLY ENFORCEABLE GENERAL (FACILITY-WIDE) PERMIT CONDITIONS

II.A. Objectionable Odors

This Permit is issued with the condition that the operation of this facility by the owner or operator will not result in the emission of objectionable odors as defined in COHRAR § 6.7. [COHRAR § 6.7]

III. FACILITY-SPECIFIC FEDERALLY ENFORCEABLE CONDITIONS

This facility was initially issued permits to construct and operate pursuant to the requirements of Part 3.5 of the COHRAR (Prevention of Significant Deterioration (PSD) Permitting). As an On-Site Partner (OSP) with the Mazda Toyota Manufacturing US (MTMUS) automobile assembly plant, the initial permit application and air quality modeling included this facility, the other OSPs on the MTMUS campus, and the assembly plant. Consequently, any modification of this facility must be viewed in conjunction with any other possible modifications on the MTMUS campus for purposes of determining PSD applicability. [COHRAR § 3.5.1]

III.A. Miscellaneous Natural Gas-fired Combustion Sources

1. Emission Limitations

- (A) Emissions of particulate matter from each piece of natural gas-fired combustion equipment shall not exceed the value of E, calculated using the following equation:

$$E = 1.38H^{-0.44}$$

where E is the hourly emission rate in lb./million Btu and H is the heat input in millions of Btu/hr. [COHRAR § 6.3.1]

- (B) This source is subject to the BACT limits below:

OPERATION

**PARTICULATE BACT
(PM/PM10/pm2.5)
lb./MMBtu of heat input**

Natural Gas Fired Unit(s) (Unit OSP-2-NG1)

0.0005

- (C) This source is subject to the BACT limits below:

OPERATION

**NO_x BACT
lb./MMBtu of heat input**

- (D) The stack(s) associated with these sources shall not exhibit greater than 10% opacity measured in accordance with 40 CFR Part 60, Appendix A, Method 9 per COHRAR § 6.1.2. If opacity of 5% or greater is observed from a stack, the operator shall investigate the cause and take any necessary corrective actions. [COHRAR §§ 1.10.2, 3.5.4]

2. Work Practice Requirements

- (A) Natural gas shall be the only fuel used in the combustion equipment. [COHRAR § 3.5.4]
- (B) The permittee shall utilize good work practices that are practically and economically feasible that reasonably minimize emissions of NOx and other pollutants in all operations. Periodic maintenance of each listed burner in the section: Natural Gas Fired Unit(s) (Unit OSP-6-NG1) will occur at a minimum as suggested by the manufacturer of the unit. [COHRAR § 3.5.4]

3. Monitoring Requirements

- (A) In the event stack testing is required pursuant to the provisions of I.B.1. of this Permit, Method 5 or 5a as defined in 40 CFR 60, Appendix A, or equivalent method approved by the Department, shall be used in the determination of particulate emissions from the stack. [COHRAR §§ 1.9.1, 1.10.2, 3.5.4]
- (B) Method 201a and 202 as defined in 40 CFR 60, Appendix A, or equivalent method as approved by the Department, shall be used in the determination of particulate emissions less than 10 microns from the stack.
- (C) Method 201a and 202 as defined in 40 CFR 60, Appendix A, or equivalent method as approved by the Department, shall be used in the determination of particulate emissions less than 2.5 microns from the stack.
- (D) Method 7 or 7E as defined in 40 CFR 60, Appendix A, or equivalent method as approved by the Department, shall be used in the determination of Nitrogen oxides emissions from the stack.
- (E) Method 10 as defined in 40 CFR 60, Appendix A, or equivalent method as approved by the Department, shall be used in the determination of Carbon Monoxide emissions from the stack.
- (F) Method 9 as defined in 40 CFR 60, Appendix A, or equivalent method as approved by the Department, shall be used in the determination of the opacity of the stack emissions.
- (G) Method 18 or 25, as determined by the Department, as defined in 40 CFR 60, Appendix A, or equivalent method as approved by the Department, shall be used in the determination of Volatile Organic Compound emissions from the stack. The test method will be determined

by the Department before testing.

