

COMMISSION BRIEFING SLIDES/EXHIBITS

BRIEFING ON DECOMMISSIONING ACTIVITIES AND STATUS

OCTOBER 7, 2003



DECOMMISSIONING PROGRAM

1

INTRODUCTION

- Focus on reactor decommissioning
- Status of decommissioning reactors
- Lessons learned – improving the process
- Input from Stakeholders

2

DECOMMISSIONING PROGRAM

- Annual Report addresses:
 - Material facilities, fuel cycle facilities, uranium recovery facilities
 - Reactors
 - Research
 - Programmatic activities

3

REGIONAL ACTIVITIES

- Onsite inspections
- Written reports
- Close coordination with program offices
- Interaction w/local, state, & federal gov'ts
- Attendance at CAP meetings

4

DECOMMISSIONING REACTORS

- 20 power reactors in decommissioning
- 4 LTPs approved
- Big Rock Point (BRP) LTP under review
- Discussion of BRP, CY, and Trojan

6

PLANT STATUS - SAFSTOR

- NMSS - Three Mile Island 2, Dresden 1,
Zion 1&2, Peach Bottom 1,
La Crosse, Humboldt Bay
- NRR - *Indian Point 1, Vallecitos,
Nuclear Ship Savannah*

7

PLANT STATUS - DECON

- NMSS - Trojan, Rancho Seco, Yankee
Rowe, Big Rock Point, Fermi 1
Maine Yankee, Connecticut
Yankee, San Onofre 1
- NRR - *Millstone 1, Saxton*

7

TROJAN

- Permanently shutdown - 11/92
- LTP submitted - 8/99
- LTP approved - 2/01
- Fuel transfer to ISFSI complete - 9/03
- Decommissioning complete - 2004

8

CONNECTICUT YANKEE

- Permanently shutdown – 12/96
- Fuel transfer to ISFSI complete – 2/05
- LTP submitted – 7/00
- LTP approved – 11/02
- Decommissioning complete – 2006

9

BIG ROCK POINT

- Permanently shutdown – 8/97
- Fuel transfer to ISFSI complete – 3/03
- LTP submitted – 4/03
- LTP meeting – 8/03
- Decommissioning complete – 8/05

10

IMPROVING THE PROCESS – LICENSEE INTERACTIONS

- Pre-submittal meetings
- 90 day acceptance reviews
- Resolving RAIs via meetings vs. letters
- Inspections
- Guidance consolidation

11

IMPROVING THE PROCESS – STAKEHOLDER OUTREACH

- Conferences/workshops
- Stakeholder involvement
 - States
 - Local communities
- Communication Plans

12

ACCOMPLISHMENTS (FY 03)

- LTR analysis (SECY 03-0069)
- LTP approvals (MY, CY, Saxton)
- Remove Watertown from SDMP

13

FUTURE ACTIVITIES (FY 04)

- LTR analysis follow-up (SECY 03-0069)
- Decommissioning funding
- AAR – restricted release
- Enhance Decommissioning webpage
- Decommissioning Program Evaluation

14

ACRONYMS

- BRP - Big Rock Point
- CAP- Citizen's Advisory Panel
- CY - Connecticut Yankee
- FY - fiscal year
- ISFSI - Independent Spent Fuel Storage Installation

15

ACRONYMS

- LTP - License Termination Plan
- LTR - License Termination Rule
- MY - Maine Yankee
- RAI - Request for Additional Information
- SDMP - Site Decommissioning Management Plan

16

SAXTON INDEPENDENT INSPECTION PROGRAM

**Rodger W. Granlund
Independent Inspector
7 October 2003**

INTRODUCTION

- **Proceedings of PA PUC**
 - **1987 Complainant requests full-time independent inspector and consultant to review decommissioning plan under county commissioners.**
 - **Feb 95 GPU Nuclear proposes part-time independent inspector under contract with Penn State Univ.**

INSPECTOR CONTRACT

- **Jan 96 – Jun 98 contract w/PSU**
- **Jul 98 – Dec 00 extension w/PSU**
- **Jan 01 – Dec 02 extension w/PSU**
- **Jul 02 – present, direct contract w/inspector**

