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This form is to be filled out (typed or hand-printed) by the person who announced the meeting (i.e., the person who issued the meeting notice). The completed form, and the attached copy of meeting handout materials, will be sent to the Document Control Desk on the same day of the meeting; under no circumstances will this be done later than the working day after the meeting.

Do not include proprietary materials.

DATE OF MEETING

05/25/2000

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)	50-146
Plant/Facility Name	saxton nuclear experimental facility
TAC Number(s) (if available)	ma8076
Reference Meeting Notice	ml003711486
Purpose of Meeting (copy from meeting notice)	public meeting concerning license termination plan for the saxton nuclear experimental corporation facility

NAME OF PERSON WHO ISSUED MEETING NOTICE

Alexander Adams Jr.

TITLE

senior project manager

OFFICE

NRR

DIVISION

DRIP

BRANCH

REXB

Distribution of this form and attachments:

Docket File/Central File

PUBLIC

DF01

NRC Inspection Program

at

Saxton

Presented by Thomas Dragoun
May 25, 2000

Requirements Inspected

NRC regulations: 10 CFR Parts 19, 20, 50, 61,
and 71

DOT regulations: 49 CFR Parts 171, 172, 173
(review only)

OSHA regulations: 29 CFR 1926 (review only)

Technical Specifications:

- Quality Assurance Program
- Radioactive Effluent Controls
- Radiological Environmental Monitoring
- Offsite Dose Calculation Manual
- Fire Protection

Specific Work Instructions

Inspection Objective

To determine if the dismantlement and decontamination of the Saxton facility is conducted safely and in accordance with regulatory requirements and licensee commitments.

Inspection Method

- Use of experienced, qualified inspectors and specialists
 - Observe work, review records, interview personnel
 - Schedule site visits to coincide with major tasks
 - Document findings
 - Graded approach to safety significance
 - Telephone contact between site visits
 - Pre-emptive reviews

Inspection Results to Date

Since the soil remediation project in 1994, there have been 10 inspections, of which 6 occurred in the period 1998-1999.

No violations of requirements have been observed.

No major program weaknesses have been observed.

