

217/785-1705

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- NESHAP SOURCE

PERMITTEE

Enable Mississippi River Transmission LLC  
Attn: Lacey A. Ivey  
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| <u>Application No.:</u> 07070001   | <u>I.D. No.:</u> 119465AAE                |
| <u>Applicant's Designation:</u>  | <u>Date Received:</u> July 2, 2007        |
| <u>Subject:</u> Natural Gas Reciprocating Compressor Engines Units (Power Generation)                          |   |
| <u>Date Issued:</u> February 26, 2014  | <u>Expiration Date:</u> February 26, 2024 |
| <u>Location:</u> Horseshoe Lake Compressor Station, 3200 Edwardsville Road, Granite City, Madison County 62040 |   |

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of four (4) natural gas-fired internal combustion compressor engines-generators, with nominal capacity of 1,478-horsepower, each (Engines SN-01, SN-02, SN-03, and SN-04) equipped with catalytic converters (CN-01, CN-02, CN-03 and CN-04) as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons/year for Carbon Monoxide (CO) and Nitrogen Oxides (NO<sub>x</sub>)). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. For purposes of this FESOP, Enable Mississippi River Transmission LLC is not a "support facility", as defined in Section 39.5(1) of the Illinois Environmental Protection Act, for Ameren UE - Venice Power Station (I.D. #119105AAA). This determination is based on Enable Mississippi River Transmission LLC not assisting the Venice Power Station to a significant extent.
- c. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- d. This permit supersedes all operating permits issued for this location.
- 2a. The natural gas-fired internal combustion compressor engines-generators are subject to the National Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines 40 CFR 63 Subpart A and ZZZZ. The Illinois EPA is administering the NESHAP in Illinois on behalf of the United States IPA under a delegation agreement. Pursuant to 40 CFR 63.6585, an affected source is any

existing, new or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

- b. Pursuant to 40 CFR 63.6595(a)(1), if you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.
- c. Pursuant to 40 CFR 63.6603, compliance with the numerical emission limitations established in 40 CFR 63 Subpart ZZZZ is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in 40 CFR 63.6620 and Table 4 (see Attachment C) to 40 CFR 63 Subpart ZZZZ.
  - i. If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d (see Attachment B) to 40 CFR 63 Subpart ZZZZ and the operating limitations in Table 2b to 40 CFR 63 Subpart ZZZZ that apply to you.
  - ii. An existing non-emergency SI 4SLB and 4SRB stationary RICE with a site rating of more than 500 HP located at area sources of HAP must meet the definition of remote stationary RICE in 40 CFR 63.6675 on the initial compliance date for the engine, October 19, 2013, in order to be considered a remote stationary RICE under 40 CFR 63 Subpart ZZZZ. Owners and operators of existing non-emergency SI 4SLB and 4SRB stationary RICE with a site rating of more than 500 HP located at area sources of HAP that meet the definition of remote stationary RICE in 40 CFR 63.6675 of 40 CFR 63 Subpart ZZZZ as of October 19, 2013 must evaluate the status of their stationary RICE every 12 months. Owners and operators must keep records of the initial and annual evaluation of the status of the engine. If the evaluation indicates that the stationary RICE no longer meets the definition of remote stationary RICE in 40 CFR 63.6675, the owner or operator must comply with all of the requirements for existing non-emergency SI 4SLB and 4SRB stationary RICE with a site rating of more than 500

HP located at area sources of HAP that are not remote stationary RICE within 1 year of the evaluation.

- 3a. Pursuant to 35 Ill. Adm. Code 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 Ill. Adm. Code 212.122.
- b. Pursuant to 35 Ill. Adm. Code 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 meter (1000 foot) radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.
- c. Pursuant to 35 Ill. Adm. Code 212.301, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at the point beyond the property line of the source.
4. Pursuant to 35 Ill. Adm. Code 214.301, except as further provided by 35 Ill. Adm. Code Part 214, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission unit to exceed 2000 ppm.
5. This permit is issued based on the two 4.0 mmBtu/hour natural gas-fired boilers not being subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63 Subpart JJJJJJ. Pursuant to 40 CFR 63.11195(e), a gas-fired boiler as defined in 40 CFR 63 Subpart JJJJJJ are not subject to 40 CFR 63 Subpart JJJJJJ and to any requirements in 40 CFR 63 Subpart JJJJJJ.
6. Pursuant to 35 Ill. Adm. Code 212.314, 35 Ill. Adm. Code 212.301 shall not apply and spraying pursuant to 35 Ill. Adm. Code 212.304 through 212.310 and 35 Ill. Adm. Code 212.312 shall not be required when the wind speed is greater than 40.2 km/hour (25 mph). Determination of wind speed for the purposes of this rule shall be by a one-hour average or hourly recorded value at the nearest official station of the U.S. Weather Bureau or by wind speed instruments operated on the site. In cases where the duration of operations subject to this rule is less than one hour, wind speed may be averaged over the duration of the operations on the basis of on-site wind speed instrument measurements.

- 7a. Pursuant to 40 CFR 63.6605(a), you must be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR 63 Subpart ZZZZ that apply to you at all times.
- b. Pursuant to 40 CFR 63.6605(b), at all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Illinois EPA or USEPA which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
- c. Pursuant to 40 CFR 63.6625(h), if you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply.
- d. Pursuant to 40 CFR 63.6625(j), if you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to 40 CFR 63 Subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d to 40 CFR 63 Subpart ZZZZ, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to 40 CFR 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 40 CFR 63 Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

- e. Pursuant to 40 CFR 63.6630(a), you must demonstrate initial compliance with each emission limitation, operating limitation, and other requirement that applies to you according to Table 5 (see Attachment D) of 40 CFR 63 Subpart ZZZZ.
- f. Pursuant to 40 CFR 63.6630(b), during the initial performance test, you must establish each operating limitation in Tables 1b and 2b of 40 CFR 63 Subpart ZZZZ that applies to you.
- g. Pursuant to 40 CFR 63.6630(c), you must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.6645.
- h. Pursuant to 40 CFR 63.6630(d), non-emergency 4SRB stationary RICE complying with the requirement to reduce formaldehyde emissions by 76 percent or more can demonstrate initial compliance with the formaldehyde emission limit by testing for THC instead of formaldehyde. The testing must be conducted according to the requirements in Table 4 of 40 CFR 63 Subpart ZZZZ. The average reduction of emissions of THC determined from the performance test must be equal to or greater than 30 percent.
- i. Pursuant to 40 CFR 63.6640(a), you must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to 40 CFR 63 Subpart ZZZZ that apply to you according to methods specified in Table 6 (see Attachment E) to 40 CFR 63 Subpart ZZZZ.
- j. Pursuant to 40 CFR 63.6665, Table 8 (see Attachment G) to 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.

