



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

October 18, 2011

11-NWP-119

Mr. Ray Corey, Assistant Manager
U. S. Department of Energy
Richland Operations Office
P.O. Box 550, MSIN: A7-50
Richland, Washington 99352

Re: Modification to Approval Order DE02NWP-001

Dear Mr. Corey:

In the reference letter, the United States Department of Energy-Richland Operations (USDOE-RL) requested an amendment to the Approval Order DE02NWP-001 for the incorporation of 40 Code of Federal Regulations (CFR) 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).

The Department of Ecology staff reviewed your request and approved the enclosed amendment. The purpose of the amendment is to achieve consistency with the CFR by incorporating the requirement of 40 CFR 63.6640(f)(2) for the operation of the existing 325 and 331 Building Emergency Stationary RICE. The requirements address operation during loss of utility power, operation for up to 50 hours/year in non-emergency situations, and operation for maintenance checks and readiness testing to maintain emergency availability. The modification becomes part of Approval Order DE02NWP-001 effective on the date approved.

This amendment does not constitute a modification subject to new source review under Washington Administrative Code 173-400. The amendment may be appealed, and the appeal procedures are described in the original order. If you have any questions, please contact Albert Chang at 509-372-7929.

Sincerely,

Ron Skinnarland
Waste Management Section Manager
Nuclear Waste Program

ow/dbm
Enclosure

cc: see next page



Mr. Ray Corey
October 18, 2011
Page 2

11-NWP-119

Reference: USDOE-RL Letter 12-EMD-0005, *Request for Expedited Amendment to Approval Order DE02NWP-001, "Non-Radioactive Air Emission Notice of Construction for Installation and Operation of Emergency Diesel Generators in the 300 Area of Hanford for the Department of Energy-Richland", January 15, 2002.*

cc w/enc:

Dale Jackson, USDOE
Tom Beam, MSA
Stuart Harris, CTUIR
Gabriel Bohnee, NPT
Russell Jim, YN
Susan Leckband, HAB
Ken Niles, ODOE
Administrative Record: AIR Permits
Environmental Portal
USDOE-RL Correspondence Control

October 14, 2011

Amendment to Approval Order No. DE02NWP-001 Non-Radioactive Air Emission Notice of Construction for Installation and Operation of Emergency Diesel Generators in the 300 Area of Hanford for the Department of Energy-Richland, January 15, 2002.

Reference: DOE/RL letter to E.R. Skinnerland, Ecology from Ray J. Corey, "Request for Expedited Amendment to Approval Order No. DE02NWP-001 Non-Radioactive Air Emission Notice of Construction for Installation and Operation of Emergency Diesel Generators in the 300 Area of Hanford for the Department of Energy-Richland, January 15, 2002." 12-EMD-0005, dated October 12, 2011.

The referenced letter requested an amendment to the subject approval order to incorporate requirements of 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). The purpose of this amendment is to achieve consistency with the CFR Subpart cited above by incorporating the requirements of 40 CFR 63.6640(f)(2) for the operation of the existing 331 and 325 Building Emergency Stationary RICE, as defined in the CFR. This requirement addresses operation for maintenance checks and readiness testing necessary to maintain emergency availability, operation during loss of utility power, and for up to 50 hours/year in non-emergency situations.

The requested amendment does not constitute a modification subject to a new source review under WAC 173-400. The following amendment is approved and becomes part of Approval Order DE02NWP-001 effective on the date approved.

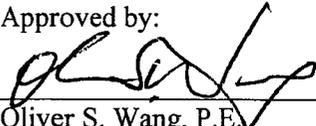
Approval Order Page 3, Section I. Process Description as shown below is amended as indicated by the bold italicized text and strikeout:

I. PROCESS DESCRIPTION

The proposed action is to install new diesel-generator standby power units at Buildings 325, 3709A and 331. For each of the diesel-generator standby power units, the proposed action includes excavating and building a pad to support the weight of the unit, installing underground electrical conduit, and upgrading the automatic transfer switch and control wiring needed to activate the unit when the primary source of power is interrupted.

It is anticipated that the 3709A generators will only operate during short term power interruptions, and for a few hours each year for operational readiness testing. ***The 331 and 325 Building generators will be operated as Emergency Stationary RICE as defined in 40 CFR 63 Subpart ZZZZ and as required in 40 CFR 63.6640 (f)(2) for units with > 500 Break Horsepower.*** Cumulative operation of all three generators is not expected to exceed 240 hours per year (10 days). Based on vendor-reported information, each unit is capable of operating at full load for at least 8 hours on one full tank load of # 2 Diesel Fuel (350 gallon capacity tank for the 500 kW unit, 60 gallon capacity tank for the 20 kW unit) so maximum fuel consumption will be less than 48 gallons per unit hour of operation.

Approved by:


Oliver S. Wang, P.E.
State of Washington
Department of Ecology

10/14/2011
Date