Future Inspections

Continue observation of remediation activities

Use ORISE to observe final radiation survey techniques and protocols

Potential ORISE independent confirmatory radiation survey



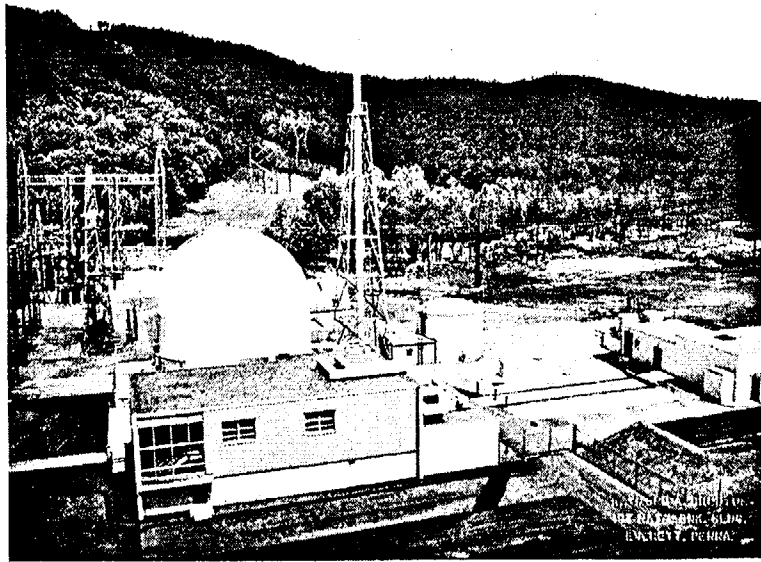
SNEC License Termination Plan

**NRC Public Meeting
May 25, 2000**

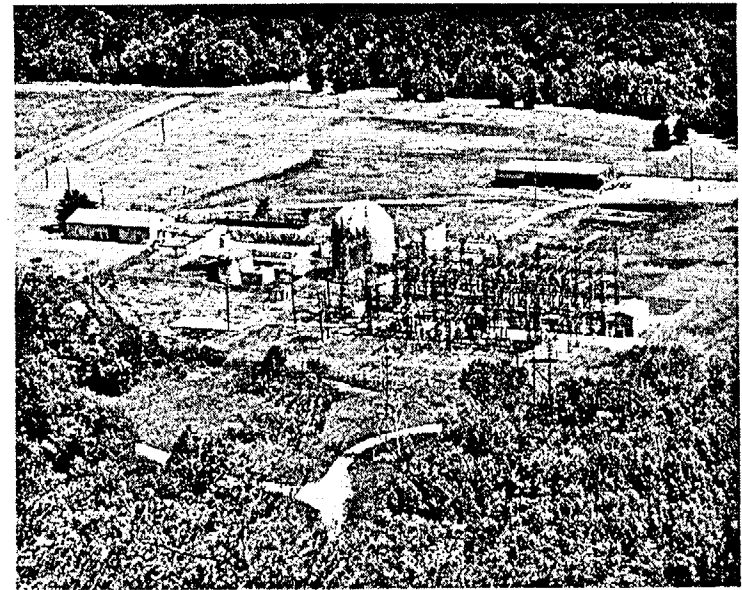
Robert D. Holmes
D & D Engineering
GPU Nuclear

Background

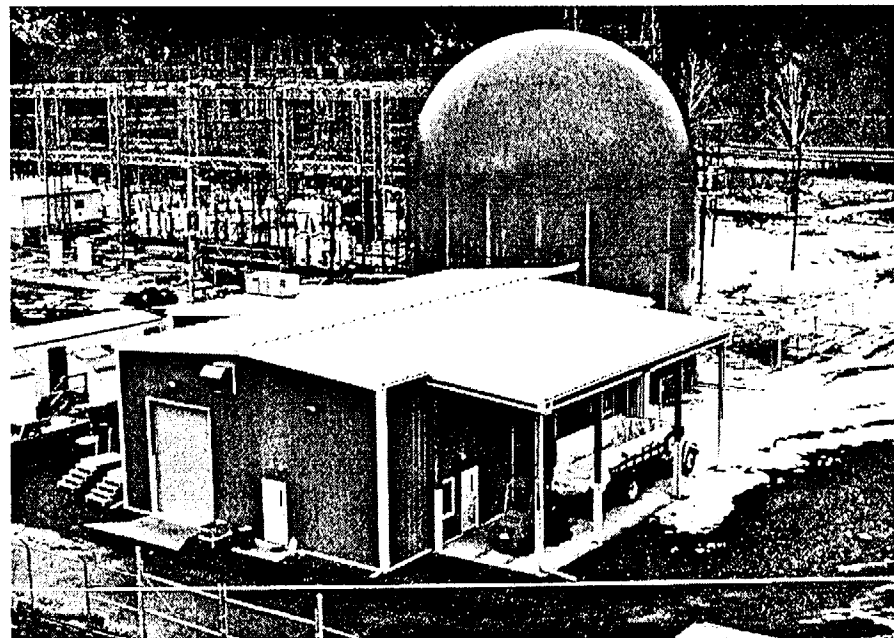
- April 1962 - Initial Criticality
- May 1972 - Final Shutdown
- 1986 - 1992 - Outbuildings Remediated, Released and Demolished
- 1994 - Soil Remediation Campaign
- April 1998 - License Amendment 15 authorizes decommissioning
- February 2000 - License Termination Plan submitted to NRC for review and approval



1962



1985



1997

SNEC Facility Status

- LTP submitted February 2000
 - NRC Review in Progress
 - Request for Additional Information
 - License Amendment Process
- FSS Implementing Procedures in Development
- Termination Criteria - Unrestricted Release
 - $\leq 25\text{mrem/yr}$ all pathways
 - $\leq 4\text{mrem/yr}$ ground water
- License Termination - April 30, 2001