- 8a. Each catalytic converter shall be in operation at all times when the associated natural gas-fired internal combustion compressor engine-generator is in operation and emitting air contaminants.
  - b. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the catalytic converters such that the catalytic converters are kept in proper working condition and not cause a violation of the Illinois Environmental Protection Act or regulations promulgated therein.
  - c. Engines SN-01, SN-02, SN-03, and SN-04 shall only be operated with natural gas as the fuel. The use of any other fuel in the engines requires that the Permittee first obtain a construction permit from the Illinois EPA and then perform stack testing to verify compliance with all applicable requirements.
- 9a. Annual emissions from compressor engines SN-01, SN-02, SN-03, and SN-04 shall not exceed the following Limits:

- i. Natural gas usage: 40.5 mmscf/month; 405 mmscf/year
- ii. The emissions of all the engines during startup shall not exceed the following limits:

| <u>Pollutant</u> | <u>Total Startups<br/>(Startups/Year)</u> | <u>Emission Limits</u> |                    |
|------------------|---|------------------------|--------------------|
|                  |   | <u>(lbs/Start)</u>     | <u>(Tons/Year)</u> |
| CO               |   | 7.0                    | 6.39               |
| NO <sub>x</sub>  | 1,825                                     | 4.0                    | 3.65               |
| PM <sub>10</sub> |   | 0.04                   | 0.04               |
| VOM              |   | 0.001                  | 0.01               |

- iii. The emissions of all the engines during normal operation shall not exceed the following limits:

| <u>Pollutant</u> | <u>Emission Factors</u> |                    | <u>Emission Limits</u> |                    |
|------------------|-------------------------|--------------------|------------------------|--------------------|
|                  | <u>(gm/Hp-Hr)</u>       | <u>(lbs/mmBtu)</u> | <u>(Tons/Month)</u>    | <u>(Tons/Year)</u> |
| CO               | 1.20                    |                    | 5.70                   | 68.45              |
| NO <sub>x</sub>  | 1.20                    |                    | 5.70                   | 68.45              |
| PM <sub>10</sub> |                         | 0.0095             | 0.04                   | 0.48               |
| SO <sub>2</sub>  |                         | 0.000588           | 0.015                  | 0.18               |
| VOM              | 0.18                    |                    | 0.86                   | 10.27              |

The limits are based on the maximum fuel usage for all engines operating at capacity for 8760 hours/year, the maximum number of startups per year, and emission factors supplied by the manufacturer of the engines. Manufacturer's data, Table 3.2-3 (AP 42, Fifth Edition, Volume I - Supplement F, August 2000), and 90% reduction efficiency for CO and NO<sub>x</sub> and 50% reduction efficiency for VOM and formaldehyde for the catalytic converters.

- b. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- 10. This permit is issued based on the Potential to Emit (PTE) for Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act from this source being less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a CAAPP Permit from the Illinois EPA.
- 11a. Pursuant to 40 CFR 63.6620(a), you must conduct each performance test in Tables 3 and 4 of 40 CFR 63 Subpart ZZZZ that applies to you.
  - b. Pursuant to 40 CFR 63.6620(b), each performance test must be conducted according to the requirements that 40 CFR 63 Subpart ZZZZ specifies in Table 4 to 40 CFR 63 Subpart ZZZZ. If you own or operate a non-operational stationary RICE that is subject to performance testing, you do not need to start up the engine solely to conduct the performance test. Owners and operators of a non-operational engine can conduct the performance test when the engine is started up again. The test must be conducted at any load condition within plus or minus 10 percent of 100 percent load for the stationary RICE listed in 40 CFR 63.6620(b) (1) through (4).
  - c. Pursuant to 40 CFR 63.6620(d), you must conduct three separate test runs for each performance test required in 40 CFR 63.6620, as specified in 40 CFR 63.7(e)(3). Each test run must last at least 1 hour, unless otherwise specified in 40 CFR 63 Subpart ZZZZ.
  - e. i. Pursuant to 40 CFR 63.6620(e) (1), you must use Equation 1 of 40 CFR 63.6620 to determine compliance with the percent reduction requirement:

$$\frac{C_i - C_o}{C_i} \times 100 = R \quad (\text{Eq. 1})$$

Where:

$C_i$  = concentration of carbon monoxide (CO), total hydrocarbons (THC), or formaldehyde at the control device inlet,

$C_o$  = concentration of CO, THC, or formaldehyde at the control device outlet, and

R = percent reduction of CO, THC, or formaldehyde emissions.

- ii. Pursuant to 40 CFR 63.6620(e) (2), you must normalize the CO, THC, or formaldehyde concentrations at the inlet and outlet of the

control device to a dry basis and to 15 percent oxygen, or an equivalent percent carbon dioxide (CO<sub>2</sub>). If pollutant concentrations are to be corrected to 15 percent oxygen and CO<sub>2</sub> concentration is measured in lieu of oxygen concentration measurement, a CO<sub>2</sub> correction factor is needed. Calculate the CO<sub>2</sub> correction factor as described in 40 CFR 63.6620(e)(2)(i) through (iii).

- A. Calculate the fuel-specific F<sub>o</sub> value for the fuel burned during the test using values obtained from Method 19, Section 5.2, and the following equation:

$$F_o = \frac{0.209 F_d}{F_c} \quad (\text{Eq. 2})$$

Where:

F<sub>o</sub> = Fuel factor based on the ratio of oxygen volume to the ultimate CO<sub>2</sub> volume produced by the fuel at zero percent excess air.

0.209 = Fraction of air that is oxygen, percent/100.

F<sub>d</sub> = Ratio of the volume of dry effluent gas to the gross calorific value of the fuel from Method 19, dsm<sup>3</sup>/J (dscf/10<sup>6</sup> Btu).

F<sub>c</sub> = Ratio of the volume of CO<sub>2</sub> produced to the gross calorific value of the fuel from Method 19, dsm<sup>3</sup>/J (dscf/10<sup>6</sup> Btu).

- B. Calculate the CO<sub>2</sub> correction factor for correcting measurement data to 15 percent oxygen, as follows:

$$X_{co_2} = \frac{5.9}{F_o} \quad (\text{Eq. 3})$$

Where:

X<sub>co2</sub> = CO<sub>2</sub> correction factor, percent.

5.9 = 20.9 percent O<sub>2</sub> - 15 percent O<sub>2</sub>, the defined O<sub>2</sub> correction value, percent.

- C. Calculate the CO, THC, and formaldehyde gas concentrations adjusted to 15 percent O<sub>2</sub> using CO<sub>2</sub> as follows:

$$C_{adj} = C_d \frac{X_{co_2}}{\%CO_2} \quad (\text{Eq. 4})$$

Where:

$C_{adj}$  = Calculated concentration of CO, THC, or formaldehyde adjusted to 15 percent O<sub>2</sub>.

$C_d$  = Measured concentration of CO, THC, or formaldehyde, uncorrected.

$X_{CO_2}$  = CO<sub>2</sub> correction factor, percent.

%CO<sub>2</sub> = Measured CO<sub>2</sub> concentration measured, dry basis, percent.

