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E910-02-023

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

Subject: Saxton Nuclear Experimental Corporation (SNEC)
Operating License No. DPR-4
Docket Nos. 50-146
2001 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 Amendment 17.

The report is for the period beginning January 1, 2001 through December 31, 2001.

Sincerely,

G. A. Kuehn
Vice President SNEC

AFP
Enclosure

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

A001

SAXTON NUCLEAR EXPERIMENTAL CORPORATION

2001

ANNUAL REPORT

FOR THE

SAXTON NUCLEAR EXPERIMENTAL CORPORATION FACILITY

January 1, 2001 - December 31, 2001

EXECUTIVE SUMMARY

During the report period January 1, 2001 through December 31, 2001, various activities were conducted at the Saxton Nuclear Experimental Corporation (SNEC) Facility to prepare for Final Status Survey (FSS) and license termination. SNEC Facility Radiological Controls personnel 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 reviews those activities as required by the Technical Specifications Section 3.8.2 and includes:

A. Information relating to changes in those management and supervisory positions designated in the Technical Specifications Section 3.1 (Organization and Responsibilities) as being responsible for decommissioning the facility.

B. A summary of decommissioning, design, and maintenance changes made to the deactivated facility.

C. 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).

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, 2001 - DECEMBER 31, 2001

This report was prepared in accordance with Section 3.8.2 of the Saxton Nuclear Experimental Corporation (SNEC) Technical Specifications. The reporting period covers January 1, 2001 through December 31, 2001. Each section presented corresponds to the appropriate requirements of the Technical Specifications.

A. Section 3.8.2.1 - The following is information relating to changes in those management and supervisory positions designated in Section 3.1 of the Technical Specifications:

GPU Nuclear's parent company GPU, Inc. and FirstEnergy Corp. entered into an Agreement and Plan of Merger, whereby FirstEnergy Corp. became the successor company to GPU, Inc. when the merger was finalized on November 7, 2001. As a result, the incumbent GPU Nuclear Cognizant Officer retired effective November 30, 2001 and the Program Director SNEC Facility, who is also a Vice-President of SNEC, was assigned the additional responsibility of Cognizant Officer. This change was documented in GPU Nuclear letter E910-01-026 dated November 28, 2001.

One incumbent Radiological Controls Technician was promoted to the position of GRCS to support decommissioning and final status survey activities.

B. Section 3.8.2.2 - The following is a summary of decommissioning, design, and maintenance changes made to the deactivated facility:

Containment Vessel (CV) Concrete Removal

1. Contract was awarded to TLG Services Inc. (TLG) on 7/24/01.

2. TLG mobilization started on 8/1/01, which included installation of the TLG doublewide office trailer and installation of storage and supply trailers.

3. GTS Technologies (a TLG subcontractor) mobilized for the CV stabilization phase of the project, which included installation of sheet piling, interceptor trench, grout curtain, and drilling rock anchor bolt holes. Some of this work continued into 2002.

4. GPU prepared the CV for concrete removal, which included:

   - Replaced the CV/DSB Ventilation System Intake Plenum with a smaller sized unit.
   - Removed the 10-ton hoist.
   - Relocated the CV power panel from 818' elevation to the Decommissioning Support Building (DSB).
   - Decontaminated and removed non-functioning equipment and parts from the CV Polar Crane.

- Removed the CV Reactor Cavity cover plates and installed temporary handrails.
- Removed all scaffolding & miscellaneous materials and equipment from the CV.
- Removed the 781' & 795' structural steel platforms.
- Excavated the area surrounding the CV and installed shoring to accommodate the start of rock anchor drilling.

North CV Yard Areas

1. Excavated and remediated contaminated soil from the north CV Yard area.
2. Completed removal of the CV bio-shield wall.
3. Decontaminated & removed the CV Pipe Tunnel, with the exception of the portion beneath the Material Handling Bay section of the Decommissioning Support Facility.
4. Cut off and capped 10 CV pipe penetrations protruding into the north yard.
5. Removed the Resin Tank foundations.
6. Removed the Septic Tank foundation slab and Chlorinator Building foundation and walls.
7. Removed the remaining Vent Stack and Refueling Tank Pump House foundations.
8. Removed the remaining SNEC yard drain catch basins and piping.
9. Removed the remaining Weir pipe to the Juniata River.

