

April 16, 1997

Mr. L. J. Maas
Manager, Regulatory Compliance
Siemens Power Corporation
2101 Horn Rapids Road
Richland, Washington 99352-0130

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION, ROTARY VACUUM FILTER
(TAC NO. L30956)

Dear Mr. Mass:

This refers to your application dated March 18, 1997, requesting the revision of License SNM-1227 to add a rotary vacuum filter in the mop powder uranium recovery process. Our review of the revision has identified additional information that is needed in the areas of criticality safety before final action can be taken on your amendment request. This additional information is described in the enclosure to this letter.

The additional information should be provided in the form of responses to the individual comments within 30 days of the date of this letter. Please reference the above TAC number in future correspondence related to this request.

If you have any questions, please call me at (301) 415-8102.

Sincerely,

Original signed by:

Susan Chotoo
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

Docket 70-1257
License SNM-1227

Enclosure: Request for Additional
Information

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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If you have any questions, please call me at (301) 415-8102.

Sincerely,

A handwritten signature in cursive script that reads "Susan Chotoo".

Susan Chotoo
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

Docket 70-1257
License SNM-1227

Enclosure: Request for Additional
Information

Request for Additional Information
Application Dated March 18, 1997
Siemens Power Corporation
Docket 70-1257

1. In the March 18, 1997, amendment application, SPC indicated that spacing will be used for criticality control. Indicate which spacing will be used: the spacing between multiple rotary vacuum filters (RVF's), spacing between RVF's and other equipment, or spacing within an RVF.
2. Provide the numerical limits on the boron carbide in the silicone rubber compound that contains both sand and boron carbide. Explain how these limits compare to the subcritical limits for boron carbide. Also, is the boron carbide going to be used as the fixed neutron absorber for criticality control?
3. Provide a detailed schematic of the RVF and the room where it will be used.
4. Explain the geometry controls (GEO2) that SPC intends to use for criticality control.

Enclosure