- f. Pursuant to 40 CFR 63.6620(f), if you comply with the emission limitation to reduce CO and you are not using an oxidation catalyst, if you comply with the emission limitation to reduce formaldehyde and you are not using NSCR, or if you comply with the emission limitation to limit the concentration of formaldehyde in the stationary RICE exhaust and you are not using an oxidation catalyst or NSCR, you must petition the Illinois EPA or USEPA for operating limitations to be established during the initial performance test and continuously monitored thereafter; or for approval of no operating limitations. You must not conduct the initial performance test until after the petition has been approved by the Illinois EPA or USEPA.
- g. Pursuant to 40 CFR 63.6620(i), the engine percent load during a performance test must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination must be included in the notification of compliance status. The following information must be included in the written report: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, the model number of the measurement device, and an estimate of its accurate in percentage of true value must be provided.
- h. Pursuant to 40 CFR 63.6630(e), the initial compliance demonstration required for existing non-emergency 4SLB and 4SRB stationary RICE with a site rating of more than 500 HP located at an area source of HAP that are not remote stationary RICE and that are operated more than 24 hours per calendar year must be conducted according to the following requirements:
  - i. The compliance demonstration must consist of at least three test runs.

- ii. Each test run must be of at least 15 minute duration, except that each test conducted using the method in Appendix A to 40 CFR 63 Subpart ZZZZ must consist of at least one measurement cycle and include at least 2 minutes of test data phase measurement.
  - iii. If you are demonstrating compliance with the CO concentration or CO percent reduction requirement, you must measure CO emissions using one of the CO measurement methods specified in Table 4 of 40 CFR 63 Subpart ZZZZ, or using Appendix A to 40 CFR 63 Subpart ZZZZ.
  - iv. If you are demonstrating compliance with the THC percent reduction requirement, you must measure THC emissions using Method 25A, reported as propane, of 40 CFR Part 60, Appendix A.
  - v. You must measure O<sub>2</sub> using one of the O<sub>2</sub> measurement methods specified in Table 4 of 40 CFR 63 Subpart ZZZZ. Measurements to determine O<sub>2</sub> concentration must be made at the same time as the measurements for CO or THC concentration.
  - vi. If you are demonstrating compliance with the CO or THC percent reduction requirement, you must measure CO or THC emissions and O<sub>2</sub> emissions simultaneously at the inlet and outlet of the control device.
- i. Pursuant to 40 CFR 63.6640(c), the annual compliance demonstration required for existing non-emergency 4SLB and 4SRB stationary RICE with a site rating of more than 500 HP located at an area source of HAP that are not remote stationary RICE and that are operated more than 24 hours per calendar year must be conducted according to the following requirements:
- i. The compliance demonstration must consist of at least one test run.
  - ii. Each test run must be of at least 15 minute duration, except that each test conducted using the method in Appendix A to 40 CFR 63 Subpart ZZZZ must consist of at least one measurement cycle and include at least 2 minutes of test data phase measurement.
  - iii. If you are demonstrating compliance with the CO concentration or CO percent reduction requirement, you must measure CO emissions using one of the CO measurement methods specified in Table 4 of 40 CFR 63 Subpart ZZZZ, or using Appendix A to 40 CFR 63 Subpart ZZZZ.
  - iv. If you are demonstrating compliance with the THC percent reduction requirement, you must measure THC emissions using Method 25A, reported as propane, of 40 CFR Part 60, Appendix A.
  - v. You must measure O<sub>2</sub> using one of the O<sub>2</sub> measurement methods specified in Table 4 of 40 CFR 63 Subpart ZZZZ. Measurements to

determine O<sub>2</sub> concentration must be made at the same time as the measurements for CO or THC concentration.

- vi. If you are demonstrating compliance with the CO or THC percent reduction requirement, you must measure CO or THC emissions and O<sub>2</sub> emissions simultaneously at the inlet and outlet of the control device.
  - vii. If the results of the annual compliance demonstration show that the emissions exceed the levels specified in Table 6 of 40 CFR 63 Subpart ZZZZ, the stationary RICE must be shut down as soon as safely possible, and appropriate corrective action must be taken (e.g., repairs, catalyst cleaning, catalyst replacement). The stationary RICE must be retested within 7 days of being restarted and the emissions must meet the levels specified in Table 6 of 40 CFR 63 Subpart ZZZZ. If the retest shows that the emissions continue to exceed the specified levels, the stationary RICE must again be shut down as soon as safely possible, and the stationary RICE may not operate, except for purposes of startup and testing, until the owner/operator demonstrates through testing that the emissions do not exceed the levels specified in Table 6 of 40 CFR 63 Subpart ZZZZ.
- 12a. Pursuant to 35 Ill. Adm. Code 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
- i. Testing by Owner or Operator. The Illinois EPA may require the owner or operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the Illinois EPA, at such reasonable times as may be specified by the Illinois EPA and at the expense of the owner or operator of the emission source or air pollution control equipment. The Illinois EPA may adopt procedures detailing methods of testing and formats for reporting results of testing. Such procedures and revisions thereto, shall not become effective until filed with the Secretary of State, as required by the APA Act. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The Illinois EPA shall have the right to observe all aspects of such tests.
  - ii. Testing by the Illinois EPA. The Illinois EPA shall have the right to conduct such tests at any time at its own expense. Upon request of the Illinois EPA, the owner or operator of the emission source or air pollution control equipment shall provide, without charge to the Illinois EPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including

scaffolding, but excluding instruments and sensing devices, as may be necessary.

- b. Testing required by Condition 13 shall be performed upon a written request from the Illinois EPA by a qualified independent testing service.
13. Pursuant to 35 Ill. Adm. Code 212.110(c), upon a written notification by the Illinois EPA, the owner or operator of a particulate matter emission unit subject to 35 Ill. Adm. Code Part 212 shall conduct the applicable testing for particulate matter emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Illinois EPA within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Illinois EPA.
- 14a. Pursuant to 40 CFR 63.6625(a), if you elect to install a CEMS as specified in Table 5 of 40 CFR 63 Subpart ZZZZ, you must install, operate, and maintain a CEMS to monitor CO and either O<sub>2</sub> or CO<sub>2</sub> according to the requirements in 40 CFR 63.6625(a)(1) through (4). If you are meeting a requirement to reduce CO emissions, the CEMS must be installed at both the inlet and outlet of the control device. If you are meeting a requirement to limit the concentration of CO, the CEMS must be installed at the outlet of the control device
- i. Each CEMS must be installed, operated, and maintained according to the applicable performance specifications of 40 CFR Part 60, Appendix B.
  - ii. You must conduct an initial performance evaluation and an annual relative accuracy test audit (RATA) of each CEMS according to the requirements in 40 CFR 63.8 and according to the applicable performance specifications of 40 CFR Part 60, Appendix B as well as daily and periodic data quality checks in accordance with 40 CFR Part 60, Appendix F, Procedure 1.
  - iii. As specified in 40 CFR 63.8(c)(4)(ii), each CEMS must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. You must have at least two data points, with each representing a different 15-minute period, to have a valid hour of data.
  - iv. The CEMS data must be reduced as specified in 40 CFR 63.8(g)(2) and recorded in parts per million or parts per billion (as appropriate for the applicable limitation) at 15 percent oxygen or the equivalent CO<sub>2</sub> concentration.
- b. Pursuant to 40 CFR 63.6625(b), if you are required to install a continuous parameter monitoring system (CPMS) as specified in Table 5 of 40 CFR 63 Subpart ZZZZ, you must install, operate, and maintain each CPMS according to the requirements in 40 CFR 63.6625(b)(1) through (6). For an affected source that is complying with the emission limitations

and operating limitations on March 9, 2011, the requirements in 40 CFR 63.6625(b) are applicable September 6, 2011.

