

SIEMENS

September 23, 1999
DLN:99:080

U.S. Nuclear Regulatory Commission
Attn: Mr. Ronald D. Hauber, Assistant Director
Exports, Security, and Safety Cooperation
Office of International Programs
Mail Stop 3H-5
Washington, DC 20555

IW009
11005149
Class A waste

Dear Mr. Hauber:

Siemens Power Corporation (SPC) requests, under 10 CFR 110.20 (a)(2) and 10 CFR 110.32, the issuance of a license to import material as described below:

Applicant: Siemens Power Corporation
2101 Horn Rapids Road
Richland, WA 99352

Supplier: Advanced Nuclear Fuels GmbH
Am Seitenkanal 1
Industriepark Sud
49811 Lingen
Germany

Country of Origin: Unknown

Intermediate Consignee: None

Ultimate Consignee: Siemens Power Corporation
2101 Horn Rapids Road
Richland, WA 99352

Shipment Dates: First - January, 2000
Last - December, 2010

Material: Combustible material contaminated with low enriched uranium (5% max. ²³⁵U).

Generating Process - Low enriched nuclear fuel fabrication including conversion of UF₆, production of UO₂ powder, pressing of the powder into pellets, and loading of the pellets into fuel assemblies.

Waste Classification - Class A

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PDR CONTR TW009

Periodic shipments, through December 2010 will not exceed a total of 1,200 kilograms of uranium containing 36 kilograms of uranium-235 (5% maximum enrichment).

We would appreciate your review of the attached import license application, including the identification of any additional information the applicant should provide to us.

After all necessary information has been provided, we will forward the application to the Northwest Compact and the States of Utah and Washington for their review and comments. Steps already taken in regard to public notification and coordination with the Department of State are represented in Attachments 3 and 4.

- Attachments:
1. Application IW009 dated September 23, 1999
 2. State of Washington Department of Ecology letter to SPC dtd 02/26/99
 3. NRC letter to Department of State dated December 9, 1999
 4. Federal Register notice dated December 16, 1999

cc: P. Lohaus, OSP

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DCS/DFC⁰²

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IW009

OIP r/f

JKennedy, DWM/NMSS

TRothschild, OGC

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OFFICE	OIP/NEMR	OIP/NEMR:D					
NAME	BLWright <i>BLWright</i>	RDHauber <i>RDHauber</i>					
DATE	12/21/99	12/21/99					

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Periodic shipments, through December 2010 will not exceed a total of 1,200 kilograms of uranium containing 36 kilograms of uranium-235 (5% maximum enrichment).

We would appreciate your review of the attached import license application, including the identification of any additional information the applicant should provide to us.

After all necessary information has been provided, we will forward the application to the Northwest Compact and the States of Utah and Washington for their review and comments. Steps already taken in regard to public notification and coordination with the Department of State are represented in Attachments 3 and 4.

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cc: P. Lohaus, OSP

Physical/Chemical Characteristics - Combustible material (paper, wood, clothing, plastic) contaminated with uranium oxide powder, with a small fraction of slightly contaminated non-combustibles.

Route of Transit - By sea to east coast U.S. port and by truck to SPC.

Disposition - The material will be incinerated and the uranium in the ash recovered at SPC in Richland. An export license will be applied for, and the slightly contaminated non-combustibles sorted out during the incineration process will be returned to ANF GmbH. The uranium-bearing ash will be chemically dissolved, filtered, and the resulting filtrate processed through a solvent extraction process to recover the majority of the contained uranium. The recovered uranium will be used as feed to SPC's nuclear fuel production processes.

Residues from the filter process will be disposed of at either the Hanford low-level radioactive waste disposal site operated by U.S. Ecology (Richland, WA) or Envirocare (Clive, Utah) in accordance with applicable site license conditions and waste acceptance criteria. A letter dated February 26, 1999 from the State of Washington Department of Ecology, which gives approval for SPC to dispose of the filter residues from this operation at U.S. Ecology's disposal site in Richland, is attached. Envirocare has agreed to accept this same filter residue material based on the State of Washington's letter.

Quantity: Periodic shipments totaling 1200 KgU and 36 Kg²³⁵U over 10 years. *50% maximum enrichment*

Enclosed is a check for \$5600.

If you require more information concerning this application, please call me at 509-375-8380.

Very truly yours,



D. L. Noss,
Safeguards Specialist

pm

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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

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February 26, 1999

Mr. Loren J. Maas, Manager
Regulatory Compliance
Siemens Power Corporation
2101 Horn Rapids Road
Richland, WA 99352

Dear Mr. Maas:

I have reviewed the materials that you provided to Mr. Mike Garner, Environmental Specialist, regarding Siemens uranium recovery process. I concur with Mr. Garner's assessment that waste does not result until the vacuum filtration stage of the uranium recovery process. This stage separates the uranium solution, to be used for fuel fabrication, from the ash residue. The waste consists of ash residue and perlite filter media. Hence, the waste generated by the uranium recovery process for both Siemens Lingen, Germany and Richland, Washington contaminated material would be attributed to Siemens' Richland facility. Therefore, these wastes would be eligible for disposal at US Ecology's disposal facility, provided they meet the waste acceptance criteria for the site. I want to emphasize that all non-incinerable items received from Siemens Lingen facility are not eligible for disposal at the US Ecology facility.

The authorization provided above is valid for those materials and processes described within your proposal. I am providing a copy of this letter to Mr. Doug Mosich, Chair of the Northwest Interstate Compact, to ensure the compact is aware that the Washington State Department of Ecology will attribute this waste to Siemens' Richland facility. Should you have additional questions, please contact Mr. Garner at (360) 407-7102.

Sincerely,

Michael Wilson, Program Manager
Nuclear Waste Program

cc: Mr. Doug Mosich, Northwest Interstate Compact
Mr. Gary Robertson, Washington State Department of Health