

March 13, 1992

Docket No. 50-225

Dr. Donald R. Harris, Director
Critical Facility
Department of Nuclear Engineering
and Science
Rensselaer Polytechnic Institute
Troy, New York 12181

Dear Dr. Harris:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING STORAGE OF ADDITIONAL
FUEL AT THE RPI CRITICAL FACILITY

In order to complete our evaluation of your request to increase the amount of
SPERT (F1) fuel pins by 600 at the RPI critical facility, submitted by your
letter of January 28, 1992, please provide responses to the enclosed "Request
for Additional Information."

This requirement affects nine or fewer respondents and, therefore, is not
subject to Office of Management and Budget review under P. L. 96-511.

Sincerely,

- original signed by -

Theodore S. Michaels, Senior Project Manager
Non-Power Reactors, Decommissioning and
Environmental Project Directorate
Division of Advanced Reactors
and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

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[TM RPI CRITICAL FACILITY]

PDNP:LA
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20545

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Sincerely,

A handwritten signature in cursive script, reading "Theodore S. Michaels", is written over the typed name.

Theodore S. Michaels, Senior Project Manager
Non-Power Reactors, Decommissioning and
Environmental Project Directorate
Division of Advanced Reactors
and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

cc: Mayor of the City of Schenectady
Schenectady, New York 12305

New York State Department of
Environmental Conservation
ATTN: Director, Office of
Environmental Analysis
Albany, New York 12223

Mr. Peter L. Angelo
Department of Nuclear Engineering
and Science
Rensselaer Polytechnic Institute
Troy, New York 12181

Director, Technical Development Programs
State of New York Energy Office
Agency Building 2
Empire State Plaza
Albany, New York 12223

New York City Department of Health
Public Health Library
125 Worth Street
New York, New York 10013

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION
REGARDING STORAGE OF ADDITIONAL FUEL
AT THE RPI CRITICAL FACILITY

1. Provide information on the need to have additional fuel pins to conduct low density moderation critical experiments as opposed to the use of existing fuel pins.
2. Provide a detailed drawing of the rack showing material, thicknesses, bolts, welds, unistrut locations, etc.
3. Provide details of the unistruts used. If the manufacturer's catalogue provides details, please provide a copy of the pertinent part of the catalogue.
4. Provide a drawing of the vault, showing wall and slab thicknesses, reinforcing, rack support locations, etc.
5. Provide information regarding loads, load combinations, and acceptance criteria used to qualify the rack and the vault.
6. Provide information regarding the present condition (e.g., cracking and spalling of concrete, rust stains or other deterioration of rack, etc.) of the vault and the rack.