- i. You must prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in 40 CFR 63.6625(b)(1)(i) through (v) and in 40 CFR 63.8(d). As specified in 40 CFR 63.8(f)(4), you may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in 40 CFR 63.6625(b)(1) through (5) in your site-specific monitoring plan.
    - A. The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;
    - B. Sampling interface (e.g., thermocouple) location such that the monitoring system will provide representative measurements;
    - C. Equipment performance evaluations, system accuracy audits, or other audit procedures;
    - D. Ongoing operation and maintenance procedures in accordance with provisions in 40 CFR 63.8(c)(1)(ii) and (c)(3); and
    - E. Ongoing reporting and recordkeeping procedures in accordance with provisions in 40 CFR 63.10(c), (e)(1), and (e)(2)(i).
  - ii. You must install, operate, and maintain each CPMS in continuous operation according to the procedures in your site-specific monitoring plan.
  - iii. The CPMS must collect data at least once every 15 minutes (see also 40 CFR 63.6635).
  - iv. For a CPMS for measuring temperature range, the temperature sensor must have a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit) or 1 percent of the measurement range, whichever is larger.
  - v. You must conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan at least annually.
  - vi. You must conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.
- c. Pursuant to 40 CFR 63.6625(j), if you own or operate a stationary SI engine that is subject to the work, operation or management practices

in items 6, 7, or 8 of Table 2c to 40 CFR 63 Subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d to 40 CFR 63 Subpart ZZZZ, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to 40 CFR 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 40 CFR 63 Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

- d. Pursuant to 40 CFR 63.6635(a), if you must comply with emission and operating limitations, you must monitor and collect data according to 40 CFR 63.6635.
  - e. Pursuant to 40 CFR 63.6635(b), except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, you must monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
  - f. Pursuant to 40 CFR 63.6635(c), you may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. You must, however, use all the valid data collected during all other periods.
15. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under 40 CFR Part 63) because of limitations on the source's potential

to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner or operator to obtain a Title V permit.

- 16a. Pursuant to 40 CFR 63.6655(a), if you must comply with the emission and operating limitations, you must keep the records described in 40 CFR 63.6655(a)(1) through (a)(5), (b)(1) through (b)(3) and (c).
  - i. A copy of each notification and report that you submitted to comply with 40 CFR 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).
  - ii. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
  - iii. Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).
  - iv. Records of all required maintenance performed on the air pollution control and monitoring equipment.
  - v. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- b. Pursuant to 40 CFR 63.6655(b), for each CEMS or CPMS, you must keep the records listed in 40 CFR 63.6655(b)(1) through (3).
  - i. Records described in 40 CFR 63.10(b)(2)(vi) through (xi).

- ii. Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3).
- iii. Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in 40 CFR 63.8(f)(6)(i), if applicable.
- c. Pursuant to 40 CFR 63.6655(d), you must keep the records required in Table 6 of 40 CFR 63 Subpart ZZZZ to show continuous compliance with each emission or operating limitation that applies to you.
- d. Pursuant to 40 CFR 63.6655(e)(3), you must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE; An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to 40 CFR 63 Subpart ZZZZ.
- e. Pursuant to 40 CFR 63.6660(a), your records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).
- f. Pursuant to 40 CFR 63.6660(b), as specified in 40 CFR 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- g. Pursuant to 40 CFR 63.6660(c), you must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).
- 17. Pursuant to 35 Ill. Adm. Code 212.110(e), the owner or operator of an emission unit subject to 35 Ill. Adm. Code Part 212 shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
- 18a. The Permittee shall maintain records of the following items so as to demonstrate compliance with the conditions of this permit:
  - i. Records addressing use of good operating practices for the catalytic converters:
    - A. Records for periodic inspection of the catalytic converters with date, individual performing the inspection, and nature of inspection; and

- B. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired, and nature of repair.
- ii. Total usage of fuel for the engines, (scf/month and scf/year);
- iii. Fuel usage of individual engines or other operating data (e.g., hours of operation or megawatts generated from each engine) to allow total fuel usage, as recorded above, to be apportioned among the individual engines as necessary to calculate emissions.
- iv. The Permittee shall maintain records for each startup of each engine, that at a minimum shall include:
  - A. The following information for each startup of an engine:
    - I. Date and time of startup;
    - II. A description of startup, if operating problems are identified during the startup; and
    - III. Date and time of completion of initial engine burn-in.
  - B. The following information for each engine when above normal opacity has been observed by source personnel:
    - I. Name of observer, position and reason for being at site;
    - II. Date and duration of above normal opacity, including start time and time normal operation was achieved;
    - III. If normal operation was not achieved within 10 minutes, an explanation why normal operation could not be achieved in 10 minutes;
    - IV. A detailed description of the startup, including reason for operation and an explanation why established startup procedures could not be performed, if not performed;
    - V. The nature of opacity following the end of startup or 10 minutes of operation, whichever occurs first, and duration of operation until achievement of normal opacity or shutdown; and
    - VI. Whether exceedance of Condition 9(a) may have occurred during startup, with explanation, if qualified observer was on-site.

- v. Monthly and annual emissions of CO, NO<sub>x</sub>, PM, PM<sub>10</sub>, SO<sub>2</sub>, and VOM, from the source with supporting calculations (tons/month and tons/year).
  - b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer storage device) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
- 19a. Pursuant to 40 CFR 63.6640(b), you must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to 40 CFR 63 Subpart ZZZZ that apply to you. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR 63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.
- b. Pursuant to 40 CFR 63.6640(e), you must also report each instance in which you did not meet the requirements in Table 8 to 40 CFR 63 Subpart ZZZZ that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to 40 CFR 63 Subpart ZZZZ: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to 40 CFR 63 Subpart ZZZZ, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.
  - c. Pursuant to 40 CFR 63.6645(a)(2), you must submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6),

63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following: An existing stationary RICE located at an area source of HAP emissions.

- d. Pursuant to 40 CFR 63.6645(g), if you are required to conduct a performance test, you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1).
- e. Pursuant to 40 CFR 63.6645(h), if you are required to conduct a performance test or other initial compliance demonstration as specified in Tables 4 and 5 to 40 CFR 63 Subpart ZZZZ, you must submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii).
  - i. For each initial compliance demonstration required in Table 5 to 40 CFR 63 Subpart ZZZZ that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.
  - ii. For each initial compliance demonstration required in Table 5 to 40 CFR 63 Subpart ZZZZ that includes a performance test conducted according to the requirements in Table 3 to 40 CFR 63 Subpart ZZZZ, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to 40 CFR 63.10(d)(2).
- f. Pursuant to 40 CFR 63.6650(a), you must submit each report in Table 7 (see Attachment F) of 40 CFR 63 Subpart ZZZZ that applies to you.
- g. Pursuant to 40 CFR 63.6650(b), unless the Illinois EPA or USEPA has approved a different schedule for submission of reports under 40 CFR 63.10(a), you must submit each report by the date in Table 7 of 40 CFR 63 Subpart ZZZZ and according to the requirements in 40 CFR 63.6650(b)(1) through (b)(9).
  - i. For semiannual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in 40 CFR 63.6595 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in 40 CFR 63.6595.
  - ii. For semiannual Compliance reports, the first Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for your affected source in 40 CFR 63.6595.
  - iii. For semiannual Compliance reports, each subsequent Compliance report must cover the semiannual reporting period from January 1

through June 30 or the semiannual reporting period from July 1 through December 31.

