



AIR 03-607

STATE OF WASHINGTON
DEPARTMENT OF HEALTH
DIVISION OF RADIATION PROTECTION

7171 Cleanwater Lane, Bldg. 5 • P.O. Box 47827 • Olympia, Washington 98504-7827
TDD Relay 1-800-833-6388

June 20, 2003

Mr. Joel B. Hebdon, Director
U. S. Department of Energy
Regulatory Compliance
and Analysis Division
P. O. Box 550 MSIN A 5-58
Richland, Washington 99352

Mr. James E. Rasmussen, Director
U. S. Department of Energy
Office of River Protection
Environmental Management Division
P. O. Box 450 MSIN H 6-60
Richland, Washington 99352

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Addressees:

Per WAC 246-247-080 (1), the department is requiring an ALARACT demonstration of the non-standard (not constructed and/or tested to ASME/ANSI AG-1, Code on Nuclear Air and Gas Treatment) HEPA filters used at the Plutonium Finishing Plant. These filters were discussed at various meetings between the department and Department of Energy (DOE) during the months of April and May 2003.

The basis for the ALARACT demonstration requirements are the ALARACT standards given in WAC 246-247-040 and the definition of ALARACT given in WAC 246-247-030. It is the applicant's responsibility to demonstrate the effectiveness of their ALARACT determination to the department. The department may adjust this demonstration procedure on a case-by-case basis, as needed, to ensure compliance with the substantive standard.

This ALARACT demonstration shall contain the following information:

1. A listing of all emission units at the DOE Hanford Facility where these or other non-standard filters are installed.
2. Provide listing for associated Notices of Constructions and Approvals.

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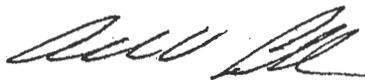
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3. The individual Potential to-Emit to be associated with each of these identified units.
4. Documentation of the manufacture filter testing that is done to show equivalence to ASME/ANSI AG-1 Section FC.
5. Documentation of the in-place filter testing results and any records from operation indication devices (DP gauges) for the last five years

This ALARACT demonstration shall be completed and submitted to the department for review no later than August 31, 2003.

Sincerely,



Allen W. Conklin, Supervising Health Physicist
Air Emissions and Defense Waste Section
Division of Radiation Protection

AWC/JWS/jr

cc: Dennis Bowser, DOE-ORP
Rick Poeton, EPA
Stephen Lijek, Ecology
Oliver Wang, Ecology
Earl Fordham, WDOH
Nick Ceto, EPA

Fax: WDOH-Hanford June 20, 2003