



GPU Nuclear, Inc.
Route 441 South
Post Office Box 480
Middletown, PA 17057-0480
Tel 717-944-7621
717-948-8720

April 27, 2000
E910-00-002

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Gentlemen:

Subject: Saxton Nuclear Experimental Corporation (SNEC)
Operating License No. DPR-4
Docket Nos. 50-146
1999 Annual Radioactive Effluent Releases Report

The Annual Radioactive Effluent Releases Report required by SNEC Technical Specification 3.8.2.3; and the Off-Site Dose Calculation Manual Part 3, Section 2.0 is enclosed.

Attachment 1 contains a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the site as outlined in Reg. Guide 1.21, Rev. 1, with data summarized on a quarterly basis following the format of Appendix B thereof.

Attachment 2 contains information for each type of solid waste shipped offsite during the report period including the container volume, total curie quantity (specified as determined by measurement or estimate), principal radionuclides (specified as determined by measurement or estimate), type of waste, type of shipment and solidification agent(s).

Attachment 3 includes a summary of unplanned releases from the site to unrestricted areas of radioactive materials in gaseous and liquid effluents made during the reporting period.

Attachment 4 describes any changes made during 1999 to the Process Control Program (PCP) documents or to the Offsite Dose Calculation Manual (ODCM) and a listing of new locations for dose calculations and/or environmental monitoring identified by the land use census pursuant to Part 1, Control 2.3.2 of the ODCM.

JEAB

Attachment 5 reports all instrumentation not returned to operable status within 30 days per the SNEC ODCM Part 1, Control 2.1.2.b.

Attachment 6 is an assessment of the radiation doses due to the radioactive liquid and gaseous effluents released from the respective unit during 1999.

Attachment 7 is an assessment of the radiation doses from the radioactive liquid and gaseous effluents to members of the public due to their activities inside the site boundary during 1999.


Attachment 8 is an assessment of the radiation doses to the likely most exposed real individual from reactor releases and other nearby uranium fuel cycle sources including doses from primary effluent pathways and direct radiation for 1999. This assessment shows conformance with 40 CFR 190 "Environmental Radiation Protection Standards for Nuclear Power Operation."

Attachment 9 is a summation of deviations from the sampling and analysis regime specified in the ODCM for SNEC.

Enclosure 1 is a copy of the SNEC Offsite Dose Calculation Manual (ODCM), E900-PLN-4542.08, revision 0, which was current as of 12/31/99.

Please contact Art Paynter (Radiation Safety Officer) at (814) 635-4384 if you have any questions concerning this report.

Sincerely,



G. A. Kuehn
Vice President SNEC

AFP
Attachments

cc: NRC Project Manager NRR
NRC Project Scientist, Region 1