- iv. For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
- v. For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in 40 CFR 63.6595 and ending on December 31.
- vi. For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for your affected source in 40 CFR 63.6595.
- vii. For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.
- viii. For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.
- h. Pursuant to 40 CFR 63.6650(c), the Compliance report must contain the information in 40 CFR 63.6650(c)(1) through (6).
  - i. Company name and address.
  - ii. Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
  - iii. Date of report and beginning and ending dates of the reporting period.
  - iv. If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.
  - v. If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

- vi. If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.
- i. Pursuant to 40 CFR 63.6650(d), for each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in 40 CFR 63 Subpart ZZZZ, the Compliance report must contain the information in 40 CFR 63.6650(c)(1) through (4) and the information in 40 CFR 63.6650(d)(1) and (2).
  - i. The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
  - ii. Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.
- j. Pursuant to 40 CFR 63.6650(e), for each deviation from an emission or operating limitation occurring for a stationary RICE where you are using a CMS to comply with the emission and operating limitations in 40 CFR 63 Subpart ZZZZ, you must include information in 40 CFR 63.6650(c)(1) through (4) and (e)(1) through (12).
  - i. The date and time that each malfunction started and stopped.
  - ii. The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.
  - iii. The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR 63.8(c)(8).
  - iv. The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
  - v. A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
  - vi. A breakdown of the total duration of the deviation during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
  - vii. A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.

- viii. An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.
  - ix. A brief description of the stationary RICE.
  - x. A brief description of the CMS.
  - xi. The date of the latest CMS certification or audit.
  - xii. A description of any changes in CMS, processes, or controls since the last reporting period.
20. Pursuant to 35 Ill. Adm. Code 212.110(d), a person planning to conduct testing for particulate matter emissions to demonstrate compliance shall give written notice to the Illinois EPA of that intent. Such notification shall be given at least thirty (30) days prior to the initiation of the test unless a shorter period is agreed to by the Illinois EPA. Such notification shall state the specific test methods from 35 Ill. Adm. Code 212.110 that will be used.
- 21a. If there is an exceedance of or a deviation from the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance or deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or deviation and efforts to reduce emissions and future occurrences.
- b. Two copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
2009 Mall Street  
Collinsville, Illinois 62234

It should be noted that the two (2) 4.0 mmBtu/hr natural gas fired boilers and the 320 hp gas fired emergency generator engine are exempt from permitting, pursuant to 35 Ill. Adm. Code 201.146(d) and (i).

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If you have any questions concerning this permit, please call German Barria at 217/785-1705.

Raymond E. Pilapil  
Acting Manager, Permit Section  
Division of Air Pollution Control

Date Signed: \_\_\_\_\_

REP:GB:psj

cc: Illinois EPA, FOS Region 3  
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emission of the natural gas compressor station operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from the source. The resulting maximum emissions are below the threshold levels (e.g., 100 tons per year of CO and NO<sub>x</sub>) at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that natural gas fuel usage is less and control measures are more effective than that allowed in this permit.

| <u>Emission Unit</u>             | E M I S S I O N S (Tons/Year) |                       |           |                       |            |
|----------------------------------|-------------------------------|-----------------------|-----------|-----------------------|------------|
|                                  | <u>CO</u>                     | <u>NO<sub>x</sub></u> | <u>PM</u> | <u>SO<sub>2</sub></u> | <u>VOM</u> |
| Four 1,478 Hp Compressor Engines | 74.84                         | 72.10                 | 0.52      | 0.18                  | 10.28      |

Attachment B - Table 2d to Subpart ZZZZ of Part 63 - Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in 40 CFR 63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

| <b>For each . . .</b>  | <b>You must meet the following requirement, except during periods of startup . . .</b>                                      | <b>During periods of startup you must . . .</b> |
|--|---|---|
| 7. Non-emergency, non-black start 4SLB stationary RICE ≤500 HP   | a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first; <sup>1</sup>                    |   |
|  | b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first, and replace as necessary; and     |   |
|  | c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary. |   |
| 8. Non-emergency, non-black start 4SLB remote stationary RICE >500 HP  | a. Change oil and filter every 2,160 hours of operation or annually, whichever comes first; <sup>1</sup>                    |   |
|  | b. Inspect spark plugs every 2,160 hours of operation or annually, whichever comes first, and replace as necessary; and     |   |
|  | c. Inspect all hoses and belts every 2,160 hours of operation or annually, whichever comes first, and replace as necessary. |   |
| 9. Non-emergency, non-black start 4SLB stationary RICE >500 HP that are not remote stationary RICE and that operate more than 24 hours per calendar year | Install an oxidation catalyst to reduce HAP emissions from the stationary RICE.   |   |
| 11. Non-emergency, non-black start 4SRB remote stationary RICE >500 HP   | a. Change oil and filter every 2,160 hours of operation or annually, whichever comes first; <sup>1</sup>                    |   |

| For each . . .  | You must meet the following requirement, except during periods of startup . . .  | During periods of startup you must . . . |
|---|--|--|
|   | b. Inspect spark plugs every 2,160 hours of operation or annually, whichever comes first, and replace as necessary; and    |  |
|   | c. Inspect all hoses and belts every 2,160 hours of operation or annually, whichever comes first, and replace as necessary |  |
| 12. Non-emergency, non-black start 4SRB stationary RICE >500 HP that are not remote stationary RICE and that operate more than 24 hours per calendar year | Install NSCR to reduce HAP emissions from the stationary RICE  |  |

<sup>1</sup> Sources have the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of 40 CFR 63 Subpart ZZZZ.

<sup>2</sup> If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of 40 CFR 63 Subpart ZZZZ, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

Attachment C - Table 4 to Subpart ZZZZ of Part 63 - Requirements for Performance Tests