Regulations and Agencies

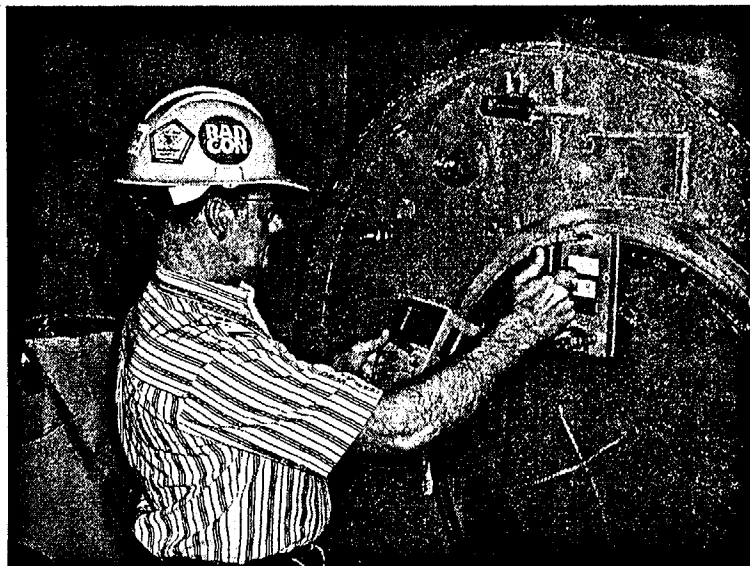
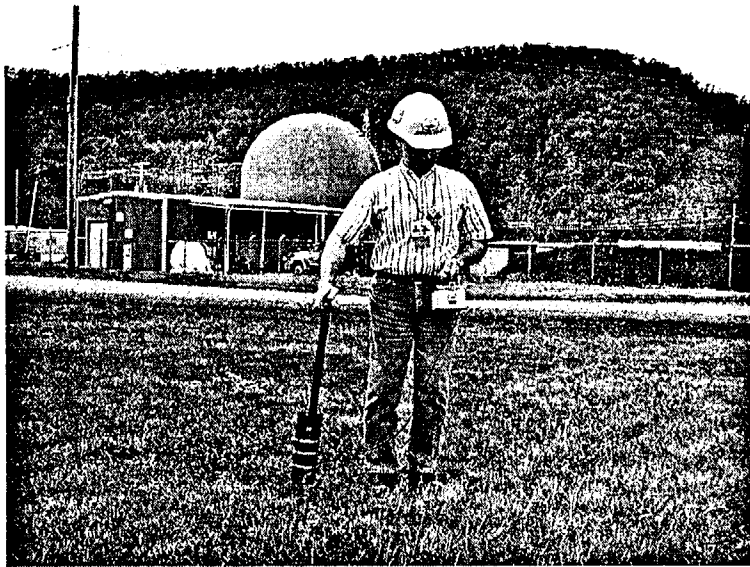
- NRC (Atomic Energy Act)
 - 10 CFR 50.82 - License Termination
- USEPA
- USDOT
- OSHA
- PaDEP BRP

License Termination Plan Contents

- General Information
- Site Characterization
 - Radiological Status
 - Area Classifications
 - Background Data
 - Instrumentation and Methods
 - Conclusions
- Remaining Dismantlement Activities
 - Remaining Tasks
 - Waste Projection

License Termination Plan Contents

- Remediation Plans
 - Decontamination Methods
 - Areas to be Remediated
- Facility Final Radiation Survey Plan
 - Overview
 - Post Remediation Surveys
 - Survey Design/Quality Assurance
 - Data Collection
 - Data Assessment
 - Survey Results



