

# Sample Notification of Compliance Status Report<sup>a</sup>

National Emission Standards for Hazardous Air Pollutants:

Stationary Reciprocating Internal Combustion Engines

## 40 CFR part 63, subpart ZZZZ

**Note:** The information to be provided in the Notification of Compliance Status Report will vary depending on the engine type. Affected sources should refer to 40 CFR part 63, subpart ZZZZ for engine-specific compliance requirements. The sample responses provided in this report are for existing stationary spark ignition (SI) 4-stroke rich burn (4SRB) engines above 500 horsepower (HP) located at an area source. **The example entries have been highlighted in yellow.**

### SECTION I : GENERAL INFORMATION

- A. If you have been issued a Title V permit, do not complete this form. Submit your NOCS in accordance with your Title V permit. [§63.9(h)(3)]
- B. If you have not been issued a Title V permit, complete the remaining portions of this section and also complete Sections II-IX. [§63.9(h)(2)(i)]
- C. Print or type the following information for each facility for which you are making notification of compliance status:

Permit Number (OPTIONAL)		Facility I.D. Number (OPTIONAL)	
<input type="text"/>			
Responsible Official's Name/Title			
<input type="text"/>			
Street Address			
<input type="text"/>			
City		State	ZIP Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Facility Name (if different from Responsible Official's Name)			
<input type="text"/>			
Facility Street Address (If different than Responsible Official's Street Address)			
<input type="text"/>			
Facility Local Contact Name		Title	Phone (OPTIONAL)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
City		State	ZIP Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- D. Indicate the relevant standard or other requirement that is the basis for this notification and the source's compliance date: (§63.9(b)(2)(iii))

<sup>a</sup> This is an example of the type of information that must be submitted to fulfill the Notification of Compliance Status requirement of 40 CFR part 63, subpart ZZZZ. This Notification of Compliance Status is being made in accordance with 40 CFR §63.9(h).

Basis for this notification (relevant standard or other requirement)      Compliance Date (mm/dd/yyyy)

Sample Response.	40 CFR 63.6645	Sample Response.	10/19/2013
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**SECTION II : CERTIFICATION (Note: you may edit this text as appropriate)**

Based upon information and belief formed after a reasonable inquiry, I, as a responsible official of the above-mentioned facility, certify the information contained in this report is accurate and true to the best of my knowledge. The above-mentioned facility \_\_\_\_\_ (has/has not) complied with the relevant standard or and other applicable requirements referenced in the relevant standard. [§63.9(h)(2)(i)(G)]

Name of Responsible Official (Print or Type)	Title	Date (mm/dd/yyyy)
Signature of Responsible Official		

*Note: Responsible official is defined under §63.2 as one of the following: a president, vice-president, secretary, or treasurer of the company that owns the plant; the owner of the plant; the plant engineer or supervisor; a government official if the plant is owned by the Federal, State, city, or county government; or a ranking military officer if the plant is located on a military installation.*

**SECTION III: METHODS**

Describe the methods you used to determine compliance. [§63.9(h)(2)(i)(A)]

Sample Response for existing stationary spark ignition (SI) 4-stroke rich burn (4SRB) engines above 500 horsepower (HP) located at an area source.

This facility installed non-selective catalytic reduction (NSCR) to reduce formaldehyde emissions from their two (2) stationary existing 4SRB engines in order to comply with the emission standards in Table 2d of 40 CFR part 63, subpart ZZZZ. A performance test was conducted on 10/19/2013 using FTIR in accordance with the requirements in Table 4 of 40 CFR part 63, subpart ZZZZ. The catalyst inlet temperature and catalyst pressure drop were recorded during the initial performance test. This facility installed and operated a continuous parametric monitoring system (CPMS) to continuously measure the catalyst temperature according to the requirements in 40 CFR 63.6625(b) and (k). The catalyst inlet temperature and catalyst pressure drop that were recorded were within the allowed ranges as specified in Table 1b of 40 CFR part 63, subpart ZZZZ. This facility followed the startup requirements in 63.6625(h). The startup time was limited to 30 minutes and this facility minimized the engine's time spent at idle during startup.

**SECTION IV: RESULTS**

Describe the results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted. [§63.9(h)(2)(i)(B)] Facility can attach test reports and output results from a CEMS and/or CPMS to this notification.