As stated in 40 CFR 63.6610, 63.6611, 63.6612, 63.6620, and 63.6640, you must comply with the following requirements for performance tests for stationary RICE:

| For each . . .                        | Complying with the requirement to . . . | You must . . .   | Using . . .   | According to the following requirements . . .  |
|---------------------------------------|---|--|---|--|
| 1. 2SLB, 4SLB, and CI stationary RICE | a. reduce CO emissions                  | i. Measure the O <sub>2</sub> at the inlet and outlet of the control device; and | (1) Method 3 or 3A or 3B of 40 CFR Part 60, Appendix A, or ASTM Method D6522-00 (Reapproved 2005). <sup>ac</sup>              | (a) Measurements to determine O <sub>2</sub> must be made at the same time as the measurements for CO concentration.                                 |
|                                       |   | ii. Measure the CO at the inlet and the outlet of the control device             | (1) ASTM D6522-00 (Reapproved 2005) <sup>abc</sup> or Method 10 of 40 CFR Part 60, Appendix A                                 | (a) The CO concentration must be at 15 percent O <sub>2</sub> , dry basis.   |
| 2. 4SRB stationary RICE               | a. reduce formaldehyde emissions        | i. Select the sampling port location and the number of traverse points; and      | (1) Method 1 or 1A of 40 CFR Part 60, Appendix A §63.7(d)(1)(i)   | (a) sampling sites must be located at the inlet and outlet of the control device.  |
|                                       |   | ii. Measure O <sub>2</sub> at the inlet and outlet of the control device; and    | (1) Method 3 or 3A or 3B of 40 CFR Part 60, Appendix A, or ASTM Method D6522-00 (Reapproved 2005). <sup>a</sup>               | (a) measurements to determine O <sub>2</sub> concentration must be made at the same time as the measurements for formaldehyde or THC concentration.  |
|                                       |   | iii. Measure moisture content at the inlet and outlet of the control device; and | (1) Method 4 of 40 CFR Part 60, Appendix A, or Test Method 320 of 40 CFR Part 63, Appendix A, or ASTM D 6348-03. <sup>a</sup> | (a) measurements to determine moisture content must be made at the same time and location as the measurements for formaldehyde or THC concentration. |

| For each . . .     | Complying with the requirement to . . .   | You must . . .  | Using . . .   | According to the following requirements . . .  |
|--------------------|---|---|---|--|
|                    |   | iv. If demonstrating compliance with the formaldehyde percent reduction requirement, measure formaldehyde at the inlet and the outlet of the control device | (1) Method 320 or 323 of 40 CFR Part 63, Appendix A; or ASTM D6348-03, <sup>a</sup> provided in ASTM D6348-03 Annex A5 (Analyte Spiking Technique), the percent R must be greater than or equal to 70 and less than or equal to 130 | (a) formaldehyde concentration must be at 15 percent O <sub>2</sub> , dry basis. Results of this test consist of the average of the three 1-hour or longer runs. |
|                    |   | v. If demonstrating compliance with the THC percent reduction requirement, measure THC at the inlet and the outlet of the control device                    | (1) Method 25A, reported as propane, of 40 CFR Part 60, Appendix A  | (a) THC concentration must be at 15 percent O <sub>2</sub> , dry basis. Results of this test consist of the average of the three 1-hour or longer runs.          |
| 3. Stationary RICE | a. limit the concentration of formaldehyde or CO in the stationary RICE exhaust | i. Select the sampling port location and the number of traverse points; and   | (1) Method 1 or 1A of 40 CFR Part 60, Appendix A §63.7(d)(1)(i)   | (a) if using a control device, the sampling site must be located at the outlet of the control device.  |
|                    |   | ii. Determine the O <sub>2</sub> concentration of the stationary RICE exhaust at the sampling port location; and  | (1) Method 3 or 3A or 3B of 40 CFR Part 60, Appendix A, or ASTM Method D6522-00 (Reapproved 2005). <sup>a</sup>   | (a) measurements to determine O <sub>2</sub> concentration must be made at the same time and location as the measurements for formaldehyde or CO concentration.  |

| For each . . . | Complying with the requirement to . . . | You must . . .  | Using . . .   | According to the following requirements . . .  |
|----------------|---|---|---|--|
|                |   | iii. Measure moisture content of the stationary RICE exhaust at the sampling port location; and | (1) Method 4 of 40 CFR Part 60, Appendix A, or Test Method 320 of 40 CFR Part 63, Appendix A, or ASTM D 6348-03. <sup>a</sup>   | (a) measurements to determine moisture content must be made at the same time and location as the measurements for formaldehyde or CO concentration.              |
|                |   | iv. Measure formaldehyde at the exhaust of the stationary RICE; or                              | (1) Method 320 or 323 of 40 CFR Part 63, Appendix A; or ASTM D6348-03, <sup>a</sup> provided in ASTM D6348-03 Annex A5 (Analyte Spiking Technique), the percent R must be greater than or equal to 70 and less than or equal to 130 | (a) Formaldehyde concentration must be at 15 percent O <sub>2</sub> , dry basis. Results of this test consist of the average of the three 1-hour or longer runs. |
|                |   | v. measure CO at the exhaust of the stationary RICE.  | (1) Method 10 of 40 CFR Part 60, Appendix A, ASTM Method D6522-00 (2005), <sup>ac</sup> Method 320 of 40 CFR Part 63, Appendix A, or ASTM D6348-03. <sup>a</sup>  | (a) CO concentration must be at 15 percent O <sub>2</sub> , dry basis. Results of this test consist of the average of the three 1-hour or longer runs.           |

<sup>a</sup> You may also obtain copies from University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106.

<sup>b</sup> You may also use Method 320 of 40 CFR Part 63, Appendix A, or ASTM D6348-03.

<sup>c</sup> ASTM-D6522-00 (2005) may be used to test both CI and SI stationary RICE.

Attachment D - Table 5 to Subpart ZZZZ of Part 63 - Initial Compliance With Emission Limitations, Operating Limitations, and Other Requirements

As stated in 40 CFR 63.6612, 63.6625 and 63.6630, you must initially comply with the emission and operating limitations as required by the following:

| For each . . . .  | Complying with the requirement to . . . . | You have demonstrated initial compliance if . . . .   |
|---|---|---|
| 13. Existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are not remote stationary RICE and that are operated more than 24 hours per calendar year | a. Install an oxidation catalyst          | i. You have conducted an initial compliance demonstration as specified in §63.6630(e) to show that the average reduction of emissions of CO is 93 percent or more, or the average CO concentration is less than or equal to 47 ppmvd at 15 percent O <sub>2</sub> ;   |
|   |   | ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in §63.6625(b), or you have installed equipment to automatically shut down the engine if the catalyst inlet temperature exceeds 1350°F.  |
| 14. Existing non-emergency 4SRB stationary RICE >500 HP located at an area source of HAP that are not remote stationary RICE and that are operated more than 24 hours per calendar year | a. Install NSCR                           | i. You have conducted an initial compliance demonstration as specified in §63.6630(e) to show that the average reduction of emissions of CO is 75 percent or more, the average CO concentration is less than or equal to 270 ppmvd at 15 percent O <sub>2</sub> , or the average reduction of emissions of THC is 30 percent or more; |
|   |   | ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in §63.6625(b), or you have installed equipment to automatically shut down the engine if the catalyst inlet temperature exceeds 1250°F   |

Attachment E - Table 6 to Subpart ZZZZ of Part 63 - Continuous Compliance With Emission Limitations, and Other Requirements

