

COMPLIANCE TIMELINE FOR EMERGENCY AND LIMITED USE STATIONARY RICE

Startup occurs before
August 16, 2004

Startup occurs on or after
August 16, 2004

December 13, 2004: Deadline for submitting the initial notification to EPA.

Initial Notification: no later than 120 days after startup

COMPLIANCE TIMELINE FOR STATIONARY RICE THAT COMBUST LANDFILL GAS OR DIGESTER GAS EQUIVALENT TO ≥ 10 PERCENT OF THE ANNUAL GROSS HEAT INPUT

Startup occurs before
August 16, 2004

Startup occurs on or after
August 16, 2004

August 16, 2004: Compliance Date

Compliance Date: Startup

December 13, 2004: Deadline for submitting the initial notification to EPA.

Initial Notification: no later than 120 days after startup

January 31, 2004: First Annual Fuel Usage Report covering the period from December 13, 2004 through December 31, 2004.

Annual Fuel Usage Report: No later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date and annually on July 31 or January 31 thereafter.

Annually January 31: Submit annual fuel usage report

For More Information

The final rule was published in the *Federal Register* on June 15, 2004. Copies of the rule and other materials are located at EPA's Stationary Reciprocating Internal Combustion Engine web site:

<http://www.epa.gov/ttn/atw/rice/ricepg.html>

You can also contact your regional EPA air toxics office at the following numbers:

Address	States	Website/ Phone Number
Region 1 1 Congress Street Suite 1100 Boston, MA 02114-2023	CT, MA, ME, NH, RI, VT	www.epa.gov/region1 (888) 372-7341
Region 2 290 Broadway New York, NY 10007-1866	NJ, NY, PR	www.epa.gov/region2 (212) 637-3000
Region 3 1650 Arch Street Philadelphia, PA 19103-2029	DE, MD, PA, VA, WV, DC	www.epa.gov/region3 (800) 438-2474 (215) 814-3297
Region 4 Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303-3104	FL, NC, SC, KY, TN, GA, AL, MS	www.epa.gov/region4 (800) 241-1754
Region 5 77 W. Jackson Blvd Chicago, IL 60604	IL, IN, MI, WI, MN, OH	www.epa.gov/region5 (800) 621-8431
Region 6 1445 Ross Avenue Suite 1200 Dallas, TX 75202	AR, LA, NM, OK, TX	www.epa.gov/region6 (800) 887-6063* (214) 665-6444
Region 7 901 N. 5 th Street Kansas City, KS 66101	IA, KS, MO, NE	www.epa.gov/region7 (800) 223-0425
Region 8 999-18th St. Suite 300 Denver, CO 80202-2466	CO, MT, ND, SD, UT, WY	www.epa.gov/region8 (800) 227-8917* (303) 312-6312
Region 9 75 Hawthorne St., San Francisco, CA 94105	CA, AZ, HI, NV	www.epa.gov/region9 (415) 947-8000
Region 10 1200 6 th Avenue Seattle, WA 98101	AK, ID, WA, OR	www.epa.gov/region10 (800) 424-4372* (206) 553-1200

* For sources within the region, only.

United States
Environmental Protection
Agency

July 2004

www.epa.gov/ttn/atw/rice/ricepg.html

Office of Air Quality Planning & Standards (E143-02)



STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINE NESHAP (SUBPART ZZZZ)

**AN OVERVIEW OF THE FINAL
RULE FOR EMERGENCY
ENGINES, LIMITED USE
ENGINES, AND ENGINES THAT
COMBUST LANDFILL GAS OR
DIGESTER GAS EQUIVALENT
TO 10 PERCENT OR MORE OF
THE GROSS HEAT INPUT ON
AN ANNUAL BASIS**

New EPA air emission standards may affect your emergency engines, limited use engines or engines that combust landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. This brochure does not provide information regarding other engine types that may be subject to this rule.

YOU ARE AFFECTED IF...

- You operate a stationary reciprocating internal combustion engine (RICE) with a site rating of greater than 500 brake horsepower; AND
- Your facility is a major source of Hazardous Air Pollutants (HAP). A major source emits 10 tons per year (tpy) or more of one HAP or 25 tpy or more of all HAP combined.
 - ⇒ Major source status is determined for the entire contiguous facility
 - ⇒ There are special provisions for major source determinations at oil and gas production facilities and natural gas transmission and storage facilities.