Sample Response for existing stationary SI 4SRB engines above 500 HP located at an area source.							
Results							
Source ID	Source Location	Test Date	Formaldehyde Reduction	Formaldehyde Concentration	Catalyst Inlet Temperature	Catalyst Pressure Drop	Startup Time
Engine A	Building 1	10/19/2013	82%	2.1 ppmvd at 15% O <sub>2</sub>	900 °F	0.2 inches	8 min
Engine B	Building 1	10/19/2013	85%	2.5 ppmvd at 15% O <sub>2</sub>	1,100 °F	0.15 inches	4 min

**SECTION V: CONTINUOUS COMPLIANCE**

Describe the methods you will use to determine continuous compliance, including a description of monitoring and reporting requirements and test methods. [§63.9(h)(2)(i)(C)]

<p>Sample Response for existing stationary SI 4SRB engines above 500 HP located at an area source.</p> <p>This facility will determine continuous compliance with applicable requirements by continuing to use monitoring methods as identified in Section III and Section IV of this notification. In addition, the facility plans to do the following: (1) continuously monitoring the catalyst inlet temperature to ensure it remains greater than or equal to 750°F and less than or equal to 1,250°F; (2) monitor the catalyst pressure drop monthly to ensure that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst measured during the initial performance test; (3) conduct performance test on each engine every 8,760 hours of operation or 3 years, whichever comes first, to measure formaldehyde emissions to determine that formaldehyde is reduced by 76 percent or more; (4) record the necessary information as specified in §63.6655, and (5) submit the necessary notifications and reports, according to the requirements in §63.6645 and §63.6650.</p>
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**SECTION VI : EMISSIONS**

Describe the type and quantity of hazardous air pollutants (HAP) emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard. [§63.9(h)(2)(i)(D)]

Sample Response.				
The following hazardous air pollutants (HAP) were emitted by affected sources at this facility during the period 10/19/2013 – 10/31/2013.				
Source ID	Source Location	Source Description	HAP Emitted	HAP Emitted (tons)
Engine A	Building 1	Waukesha 4SRB 1,000 HP non-emergency engine	Formaldehyde	0.008
Engine B	Building 1	Waukesha 4SRB 1,000 HP non-emergency engine	Formaldehyde	0.008

**SECTION VII: FACILITY DESIGNATION**

If the relevant standard applies to both major and area sources, present an analysis demonstrating whether the affected source is a major source, using the emissions data generated for this notification. [§63.9(h)(2)(i)(E)]

Sample Response.

This facility consists of two 1,000 HP rich burn engines. Each 1,000 HP engine emits  $2.43 \times 10^{-4}$  lb/HP-hr of uncontrolled HAP emissions and operate continuously (8,760 hours per year). Consequently, yearly HAP emissions are  $2.43 \times 10^{-4}$  lb/HP-hr x 8,760 hrs/yr x 1,000 HP x ton/2,000 lb x 2 engines = 2.1 tons/yr and below the threshold to be classified as a major source, therefore this facility is an area source. We do not expect these sources to emit HAP in quantities greater than the major source threshold.

**SECTION VIII: CONTROLS**

Describe the air pollution control equipment or method for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device or method. [§63.9(h)(2)(i)(F)]

Sample Response.

The following pollution control equipment is used for each engine listed at this facility. Additionally, this facility uses other compliance methods that do not involve pollution control equipment, including a CPMS.

Source ID	Source Location	Equipment Type	Control Device	Control Efficiency	HAP Controlled
Engine A	Building 1	Johnson Matthey 3-way (NSCR) Catalyst	NSCR/AFR	Reduces formaldehyde by 76% or more	Formaldehyde
Engine B	Building 1	Johnson Matthey 3-way (NSCR) Catalyst	NSCR/AFR	Reduces formaldehyde by 76% or more	Formaldehyde

**SECTION IX: CONSTRUCTION/RECONSTRUCTION**

A. Did you submit an application for construction or reconstruction under §63.5(d) that contained preliminary or estimated data? [§63.9(h)(5)]

Yes

No

Not applicable  (did not submit an application for construction or reconstruction).

B. If you answered yes, provide actual emission data or other corrected information below.

**Notification of Compliance Status reports (which include compliance testing) must be postmarked before the close of business on the 60<sup>th</sup> calendar day following the completion of the relevant compliance demonstration specified in the standard, unless a different reporting period is specified. In the second case, the letter shall be postmarked before the close of business on the day the report of the testing or monitoring results is required to be delivered or postmarked. Notifications may be combined as long as the due date requirements are met for each notification. [40 CFR §63.9(h)(2)(ii)].**

**A Responsible Official must sign this form – See Section II.**

**Submit the Initial Notification to the following offices:**

- a. EPA Region I  
US Environmental Protection Agency  
5 Post Office Square, Suite 100, Mail code: OES04-2,  
Boston MA 02109-3912  
Attention: Air Clerk
  
- b. New Hampshire Department of Environmental Services  
Air Resources Division  
PO Box 95  
Concord, NH 03302-0095  
Attention: Patricia North