3

INSPECTOR

- **Conduct random unannounced inspections of the site (≥ 3 /mo).**
- **Review and observe work, plans, procedures, records.**
- **Provide technical information to community (public meetings, 800 number).**

4

INSPECTOR

- **Train persons to do monitoring.**
- **Invited to Readiness Review meetings**
- **Provide written quarterly reports and final report to Bedford County Commissioners, SCTF and GPU Nuclear.**

5

GPU NUCLEAR

- **Provide draft copies of decommissioning plan.**
- **Provide work schedule.**
- **Provide unrestricted access to records and provide copy.**
- **Provide unrestricted access to the Saxton facility.**

6

PROBLEM RESOLUTION

- **Notify Saxton Site Supervisor**
- **If not resolved, notify:**
 - **Saxton Program Director**
 - **Bedford County Commissioners**
 - **Public Utilities Commission**
 - **Saxton Citizens Task Force**
 - **NRC**

7

SUMMARY

- **Positive response from Saxton Citizens Task Force, County Commissioners and GPU Nuclear on quarterly reports.**
- **Positive response to photographs and inspection reports at Saxton Citizens Task Force meetings.**

8

SUMMARY

- **One SCTF member trained and participated in radiation measurements on site.**
- **Good cooperation from GPU Nuclear on access to site, meetings and records.**
- **Inspector has been able to operate independently.**

9

SUMMARY

- **Aids to public acceptance of the Saxton project.**
 - **Opening meetings of the Saxton Oversight Committee.**
 - **Long-term interaction of the NRC project manager and NRC inspector with the Saxton Citizens Task Force.**

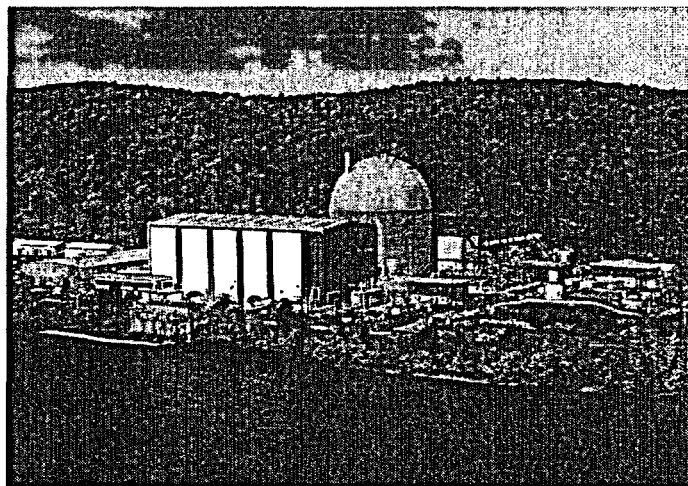
10

Connecticut Yankee LTP Feedback

Kenneth J. Heider
October 7, 2003



Connecticut Yankee



LTP Review Duration Very Long

- **Greater Than Two Year Approval Process**
 - Pre-Application Meetings and Adequacy Review Did Not Uncover Concerns
 - Extensive Information Requests to Resolve Staff Site Characterization and Dose Modeling Concerns
- **Second Review Team Improved Performance**
 - Weekly Conference Calls Resolved Issues
 - Informal Review of Proposed Revisions Shortened Approval Time
- **ASLB Process Duration Also Greater Than 2.5 Years**
- **Improvements Being Implemented for Yankee Rowe LTP**

3

NRC Public Involvement Improves License Termination Process

- **Presentations at Community Meetings**
 - Region I Inspectors Provide Frequent Presentations
 - Available to Answer Public Questions
- **CY – NRC Staff Meetings Open to Public**
 - Selected Meetings Held in Connecticut
 - Telephone Link Available for Region and Headquarter Meetings
- **Staff Available to Public Via Telephone**

4

NRC License Termination Is Only The First Step...

- **Connecticut Department of Environmental Protection**
 - 19 mrem/yr Total Effective Dose Equivalent
 - Remediation Standard Regulations for Groundwater and Soil
- **Environmental Protection Agency**
 - EPA – NRC Memorandum of Understanding
 - RCRA Corrective Action Program