

Semi-Annual Report

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. [40CFR63.6650]

SECTION I: COMPANY NAME AND ADDRESS

Facility Name		
Street Address		
City	State	ZIP Code

SECTION II: CERTIFICATION

I, as the responsible official of the above-mentioned facility, certify the information contained in this report is accurate and complete to the best of my knowledge.

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: REPORTING PERIOD

Check the one that applies and fill in the applicable calendar year (CY):

- ☐ 1st half CY20_____ (January 1 – June 30) Due no later than July 31st
- ☐ 2nd half CY20_____ (July 1 – December 31) Due no later than January 31st

SECTION IV: DETERMINATION OF REPORTING CONTENTS FOR SEMIANNUAL REPORT

Check the following box(es) that apply to your facility during this reporting period.

- ☐ There were no deviations from any emission or operating limitations that apply to this facility during this reporting period.
- ☐ There were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control during the reporting period.

Fill out the tables noted below, as applicable, to your facility during this reporting period. Print out only the completed, applicable table(s), and submit this page and the completed tables, if any, to the appropriate reporting agency.

- Non-continuous monitoring system: Fill out Table 1 if there were deviations from any emission or operating limitations (emission limit, operating limit, opacity limit), work practice standards, or operation and maintenance requirements during the reporting period using a non-continuous monitoring system.
- Continuous monitoring system: Fill out Table 2 if there were deviations from any emission or operating limitation (emission limit, operating limit, opacity limit, and visible emission limit) during the reporting period using a continuous monitoring system (CMS) including CEMS and CPMS during the reporting period. (CEMS: continuous emissions monitoring system; CPMS: continuous parameter monitoring system)

TABLE 1: DEVIATIONS FROM NON-CONTINUOUS MONITORING SYSTEM

Malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source: (1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or operating limitation; (2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or (3) Fails to meet any emission limitation or operating limitation in this subpart during malfunction, regardless of whether or not such failure is permitted by this subpart. (4) Fails to satisfy the general duty to minimize emissions established by § 63.6(e)(1)(i).

Event Number	Event Date	Place an "X" in the applicable category		Event Duration	Malfunctions only	Deviations only		Description of the corrective action taken
		Malfunction	Deviation		Description of Type	Total operating time of the RICE when deviation occurred	Cause of the deviation (include unknown cause, if applicable)	

Emission standards apply during shutdown. Startup must be kept to no more than 30 minutes and emission standards do not apply during this time.

TABLE 2: DEVIATIONS FROM CONTINUOUS MONITORING SYSTEM (CMS) (Fill out 1 Table per each RICE source)

Deviations can be from any emission limitation (emission limit, operating limit, opacity limit, and visible emission limit) during the reporting period using a continuous monitoring system (CMS) including CEMS and CPMS during the reporting period. (CEMS: continuous emissions monitoring system; CPMS: continuous parameter monitoring system)

Total operating time during this reporting period: _____

Description of the stationary RICE: _____

Type (CEMS/CPMS) and description of the CMS: _____

Description of any changes in the processes or controls since the last reporting period: _____

Date of the last monitoring system certification or audit (40CFR63.6650(e)(11): _____

Event Number	Start Date & Time	End Date & Time	Event Duration	Mark with an “X” when the deviation occurred				Mark with an “X” the cause of the deviation				Parameter or pollutant monitored (CO or CH2O)	Description of the corrective action taken
				Mal-function	In-operative CMS**	CMS out of control***	Other	Malfunction		Other****			
								Control equip. problems	Process problems	Known causes (explain)	Unknown causes		
Example calculations:				malfunction (hrs) = total hrs malfunction occurred during reporting period				Total the hours of each event and list below					
Total duration of each deviation type and occurrence scenario, in hours													
Example calculations:				% malfunction = (total hrs malfunction occurred / total hrs operated) *100				% = (total hrs each event / total hrs operated) *100					
Percent of the total source operating time per deviation			%										

Notes:

** Inoperative Monitoring System: except for zero (low-level) and high-level checks

*** A CMS is out of control if: (A) The zero (low-level), mid-level (if applicable), or high-level calibration drift (CD) exceeds two times the applicable CD specification in the applicable performance specification or in the relevant standard; or (B) The CMS fails a performance test audit (e.g., cylinder gas audit), relative accuracy audit, relative accuracy test audit, or linearity test audit; or (C) The COMS CD exceeds two times the limit in the applicable performance specification in the relevant standard.

**** Explanations for "other" deviations or malfunctions need to be provided in an attachment.

Emission standards apply during shutdown. Startup must be kept to no more than 30 minutes and emission standards do not apply during this time.