

**FG{ID}**  
**FLEXIBLE GROUP CONDITIONS**  
**Major or Area Source - Existing Black Start Compression Ignition**

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

Blue text is guidance or notes on the use of the template. Delete all blue text prior to issuing the final permit or submitting it with a permit application.

This template is for existing black start, compression ignition (CI) RICE at a major or area source of HAPs as applicable. The RICE is existing if the date of installation is before June 12, 2006. Black start engine means an engine whose only purpose is to start up a combustion turbine.

If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

### **DESCRIPTION**

**40 CFR Part 63, Subpart ZZZZ** - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), located at a **major / area (choose one)** source of HAP emissions, existing black start, compression ignition (CI) RICE **equal to or less than 500 brake hp (if major)**. A RICE is existing if the date of installation is before June 12, 2006. Black start engine means an engine whose only purpose is to start up a combustion turbine.

**Emission Unit:** {Site Specific List of Emission Units}

### **POLLUTION CONTROL EQUIPMENT**

{Enter site specific pollution control equipment or NA}

#### **I. EMISSION LIMIT(S)**

NA

#### **II. MATERIAL LIMIT(S)**

NA

#### **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee must comply with the requirements in **Item 1 of Table 2c (major) -or- Item 4 of Table 2d (area)** of 40 CFR Part 63, Subpart ZZZZ which apply to each engine in FG{ID} as specified in the following. **(40 CFR 63.6603(a), 40 CFR Part 63, Subpart ZZZZ, Table 2c.1 (major) -or- Table 2d.4 (area))**
  - a. Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.3;
  - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first and replace as necessary; and
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

2. At all times, the permittee must operate and maintain any affected source in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee 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 Administrator 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. **(40 CFR 63.6605(b))**
3. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in SC III.1. The oil analysis program must be performed at the same frequency for changing the oil in SC III.1. **(40 CFR 63.6625(ii))**
4. The permittee shall operate and maintain each engine in FG{ID} and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 63.6605, 40 CFR 63.6625(e)(2 (major) - or- 3 (area)), 40 CFR 63.6640(a), 40 CFR Part 63, Subpart ZZZZ, Table 6.9)**
5. For each engine in FG{ID}, the permittee shall 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 apply. **(40 CFR 63.6625(h), 40 CFR Part 63, Subpart ZZZZ, Table 2c.1 (major))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

#### **V. TESTING/SAMPLING**

1. If using the oil analysis program, the permittee must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30% of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20% from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee 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 permittee must change the oil within 2 business days or before commencing operation, whichever is later. The permittee 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. **(40 CFR 63.6625(i))**

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

**Permit staff – Change above UAR to Rule 201(3) if using in a PTI.**

**OPTIONAL – For all area source engines and only for major source engines less than 100 bhp.**

1. For each engine in FG{ID}, the permittee shall keep in a satisfactory manner, records of the maintenance conducted to demonstrate that the engine and after-treatment control device (if any) were operated and maintained according to the developed maintenance plan. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(e)(1 (major and less than 100 bhp) -or- 3 (area)), 40 CFR 63.6660)**

#### **VII. REPORTING**

**Permit Staff – SC VII.1, 2, and 3 references to Rule 213 are ROP only. Remove before putting into a PTI. Renumber as appropriate.**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be received by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be received by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

**See Appendix 8 - Permit Staff: Remove if PTI, since this is ROP only.**

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subparts A and ZZZZ for Stationary Reciprocating Internal Combustion Engines. **(40 CFR Part 63, Subparts A and ZZZZ)**

**Remove these footnotes if no PTIs are associated with this flexible group.**

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).