License Termination Plan Contents

- Compliance with Radiological Criteria for License Termination
 - Dose Modeling
 - Dose Assessment
 - ALARA Analysis
- Update of Site-Specific Decommissioning Costs
- Supplement to the Environmental Report

Summary

- SNEC LTP Review & Approval Process
 - Request for Additional Information
- Following LTP Approval - Complete FSS
- Demonstrate Compliance with Release Criteria
 - Formal Report
- License Termination
 - NRC Confirmation Surveys



*United States
Nuclear Regulatory Commission*

**SAXTON
LICENSE TERMINATION PLAN
PUBLIC MEETING**

May 25, 2000

*Alexander Adams, Jr.
Senior Project Manager
Events Assessment, Generic Communications and
Non-Power Reactors Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation*

PURPOSE

- **Provide information on the license termination process and provide an opportunity for public input**
 - **Discuss remaining regulatory process for decommissioning**
 - **Discuss requirements and NRC review of license termination plan (LTP)**
 - **Discuss inspection process during remaining site activities**
-

THE NUCLEAR REGULATORY COMMISSION

Regulates the use of nuclear energy to protect public health and safety by:

- **establishing standards and regulations**
 - **issuing licenses after ensuring relevant standards and regulations are met**
 - **inspecting to assure compliance with regulations**
-

DECOMMISSIONING IN GENERAL

Decommissioning - To remove a facility safely from service and reduce residual radioactivity to a level that permits release.

- **NRC focus is on removal of radiological hazards**
 - **First step is to remove facility safely from service**
 - **Licensee reduces levels of radioactive material on site**
 - **Licensee performs detailed final radiation survey**
 - **NRC may perform confirmatory survey**
 - **If release criteria and regulations are met, license is terminated and NRC oversight ends**
-

SAXTON DECOMMISSIONING MILESTONES

- **Certification of permanently ceasing power generation operations - Deemed to be submitted for Saxton.**
 - **Certification of permanent fuel removal from the reactor - Deemed to be submitted for Saxton.**
 - **Submission of the Post-Shutdown Decommissioning Activities Report (PSDAR) - The Saxton decommissioning plan became the PSDAR on August 28, 1996, which contained:**
 - **Planned decommissioning activities**
 - **Activities schedule**
 - **Estimate of expected costs**
 - **Reasons for concluding that environmental impacts are bounded by previously issued impact statements**
-

SAXTON DECOMMISSIONING MILESTONES

- **NRC noticed the PSDAR in December 1996 and held a public meeting on January 28, 1997, to provide information and gather public comment.**
 - **Because of license requirements restricting decommissioning activities, Saxton needed a license amendment to conduct decommissioning activities. Amendment 15 was issued on April 20, 1998.**
 - **Licensees conducted decommissioning activities as allowed by the facility license and regulations.**
 - **LTP and application for termination of license submitted to NRC by the licensees on February 2, 2000.**
-

SAXTON DECOMMISSIONING MILESTONES

- **NRC published a notice in the Federal Register on May 15, 2000, of notice of receipt of the LTP and provides opportunity for written comments.**
 - **Public meeting tonight to provide information on the license termination process and provide an opportunity for public input.**
-

SAXTON DECOMMISSIONING - NEXT STEPS

- **The LTP is a supplement to the Safety Analysis Report and is approved by a license amendment.**
- **A "Notice of Consideration of Issuance of Amendment to Facility License, Proposed No Significant Hazards Consideration Determination, and Opportunity for a Hearing" will be placed in the FEDERAL REGISTER in the next 45 days.**

This notice will open a 30 day window to request a hearing on the license amendment.