DO I HAVE AN EXISTING, NEW OR RECONSTRUCTED RICE?

If your engine ...	Then you have...
Commenced construction before December 19, 2002	An existing stationary RICE
Commenced construction on or after December 19, 2002	A new stationary RICE
Commenced reconstruction on or after December 19, 2002 AND meets the definition of reconstruction (see 40 CFR 63.2)	A reconstructed stationary RICE

WHAT ARE SOME EXEMPTIONS?

The following stationary RICE are exempt from this rule:

- ✓ Stationary RICE with site rating of ≤ 500 brake horsepower
- ✓ Stationary RICE being tested at a stationary RICE test cell/stand
- ✓ Existing emergency stationary RICE
- ✓ Existing limited use stationary RICE
- ✓ Existing stationary RICE that combust landfill gas or digester gas equivalent to $\geq 10\%$ of the gross heat input on an annual basis

EMERGENCY OR LIMITED USE STATIONARY RICE

DO I HAVE AN EMERGENCY STATIONARY RICE?

You have an **emergency stationary RICE** if you have an engine that operates during emergency situations, including the production of power for critical networks or equipment when electric power from the local utility is interrupted and pumping water when there is a fire or flood. In order to be considered an emergency stationary RICE, the following criteria must be met:

- emergency stationary RICE may be operated to perform maintenance checks and readiness testing, provided these tests are recommended by the manufacturer, vendor or insurance company associated with the engine.
- there is no limit on the use of an emergency stationary RICE in emergency situations and for routine testing and maintenance, but testing should be minimized.
- emergency stationary RICE may be operated in non-emergency situations no more than 50 hours per year.

DO I HAVE A LIMITED USE STATIONARY RICE?

You have a **limited use stationary RICE** if your stationary RICE operates less than 100 hours per year.

WHAT AM I REQUIRED TO DO?

If you have a **new or reconstructed emergency stationary RICE** or a **new or reconstructed limited use stationary RICE** you are only required to submit an initial notification.

- If you have a new or reconstructed emergency or limited use engine that you startup before August 16, 2004 you are required to submit the initial notification no later than **December 13, 2004**.
- If you startup your new or reconstructed stationary RICE on or after August 16, 2004, you are required to submit your initial notification within 120 days after your stationary RICE becomes subject to the RICE MACT.

Existing emergency stationary RICE and **existing limited use stationary RICE** do not have requirements under the RICE MACT.

STATIONARY RICE THAT COMBUSTS LANDFILL OR DIGESTER GAS EQUIVALENT TO $\geq 10\%$ OF THE GROSS HEAT INPUT ON AN ANNUAL BASIS

DO I HAVE A STATIONARY RICE THAT COMBUSTS LANDFILL OR DIGESTER GAS EQUIVALENT TO $\geq 10\%$ OF THE GROSS HEAT INPUT ON AN ANNUAL BASIS?

You have this type of stationary RICE if you 10% of more of your gross heat input on an annual basis is landfill gas or digester gas.

- Landfill gas is the gaseous by-product of the land application of municipal refuse typically formed through the anaerobic decomposition of waste materials and is composed primarily of methane and CO₂.
- Digester gas is the gaseous by-product of wastewater treatment typically formed through the anaerobic decomposition of organic waste materials and is composed primarily of methane and CO₂.

WHAT AM I REQUIRED TO DO?

If you have a **new or reconstructed stationary RICE that combusts landfill or digester gas equivalent to $\geq 10\%$ of the gross heat input on an annual basis**, you have to:

- Submit an initial notification;
 - ⇒ If you have a new or reconstructed engine that you startup before August 16, 2004 you are required to submit the initial notification no later than **December 13, 2004**.
 - ⇒ If you startup your new or reconstructed stationary RICE on or after August 16, 2004, you are required to submit your initial notification within 120 days after your stationary RICE becomes subject to the RICE MACT.
- Track annual fuel usage; and
- Submit annual fuel usage reports.

Existing stationary RICE that combusts landfill or digester gas equivalent to $\geq 10\%$ of the gross heat input on an annual basis do not have any requirements under the RICE MACT.

DO I HAVE TO INSTALL MONITORING EQUIPMENT?

You are required to monitor the fuel usage of each landfill/digester stationary RICE. You must use separate fuel meters to measure the volumetric flowrate of each fuel on a daily basis.

You are also required to operate your stationary RICE in a manner which reasonably minimizes HAP emissions.