

February 9, 1988

Docket No. 50-146

Mr. R. W. Heward, Jr., President
Saxton Nuclear Experimental Corporation
1 Upper Pond Road
Parsippany, New Jersey 07054

Dear Mr. Heward:

SUBJECT: NRC REVIEW OF TECHNICAL SPECIFICATIONS AMENDMENT APPLICATION

We are continuing our review of your application to Facility Operating License No. DPR-4 for permission to remove facility outbuildings and structures and to reduce the size of the exclusion area. The application was submitted by letter dated September 22, 1987. During our review of the information you had submitted, questions have arisen for which we require additional information and clarification. Please provide responses to the enclosed Request for Additional Information within 90 days of the date of this letter. Following receipt of the additional information we will continue our evaluation of your request. If you have questions regarding this review, please contact me at (301) 492-1121.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P. L. 95-511.

Sincerely,

original signed by
Alexander Adams, Jr., Project Manager
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script, appearing to read "Alexander Adams, Jr.", written in dark ink.

Alexander Adams, Jr., Project Manager
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: See next page

Saxton Nuclear Experimental Corporation

cc: Pennsylvania Department of
Environmental Resources
Bureau of Radiation Protection
ATTN: Ms. Margaret A. Reilly
P. O. Box 2063
Harrisburg, Pennsylvania 17120

Mr. Jim Tydeman
1402 Wall Street
Saxton, Pennsylvania 16678

Mr. James H. Elder, Chairman
Concerned Citizens for SNEC Safety
Wall Street Ext.
Saxton, Pennsylvania 16678

Mr. Ernest Fuller
R. D.
Six Mile Run, Pennsylvania 16679

Saxton Borough Council
ATTN: Ms. Peggy Whited, Secretary
9th and Spring Streets
Saxton, Pennsylvania 16678

Mr. Joseph Clapper, Chairman
Bedford County Commissioners
County Court House
203 South Juliana Street
Bedford, Pennsylvania 15522

Mr. Larry Sather, Chairman
Huntingdon County Commissioners
County Court House
Huntingdon, Pennsylvania 16652

Saxton Community Library
911 Church Street
Saxton, Pennsylvania 16678

Carbon Township Supervisors
ATTN: Ms. Penny Brode, Secretary
R. D. #1, Box 222-C
Saxton, Pennsylvania 16678

Hopewell Township Supervisors
ATTN: Ms. Sally Giornesto, Secretary
511 Tenth Street
Saxton, Pennsylvania 16678

Mr. D. Bud McIntyre, Chairman
Broad Top Township Supervisors
Broad Top Municipal Building
Defiance, Pennsylvania 16633

Pennsylvania Department of
Environmental Resources
Bureau of Water Quality Control
ATTN: Mr. James Flesher
One Ararat Boulevard
Harrisburg, Pennsylvania 17110

Mr. Don Weaver, Chairman
Liberty Township Supervisors
R. D. #1
Saxton, Pennsylvania 16678

U.S. Army Corps of Engineers
Baltimore District
ATTN: S. Snarski/P. Juhle
P. O. Box 1715
Baltimore, Maryland 21203

The Honorable Robert C. Jubelirer
President Pro-Team Senate of
Pennsylvania
30th District
State Capitol
Harrisburg, Pennsylvania 17120

REQUEST FOR ADDITIONAL INFORMATION

SAXTON NUCLEAR FACILITY

DOCKET NO. 50-146

1. Please discuss in detail your future plans for the Saxton Nuclear Facility with regard to decommissioning.
2. Please explain the apparent transfer of the property that the facility is situated on from the Saxton Steam Generating Station to the Pennsylvania Electric Company.
3. Please justify the discontinuation of beta analysis of water samples obtained from the Containment Vessel.
4. In your Safety Evaluation you refer to the Technical Specifications associated with the Saxton Decommissioning Plan and Final Safeguards Report. These Technical Specifications are not currently approved by the NRC. You state that SNEC will assure that the endpoint criteria of Regulatory Guide 1.86, "Termination of Operating Licenses for Nuclear Reactors", are met by performing a detailed radiological survey of the outbuildings and structures. However, no levels are stated for radiation fields. The current acceptable criteria used by the staff for release for unrestricted use are either 5 micro-Roentgen/hour above background at 1 meter from the surface or 10 mrem/year above background, considering reasonable proximity and occupancy. Please state the endpoint criteria to be used for radiation fields at the Saxton Nuclear Facility.
5. Please submit a final survey that in addition to identifying contamination levels in the outbuildings and structures, includes information detailing the following:
 - radiological characteristics of the site, including gamma exposure rates and measurements of soil activity;
 - identification of all isotopes in the soil, specifying those attributable to SNEC operations and those naturally occurring;
 - identification of soil activity distribution with soil depth;
 - evaluation of soil activity for soil located underneath site buildings;
 - evaluation of residual activity for soil located in areas of site sumps, drains, or other drainage pathways;
 - sampling records (either recent or historical) to identify soil activity levels in those underground locations where radioactive waste tanks and associated piping were located. Your records should be sufficient to clearly demonstrate that all underground tanks were removed;
 - identification of any naturally occurring activity in the soil used as a backfill during the 1973 dismantling work at SNEC.

6. Your environmental reports over the past several years identify measurable levels of soil activity. Please indicate your intent as to the final disposition of soil with identified activity attributable to SNEC operations. The description of your intent should identify activity cut-off limits if you intend to use them and should include a pathway analysis and projected dose estimates stemming from any residue activity left on site.