Saxton Steam Generation Station (SSGS) Intake & Discharge Tunnels

1. Uncovered and cleaned out the Intake Tunnel manways.
2. Removed the 24" diameter, 75 foot long, Spray Pond de-icing crossover pipe to the Intake Tunnel.
3. Cleaned out the Intake Tunnel Intake Structure and installed temporary stop logs.
4. Partially excavated the Intake Tunnel Trash Rake.
5. Dewatered and removed some silt from the Intake Tunnel.
6. Dewatered and removed silt & debris from the lower portions of the Discharge Tunnel.
7. Completed remediation and characterization surveys of the Discharge Tunnel.

8. Completed Characterization of the Intake Tunnel

Saxton Steam Generating Station (SSGS)

1. Completed the SSGS footprint excavation.

2. Remediated the sumps and removed embedded drain lines.

3. Removed embedded drain lines from the 811' boiler pad and 806' floors.

4. Removed manways and provided access for entry into the Intake Tunnel rooms under the SSGS Footprint.

5. Performed robotic inspection and sampling of Intake Tunnel rooms.

6. Dewatered, de-silted, and performed characterization surveys of the Intake Tunnel rooms.

7. Dewatered and cleaned Seal Chambers 1 & 2.

8. Dewatered and cleaned Seal Chamber 3, including remediation of PCB spill.

Other Activities

1. Cleared trees and brush in areas of Phase 1 Large Area Survey.

2. Drilled additional site ground water monitoring wells.

3. Excavated Shoups Run Shunt Line tie-ins to support characterization surveys.

4. Shipped contaminated soils from the CV north yard excavation.

5. Shipped asbestos contaminated fill from the SSGS excavation.

6. Segregated, packaged, and shipped some PCB contaminated debris from the SSGS Seal Chambers.

7. Shipped DAW & contaminated steel.

C. Section 3.8.2.3 - Results of surveys and monitoring performed in accordance with Technical Specifications Sections 3.6.2.1 (Radioactive Effluent Controls Program) and 3.6.2.2 (Radiological Environmental Monitoring Program):

The results of the Radioactive Effluent Controls Program and the Radiological Environmental Monitoring Program were previously submitted to the NRC via GPU Nuclear Letters E910-02-018 and E910-02-019 both dated April 30, 2002.

D. Section 3.8.2.4 - The following is a review of the performance of access control and surveillance measures:

Access Control

1. A uniformed SNEC Site Watchman (Unarmed Security Officer) continues to provide access control to the site during normal work hours. All SNEC personnel continue to display security badges during normal work hours. Temporary badges are issued to visitor personnel. A site escort is required until the visitor receives Site Specific Access Training in accordance with 10CFR19.12.

2. SNEC Facility Management is responsible for maintaining access control to the Exclusion Area. The Exclusion Area (Decommissioning Support Facility and Containment Vessel) is maintained locked and a security alarm system is activated during non-working hours.

    - There were no break-ins or known attempted break-ins at the SNEC Facility during the year 2001.

    - There was one incident where an Exclusion Area door (Decommissioning Support Building personnel south door) was left unlocked overnight when SNEC personnel were not actively working onsite. The security alarm system, which includes motion and door intrusion sensors, was in service during this event. There was no evidence of unauthorized Exclusion Area access during the event. This event was reported to the NRC via GPU Nuclear letter E910-02-001 dated January 4, 2002.

Surveillances

All Technical Specification surveillances were performed in the required frequency as described in TS Section 3.5.3.1, unless specifically noted below. The following surveillance inspections were reviewed for this report:

1. Verification that Exclusion Area access points are secured at the completion of each authorized entry.

    A verification of the Decommissioning Support Building south door was not performed on 12/06/01. See 2(b) in the Access Control section of this report.

2. Verification of the operability of the Exclusion Area intrusion alarms performed quarterly.

    All surveillance inspections were performed satisfactorily in the year 2001.

3. The Station Ventilation System Effluent Particulate Monitor channel checks, source checks, channel test and channel calibration shall be performed at a frequency specified in the SNEC Facility Offsite Dose Calculation Manual (ODCM).

    There were no surveillance deficiencies involving the Station Ventilation System Effluent Particulate Monitor channel checks, source checks, channel tests, and channel calibrations.

4. The Station Ventilation System HEPA filter will be tested to verify efficiencies in accordance with the requirements of the ODCM.

The Station Ventilation System HEPA filters were DOP tested on 5/21/01. There were no surveillance deficiencies involving Station Ventilation System HEPA filter testing in 2001.