- **A meeting (open to public observation) between NRC and Saxton/GPU Nuclear staff is scheduled for May 30, 2000, at NRC Headquarters to discuss LTP review schedules.**
-

SAXTON DECOMMISSIONING - NEXT STEPS

- **The licensees have submitted a request for license amendment to makes changes to the organizational and administrative controls technical specifications to reflect changes to the GPU Nuclear organization following the sale of Oyster Creek. A "Notice of Consideration of Issuance of Amendment to Facility License, Proposed No Significant Hazards Consideration Determination, and Opportunity for a Hearing" will appear in the FEDERAL REGISTER on May 31, 2000.**
 - **NRC will continue with the LTP review.**
 - **Licensees continue decommissioning activities on site.**
 - **Licensees perform termination survey. NRC will perform a confirmatory survey.**
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SAXTON DECOMMISSIONING - NEXT STEPS

- **The license will be terminated if the license termination plan was followed and the site meets the release criteria.**
-

NRC CONTACTS

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SAXTON INFORMATION

NRC web site is at <http://www.nrc.gov>

Saxton LTP is posted at <http://www.nrc.gov/OPA/reports>

Click on "Decommissioning"

Documents related to Saxton can be found by clicking "Public Electronic Reading Room" on bottom of page.

You will need to download and run some software on your computer.

Login as "guest"

Select "Publicly Available Records System"

To search click on "tools" and select "ADAMS Find"

Enter the docket number as "05000146" and select "Find"

Select "View" from top of page and click on "Show Criteria"

List of Saxton documents will appear, double click on document to view.



United States Nuclear Regulatory Commission

OVERVIEW OF SAXTON LICENSE TERMINATION PLAN

MAY 25, 2000



United States Nuclear Regulatory Commission

PRESENTATION/OVERVIEW

- **Meeting Purpose**
- **Regulatory Basis**
- **LTP Review Process**
- **Status of Review of Saxton's LTP**



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PURPOSE

- **Provide the public/stakeholders information on LTP and an opportunity to provide input**
- **Conduct meeting near site, to discuss LTP, and address questions and or comments, 50.82(a)(9)(iii)**



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REGULATORY BASIS

- **10 CFR 50.82(a)(9) prescribes requirements for LTP's for decommissioning nuclear power reactors**
- **10 CFR Part 20, Subpart E prescribes specific radiological criteria for license termination**



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LTP REVIEW PROCESS

Reviewed to ensure that it addresses the regulatory requirements for release of the site and includes:

- **Site characterization**
- **Remaining dismantlement activities**
- **Detailed plans for site remediation**



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- **Plans for the final radiation survey**
- **The approach used to demonstrate compliance with the radiological release criteria**
- **An updated site-specific cost estimate**
- **A supplement to the Environmental Report**



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STEPS IN THE LTP REVIEW

- (1) Acceptance Review**
- (2) Technical Reviews**
- (3) Request for Additional Information (RAI)**
- (4) Safety and Environmental Reviews and**
- (5) Approved by license amendment with an opportunity for a hearing**



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LTP may propose either:

- **release for unrestricted use, or**
- **release under restricted-use conditions**

**LTP submitted at least two years before
termination of the license**

**Public meeting must be held near the site to
discuss the LTP, typically within 90 days after
acceptance of LTP**



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AVAILABLE GUIDANCE

- **Regulatory Guide 1.179, “Standard Format and Content of License Termination Plans for Nuclear Power Reactors”**
- **NUREG-1700, “Standard Review Plan for Evaluating Nuclear Power Reactor License Termination Plans,” Final Report, April 2000**
- **NUREG-1575, “Multi-Agency Radiation Survey and Site Investigation Manual”**



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STATUS OF SAXTON LTP REVIEW

- **LTP resubmitted February 2000**
- **Acceptance Review Completed March 2000**
- **Safety and Environmental Review initiated, April 2000**
- **LTP Public Meeting, May 2000**
- **Request for Additional Information (RAI), September 2000**



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NRC's PRINCIPAL AREA OF FOCUS/CONCERN RELATED TO THE LTP

- **Detailed plans for the final radiation/release survey.**
- **Approach used to demonstrate compliance with the radiological criteria (10 CFR Part 20, Subpart E) for license termination.**
- **An updated site-specific estimate of remaining decommissioning costs.**