As stated in 40 CFR 63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

| For each . . .  | Complying with the requirement to . . . | You must demonstrate continuous compliance by . . .  |
|---|---|--|
| <p>9. Existing emergency and black start stationary RICE ≤500 HP located at a major source of HAP, existing non-emergency stationary RICE &lt;100 HP located at a major source of HAP, existing emergency and black start stationary RICE located at an area source of HAP, existing non-emergency stationary CI RICE ≤300 HP located at an area source of HAP, existing non-emergency 2SLB stationary RICE located at an area source of HAP, existing non-emergency stationary SI RICE located at an area source of HAP which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, existing non-emergency 4SLB and 4SRB stationary RICE ≤500 HP located at an area source of HAP, existing non-emergency 4SLB and 4SRB stationary RICE &gt;500 HP located at an area source of HAP that operate 24 hours or less per calendar year, and existing non-emergency 4SLB and 4SRB stationary RICE &gt;500 HP located at an area source of HAP that are remote stationary RICE</p> | <p>a. Work or Management practices</p>  | <p>i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or<br/>                     ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</p> |

| <p style="text-align: center;"><b>For each . . .</b></p>  | <p style="text-align: center;"><b>Complying with the requirement to . . .</b></p> | <p style="text-align: center;"><b>You must demonstrate continuous compliance by . . .</b></p>   |
|---|---|---|
| <p>14. Existing non-emergency 4SLB stationary RICE &gt;500 HP located at an area source of HAP that are not remote stationary RICE and that are operated more than 24 hours per calendar year</p> | <p>a. Install an oxidation catalyst</p>   | <p>i. Conducting annual compliance demonstrations as specified in §63.6640(c) to show that the average reduction of emissions of CO is 93 percent or more, or the average CO concentration is less than or equal to 47 ppmvd at 15 percent O<sub>2</sub>; and either</p> <p>ii. Collecting the catalyst inlet temperature data according to §63.6625(b), reducing these data to 4-hour rolling averages; and maintaining the 4-hour rolling averages within the limitation of greater than 450°F and less than or equal to 1350°F for the catalyst inlet temperature; or</p> <p>iii. Immediately shutting down the engine if the catalyst inlet temperature exceeds 1350°F.</p> |

| <p style="text-align: center;"><b>For each . . .</b></p>  | <p style="text-align: center;"><b>Complying with the requirement to . . .</b></p> | <p style="text-align: center;"><b>You must demonstrate continuous compliance by . . .</b></p>   |
|---|---|---|
| <p>15. Existing non-emergency 4SRB stationary RICE &gt;500 HP located at an area source of HAP that are not remote stationary RICE and that are operated more than 24 hours per calendar year</p> | <p>a. Install NSCR</p>  | <p>i. Conducting annual compliance demonstrations as specified in §63.6640(c) to show that the average reduction of emissions of CO is 75 percent or more, the average CO concentration is less than or equal to 270 ppmvd at 15 percent O<sub>2</sub>, or the average reduction of emissions of THC is 30 percent or more; and either</p> <p>ii. Collecting the catalyst inlet temperature data according to §63.6625(b), reducing these data to 4-hour rolling averages; and maintaining the 4-hour rolling averages within the limitation of greater than or equal to 750°F and less than or equal to 1250°F for the catalyst inlet temperature; or</p> <p>iii. Immediately shutting down the engine if the catalyst inlet temperature exceeds 1250°F.</p> |

Attachment F - Table 7 to Subpart ZZZZ of Part 63 - Requirements for Reports

As stated in 40 CFR 63.6650, you must comply with the following requirements for reports:

| For each . . . .  | You must submit a . . . . | The report must contain . . . .  | You must submit the report . . . .                                   |
|---|---------------------------|--|--|
| 3. Existing non-emergency, non-black start 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that are not remote stationary RICE and that operate more than 24 hours per calendar year | Compliance report         | a. The results of the annual compliance demonstration, if conducted during the reporting period. | i. Semiannually according to the requirements in §63.6650(b)(1)-(5). |

Attachment G - Table 8 to Subpart ZZZZ of Part 63 - Applicability of General Provisions to Subpart ZZZZ.

As stated in 40 CFR 63.6665, you must comply with the following applicable general provisions.

| <b>General provisions citation</b> | <b>Subject of citation</b>  | <b>Applies to subpart</b> | <b>Explanation</b>   |
|------------------------------------|---|---------------------------|--|
| §63.1                              | General applicability of the General Provisions                                   | Yes.                      |  |
| §63.2                              | Definitions   | Yes                       | Additional terms defined in §63.6675.                                |
| §63.3                              | Units and abbreviations   | Yes.                      |  |
| §63.4                              | Prohibited activities and circumvention   | Yes.                      |  |
| §63.5                              | Construction and reconstruction   | Yes.                      |  |
| §63.6(a)                           | Applicability   | Yes.                      |  |
| §63.6(b)(1)-(4)                    | Compliance dates for new and reconstructed sources                                | Yes.                      |  |
| §63.6(b)(5)                        | Notification  | Yes.                      |  |
| §63.6(b)(6)                        | [Reserved]  |                           |  |
| §63.6(b)(7)                        | Compliance dates for new and reconstructed area sources that become major sources | Yes.                      |  |
| §63.6(c)(1)-(2)                    | Compliance dates for existing sources   | Yes.                      |  |
| §63.6(c)(3)-(4)                    | [Reserved]  |                           |  |
| §63.6(c)(5)                        | Compliance dates for existing area sources that become major sources              | Yes.                      |  |
| §63.6(d)                           | [Reserved]  |                           |  |
| §63.6(e)                           | Operation and maintenance   | No.                       |  |
| §63.6(f)(1)                        | Applicability of standards  | No.                       |  |
| §63.6(f)(2)                        | Methods for determining compliance  | Yes.                      |  |
| §63.6(f)(3)                        | Finding of compliance   | Yes.                      |  |
| §63.6(g)(1)-(3)                    | Use of alternate standard   | Yes.                      |  |
| §63.6(h)                           | Opacity and visible emission standards  | No                        | Subpart ZZZZ does not contain opacity or visible emission standards. |
| §63.6(i)                           | Compliance extension procedures and criteria                                      | Yes.                      |  |
| §63.6(j)                           | Presidential compliance exemption   | Yes.                      |  |

| <b>General provisions citation</b> | <b>Subject of citation</b>   | <b>Applies to subpart</b> | <b>Explanation</b>   |
|------------------------------------|--|---------------------------|--|
| §63.7(a)(1)-(2)                    | Performance test dates   | Yes                       | Subpart ZZZZ contains performance test dates at §§63.6610, 63.6611, and 63.6612. |
| §63.7(a)(3)                        | CAA section 114 authority  | Yes.                      |  |
| §63.7(b)(1)                        | Notification of performance test                                     | Yes                       | Except that §63.7(b)(1) only applies as specified in §63.6645.                   |
| §63.7(b)(2)                        | Notification of rescheduling   | Yes                       | Except that §63.7(b)(2) only applies as specified in §63.6645.                   |
| §63.7(c)                           | Quality assurance/test plan  | Yes                       | Except that §63.7(c) only applies as specified in §63.6645.                      |
| §63.7(d)                           | Testing facilities   | Yes.                      |  |
| §63.7(e)(1)                        | Conditions for conducting performance tests                          | No.                       | Subpart ZZZZ specifies conditions for conducting performance tests at §63.6620.  |
| §63.7(e)(2)                        | Conduct of performance tests and reduction of data                   | Yes                       | Subpart ZZZZ specifies test methods at §63.6620.                                 |
| §63.7(e)(3)                        | Test run duration  | Yes.                      |  |
| §63.7(e)(4)                        | Administrator may require other testing under section 114 of the CAA | Yes.                      |  |
| §63.7(f)                           | Alternative test method provisions                                   | Yes.                      |  |
| §63.7(g)                           | Performance test data analysis, recordkeeping, and reporting         | Yes.                      |  |
| §63.7(h)                           | Waiver of tests  | Yes.                      |  |
| §63.8(a)(1)                        | Applicability of monitoring requirements                             | Yes                       | Subpart ZZZZ contains specific requirements for monitoring at §63.6625.          |
| §63.8(a)(2)                        | Performance specifications   | Yes.                      |  |
| §63.8(a)(3)                        | [Reserved]   |                           |  |
| §63.8(a)(4)                        | Monitoring for control devices                                       | No.                       |  |
| §63.8(b)(1)                        | Monitoring   | Yes.                      |  |