- (H) When operating, each listed burner in the section: Natural Gas Fired Unit(s) (Unit OSP-7-NG1) shall be visually observed a minimum of once monthly for greater than normal visible emissions as determined by previous observations. Whenever observed visible emissions are greater than normal, corrective action to minimize emissions shall be taken within 24 hours, followed by an additional observation to confirm that emissions are reduced to normal. Records shall be recorded in a permanent form suitable for inspection upon request and retained for at least five years following the date of such measurement. [COHRAR § 3.5.4]

4. Reporting Requirements

The semi-annual monitoring reports required by I.B.6. of his Permit shall include the following information for each calendar month: [COHRAR §§ 1.9.2, 3.5.4]

- (A) The natural gas consumption, emissions and compliance information identified in III.A.5. (A) below.
- (B) Any deviation from the emission limitations or work practice requirements of this Permit.

5. Record-keeping Requirements

- (A) Accurate and understandable records of consumption of natural gas, which record at least the last five years of data, will be maintained in a permanent form suitable for inspection and be available immediately upon request. This facility shall provide a copy of records and supporting background documents upon request that pertain to this permit. These records shall contain the following information: [COHRAR §§ 1.9.1, 3.5.4]
 - (1) Usage of natural gas by this unit: Natural Gas Fired Unit(s) (Unit OSP-6-NG) in the previous month.
 - (2) Calculations of criteria pollutants emitted based on natural gas used in the previous month using established emission factors.
 - (3) The amount of VOCs and other criteria pollutants emitted per calendar month in units of tons.
 - (4) The rolling 12-month total of VOCs and other criteria pollutants in units of tons.
- (B) By the 30th day of the month following the end of each month, compliance with all provisos in this permit will be determined. These records will be maintained for 5 years. Should this facility, at any time, exceed the limits in this permit, the Department must be notified in writing within ten (10) days of the identification of the exceedance. [COHRAR §§ 1.9.1, 3.5.4]

- (C) A logbook of the monthly visible observations required in proviso III.A.3 shall be retained for at least five years and available for inspection upon request. This logbook should also include the nature and date of any maintenance actions taken to correct excess opacity episodes. [COHRAR §§ 1.9.1, 3.5.4]

III.B. One (1) Diesel-fueled Emergency Generator Engine (OSP-7-EG1)

1. Emission Limitations

- (A) The engine shall meet the applicable emission limitations in Table 4 of 40 CFR Part 60 Subpart IIII. Certification by the manufacturer(s) shall be used to demonstrate compliance with this requirement. However, such manufacturer certifications do not preclude the Director from requiring emissions testing pursuant to paragraph I.B.1 of this Permit. [COHRAR Part 13.2 Subpart IIII, §§ 60.4205(a) through (d); COHRAR Part 14.5 Subpart ZZZZ, § 63.6590(c)(1)]
- (B) The stack associated with this source shall not exhibit greater than 10% opacity measured in accordance with 40 CFR Part 60, Appendix A, Method 9 per COHRAR § 6.1.2. If opacity of 5% or greater is observed from the stack, the operator shall investigate the cause and make any necessary corrective actions. [COHRAR §§ 1.9.2, 3.5.4]
- (C) Only Low Sulfur Diesel Fuel (15 ppm) with a sulfur content of 15 ppm or less may be used as fuel in the diesel fueled emergency generator. [COHRAR § 3.5.4]

2. Work Practice Requirements

- (A) Each diesel-fired engine must be operated and maintained in accordance with the manufacturers' recommendations. [COHRAR Part 13.2 Subpart IIII, § 60.4211(a)(1); COHRAR Part 14.5 Subpart ZZZZ, § 63.6625(e)]
- (B) As a minimum, the following maintenance schedule shall be utilized for the diesel-fueled fire pump engine: [COHRAR § 3.5.4, Part 14.5 Subpart ZZZZ, § 63.6603(a), Table 2d.4]:
- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
 - (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
 - (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
 - (4) Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

