



GPU Nuclear, Inc.
Three Mile Island
Nuclear Generating Station
Route 441 South
Post Office Box 480
Middletown, PA 17057-0480
Tel 717-944-7621

June 28, 2005
E910-05-028

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

Subject: Saxton Nuclear Experimental Corporation (SNEC)
Operating License No. DPR-4
Docket No. 50-146
2004 Annual Report

Gentlemen,

The purpose of this letter is to submit a written report covering the status of the Saxton Nuclear Experimental Corporation (SNEC) Facility in accordance with Section 3.8.2 of the Saxton Nuclear Experimental Corporation (SNEC) Technical Specifications.

The report is for the period beginning January 1, 2004 through December 31, 2004.

Sincerely,

A handwritten signature in black ink, appearing to read 'G. A. Kuehn', written over a horizontal line.

G. A. Kuehn
Program Director, SNEC

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

A001
A020

SAXTON NUCLEAR EXPERIMENTAL CORPORATION

2004

ANNUAL REPORT

FOR THE

SAXTON NUCLEAR EXPERIMENTAL CORPORATION FACILITY

January 1, 2004 – December 31, 2004

EXECUTIVE SUMMARY

During the report period of January 1, 2004 through December 31, 2004, numerous activities were conducted at the Saxton Nuclear Experimental Corporation (SNEC) Facility in preparation for Final Status Survey (FSS) and license termination. SNEC's Radiological Control Technicians (RCTs) continued to monitor radiological conditions at the site to assure protection of the health and safety of the general public and site personnel.

This report provides an overview of the site activities and administrative changes that are listed in Section 3.8.2 of SNEC's Technical Specifications (Tech Specs). The information includes:

- A. Changes in the management and supervisory positions designated in Section 3.1 (Organization and Responsibilities) as being responsible for decommissioning the facility.
- B. A summary of the decommissioning, design and maintenance changes made to the deactivated facility.
- C. Results of surveys and monitoring performed in accordance with Tech Spec Section 3.6.2.1 (Radioactive Effluent Controls Program) and Section 3.6.2.2 (Radiological Environmental Monitoring Program).
- D. A review of the performance of access control and surveillance measures.

ANNUAL REPORT IN COMPLIANCE WITH PARAGRAPH 3.8.2 OF THE SNEC TECHNICAL SPECIFICATIONS

January 1, 2004 to December 31, 2004

The following information addresses the reporting requirements set forth in Section 3.8.2 of the Technical Specifications for the Saxton Nuclear Experimental Corporation (SNEC) facility. The information includes activities and changes that occurred during the 2004 calendar year. Each of the following sections corresponds to a reporting requirement cited by SNEC's Technical Specifications (Tech Specs).

Acronyms

The following list includes acronyms that are commonly used at the SNEC site and included in this report:

SNEC – Saxton Nuclear Experimental Corp.	SNEF – Saxton Nuclear Experimental Facility
FSS – Final Status Survey	CV – Containment Vessel
SSGS – Saxton Steam Generating Station	CAP – Corrective Action Program

A. Tech Spec Section 3.8.2.1

Information relating to changes in those management and supervisory positions designated in Tech Spec Section 3.1 as being responsible for decommissioning the facility.

- In 2004, Michael S. Williams retired and Lou Shamenek assumed the position of SNEC Facility Site Supervisor.

B. Tech Spec Section 3.8.2.2

Summary of the decommissioning, design, and maintenance changes made to the deactivated facility:

CV Dome and Shell Removal

- Removed the CV Dome and CV Shell to elevation 804 ft.,
- Removed the CV polar crane, bridge, trolley and rails,
- Surveyed the CV steel and polar crane components. Segregated the material for disposal,
- Completed FSS of the below-grade, exterior portion of the CV Shell,
- Completed FSS of the CV excavation walls and concrete cover,
- Completed FSS of the SSGS steam tunnel and demolition of the tunnel roof,
- Completed backfill of the CV excavation and steam tunnel (backfill to grade).

CV East Yard

- Stripped the top layer of soil from the entire east yard area,
- Remediated contaminated soil in miscellaneous pipe trenches and the former Drum Storage Area,
- Excavated contaminated soil that was used to backfill the former location of the plant's underground tanks which were removed in the 1970's following shutdown.
- Removed the south SNEC fence (original plant fencing),
- Completed survey of large rocks (boulders) that were removed during soil processing.

SSGS Discharge Tunnel

- Completed FSS of the SSGS Discharge Tunnel,
- Completed FSS of the Spray Pond Pump Pit,
- Sealed the SSGS Discharge Tunnel access points (backfilled manways and entrance),
- Backfilled the Spray Pond Pump Pit (filled to grade).

SSGS Footprint and Seal Chambers

- Completed FSS of the SSGS Footprint and SSGS Seal Chambers,
- Poured concrete in the SSGS Footprint floor trenches and backfilled the SSGS with soil to grade.

Site Open Land areas

- Continued characterization and sampling of open land areas,
- Remediated areas on the site property external to the original SNEC footprint that were impacted by previous SNEC operations

Balance of Plant

- Removed the Tank Farm Building,
- Relocated trailer/structure power supplies to existing poles and removed the power shed that was installed to support decommissioning activities,
- Removed and relocated trailers to the concrete pad for the former Penelec Warehouse,
- Completed FSS of the Penelec Line Building,

Other

- Mobilized and staged a crusher machine and began processing materials removed during site remediation activities,
- Staged equipment, conveyor systems performed automated surveys of the processed materials,
- Continued shipments of radioactive wastes.

C. Tech Spec Section 3.8.2.3

Results of surveys and monitoring performed in accordance with Technical Specifications Section 3.6.2.1 (Radioactive Effluent Controls Program) and 3.6.2.2 (Radiological Environmental Monitoring Program):

The results of the Radiological Environmental Monitoring Program are contained in the 2004 Radiological Environmental Monitoring Report.