| General provisions citation | Subject of citation                                    | Applies to subpart  | Explanation  |
|-----------------------------|--|---|--|
| §63.8(b)(2)-(3)             | Multiple effluents and multiple monitoring systems     | Yes.  |  |
| §63.8(c)(1)                 | Monitoring system operation and maintenance            | Yes.  |  |
| §63.8(c)(1)(i)              | Routine and predictable SSM                            | No  |  |
| §63.8(c)(1)(ii)             | SSM not in Startup Shutdown Malfunction Plan           | Yes.  |  |
| §63.8(c)(1)(iii)            | Compliance with operation and maintenance requirements | No  |  |
| §63.8(c)(2)-(3)             | Monitoring system installation                         | Yes.  |  |
| §63.8(c)(4)                 | Continuous monitoring system (CMS) requirements        | Yes   | Except that subpart ZZZZ does not require Continuous Opacity Monitoring System (COMS). |
| §63.8(c)(5)                 | COMS minimum procedures                                | No  | Subpart ZZZZ does not require COMS.  |
| §63.8(c)(6)-(8)             | CMS requirements                                       | Yes   | Except that subpart ZZZZ does not require COMS.  |
| §63.8(d)                    | CMS quality control                                    | Yes.  |  |
| §63.8(e)                    | CMS performance evaluation                             | Yes   | Except for §63.8(e)(5)(ii), which applies to COMS.                                     |
|                             |  | Except that §63.8(e) only applies as specified in §63.6645. |  |
| §63.8(f)(1)-(5)             | Alternative monitoring method                          | Yes   | Except that §63.8(f)(4) only applies as specified in §63.6645.                         |
| §63.8(f)(6)                 | Alternative to relative accuracy test                  | Yes   | Except that §63.8(f)(6) only applies as specified in §63.6645.                         |

| <b>General provisions citation</b> | <b>Subject of citation</b>                                      | <b>Applies to subpart</b>                                   | <b>Explanation</b>   |
|------------------------------------|---|---|--|
| §63.8(g)                           | Data reduction  | Yes   | Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at §§63.6635 and 63.6640. |
| §63.9(a)                           | Applicability and State delegation of notification requirements | Yes.  |  |
| §63.9(b)(1)-(5)                    | Initial notifications   | Yes   | Except that §63.9(b)(3) is reserved.   |
|                                    |   | Except that §63.9(b) only applies as specified in §63.6645. |  |
| §63.9(c)                           | Request for compliance extension                                | Yes   | Except that §63.9(c) only applies as specified in §63.6645.  |
| §63.9(d)                           | Notification of special compliance requirements for new sources | Yes   | Except that §63.9(d) only applies as specified in §63.6645.  |
| §63.9(e)                           | Notification of performance test                                | Yes   | Except that §63.9(e) only applies as specified in §63.6645.  |
| §63.9(f)                           | Notification of visible emission (VE)/opacity test              | No  | Subpart ZZZZ does not contain opacity or VE standards.   |
| §63.9(g)(1)                        | Notification of performance evaluation                          | Yes   | Except that §63.9(g) only applies as specified in §63.6645.  |
| §63.9(g)(2)                        | Notification of use of COMS data                                | No  | Subpart ZZZZ does not contain opacity or VE standards.   |
| §63.9(g)(3)                        | Notification that criterion for alternative to RATA is exceeded | Yes   | If alternative is in use.  |

| General provisions citation | Subject of citation                                   | Applies to subpart  | Explanation  |
|-----------------------------|---|---|--|
|                             |   | Except that §63.9(g) only applies as specified in §63.6645. |  |
| §63.9(h)(1)-(6)             | Notification of compliance status                     | Yes   | Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. §63.9(h)(4) is reserved. |
|                             |   |   | Except that §63.9(h) only applies as specified in §63.6645.  |
| §63.9(i)                    | Adjustment of submittal deadlines                     | Yes.  |  |
| §63.9(j)                    | Change in previous information                        | Yes.  |  |
| §63.10(a)                   | Administrative provisions for recordkeeping/reporting | Yes.  |  |
| §63.10(b)(1)                | Record retention                                      | Yes   | Except that the most recent 2 years of data do not have to be retained on site.  |
| §63.10(b)(2)(i)-(v)         | Records related to SSM                                | No.   |  |
| §63.10(b)(2)(vi)-(xi)       | Records   | Yes.  |  |
| §63.10(b)(2)(xii)           | Record when under waiver                              | Yes.  |  |
| §63.10(b)(2)(xiii)          | Records when using alternative to RATA                | Yes   | For CO standard if using RATA alternative.   |
| §63.10(b)(2)(xiv)           | Records of supporting documentation                   | Yes.  |  |
| §63.10(b)(3)                | Records of applicability determination                | Yes.  |  |
| §63.10(c)                   | Additional records for sources using CEMS             | Yes   | Except that §63.10(c)(2)-(4) and (9) are reserved.   |

| <b>General provisions citation</b> | <b>Subject of citation</b>                        | <b>Applies to subpart</b> | <b>Explanation</b>                                     |
|------------------------------------|---|---------------------------|--|
| §63.10(d)(1)                       | General reporting requirements                    | Yes.                      |  |
| §63.10(d)(2)                       | Report of performance test results                | Yes.                      |  |
| §63.10(d)(3)                       | Reporting opacity or VE observations              | No                        | Subpart ZZZZ does not contain opacity or VE standards. |
| §63.10(d)(4)                       | Progress reports                                  | Yes.                      |  |
| §63.10(d)(5)                       | Startup, shutdown, and malfunction reports        | No.                       |  |
| §63.10(e)(1) and (2)(i)            | Additional CMS Reports                            | Yes.                      |  |
| §63.10(e)(2)(ii)                   | COMS-related report                               | No                        | Subpart ZZZZ does not require COMS.                    |
| §63.10(e)(3)                       | Excess emission and parameter exceedances reports | Yes.                      | Except that §63.10(e)(3)(i)(C) is reserved.            |
| §63.10(e)(4)                       | Reporting COMS data                               | No                        | Subpart ZZZZ does not require COMS.                    |
| §63.10(f)                          | Waiver for recordkeeping/reporting                | Yes.                      |  |
| §63.11                             | Flares  | No.                       |  |
| §63.12                             | State authority and delegations                   | Yes.                      |  |
| §63.13                             | Addresses   | Yes.                      |  |
| §63.14                             | Incorporation by reference                        | Yes.                      |  |
| §63.15                             | Availability of information                       | Yes.                      |  |