- (C) The permittee shall utilize good work practices that are practically and economically feasible that reasonably minimize diesel usage in all operations. Diesel fuel will be handled in such a way as to minimize VOC emissions from storage, handling, and cleanup. Fresh or spent diesel fuel will be stored in closed containers. [COHRAR § 3.5.4]

3. Monitoring Requirements

The diesel-fueled emergency generator engine must be equipped with a non-resettable hour meter. [COHRAR Part 13.2 Subpart III, § 60.4209; COHRAR Part 14.5 Subpart ZZZZ, § 63.6625(f)]

4. Operational Limitations

- (A) The diesel-fueled emergency generator engine is to be operated as an emergency stationary RICE (Reciprocating Internal Combustion Engines) as defined in § 63.6675. [COHRAR § 3.1.2(g) and Part 13.2 Subpart III, §§ 60.4211(f), 60.4219; COHRAR Part 14.5 Subpart ZZZZ, §§ 63.6640(f), 63.6675]
- (B) The following operational limitations apply to this unit: [COHRAR Part 13.2 Subpart III, § 60.4211(f); COHRAR Part 14.5 Subpart ZZZZ, § 63.6640(f)]
- (1) There is no time limit on the use of the emergency engine in emergency situations.
 - (2) Each emergency generator engine may be operated for maintenance checks and readiness testing, for a maximum of 100 hours per calendar year, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph III.B.4.(A)(3) below counts as part of the 100 hours per calendar year allowed by this paragraph III.B.4.(A)(2).
 - (3) Each emergency engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph III.B.4.(2) above. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. The preceding limitation notwithstanding, the 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

- (A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;
- (B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
- (C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
- (D) The power is provided only to the facility itself or to support the local transmission and distribution system.
- (E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

5. **Record-keeping Requirements**

- (A) Records of all maintenance performed on each engine pursuant to the requirements of paragraph III.B.2. above shall be maintained in a form suitable for inspection. [COHRAR Part 13.2 Subpart III § 60.4214(a)(2)(ii); COHRAR Part 14.5 Subpart ZZZZ, § 63.6655(e)]
- (B) Records of the hours of operation of each engine must be maintained, which are recorded through the non-resettable hour meters required by paragraph III.B.3. above. These records must be maintained in a form suitable for inspection and shall include 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, including a description of the non-emergency operation sufficiently detailed to demonstrate that the restrictions on non-emergency operation included in subparagraph III.B.4. above have not been violated. [COHRAR § 1.9.1 and Part 13.2 Subpart III, § 60.4214(b); COHRAR Part 14.5 Subpart ZZZZ § 63.6655(f)]
- (C) Billing statements from supplier(s) may be used to record the sulfur content of diesel fuel supplied. Such records shall be maintained and prepared in a form suitable for inspection within thirty (30) days of the end of the calendar month during which the fuel was received.

III.C. FEDERAL STRATOSPHERIC OZONE PROTECTION REQUIREMENTS

1. The permittee shall service, repair and maintain all appliances and refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances listed as refrigerants in 40 CFR Part 82, Subpart A, Appendices A and B, in accordance with the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Subpart F. [40 CFR Part 82, Subpart F; COHRAR § 3.9.5(a)]
2. No person under the direct or indirect control of the permittee shall knowingly vent or otherwise release any Class I or II substance into the environment during the repair, servicing or maintenance or disposal of any such appliance or refrigeration equipment except as provided in 40 CFR Part 82, Subpart F. [40 CFR Part 82, Subpart F; COHRAR § 3.9.5(a)]
3. The permittee shall comply with all reporting and record-keeping requirements in 40 CFR § 82.166. [40 CFR § 82.166; COHRAR § 3.9.5(a)]

IV. PERMIT SHIELD PROVISIONS

Not Applicable

V. TRIVIAL & INSIGNIFICANT ACTIVITIES

Not Applicable

VI. COMPLIANCE SCHEDULE

The permittee shall achieve compliance with the terms and conditions of this permit no later than:

Effective Date of Permit