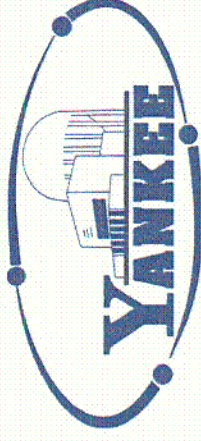


# Yankee Rowe Connecticut Yankee

## Management Meeting with the USNRC

January 10, 2002



# Agenda

Opening Remarks

Yankee Rowe Plant Status

Connecticut Yankee Plant Status

Public Participation

End State Strategic Planning

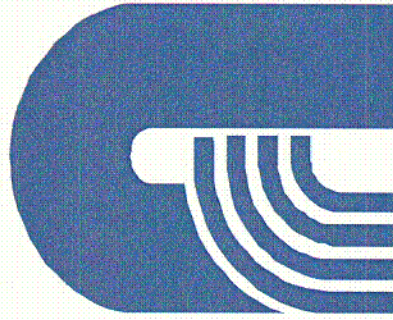
Summary/Concluding Remarks

# CY and YR Security Enhancements

- Site Access Control
- Vehicle Barriers
- Additional Staff
- Visitor Restrictions

# Yankee Rowe

## Plant Status



NAC International

# Safety Performance

- Over 350,000 Safe Work Hours Without a LTA
- Two OSHA Recordable Incidents for 2001
- Continue to Emphasize Occupational and Radiological Safety

# Dry Fuel Storage Project Status

- ISFSI and Fuel Transfer Enclosure Complete
- Transportable Storage Canisters Delivered
- Vertical Concrete Casks Constructed
- Fuel Load to Start in Spring 2002
- “Phased Approach” to Planning and Preparation
- Multiple Dry Runs Planned
- NAC’s Oversight Program

# ISFSI Pad



# VCC On Transporter





# Fuel Transfer Preparations

- NAC International Team Selected as Fuel Transfer Operations Contractor (FTOC)
  - Experienced in Fuel Transfer
  - General License Holder for NAC-MPC System
- Experienced Team of Sub-Contractors
  - Framatome
  - Duratek
  - WSI
  - Master Lee
  - DE&S

# Fuel Transfer Activities

- Construct Vertical Concrete Casks – Complete
- Repackage GTCC - Complete
- Reconstitute Upper Tier Fuel – Complete
- Inspect and Reconstitute Lower Tier Fuel
- Load and Prepare Canisters
- Operate ISFSI Throughout Fuel Transfer
- Remove Spent Fuel Racks
- Package and Ship Wastes

# Dry Fuel Storage Project Oversight

- Licensee's Role and Responsibilities
- Experienced Oversight Team
  - Safety: Radiological and Occupational
  - Fuel Handling
  - Quality Assurance
  - Engineering
- Formal Oversight Program
  - Oversight Manual and Implementing Procedures
  - DOC Oversight Lessons Learned

# Connecticut Yankee Plant Status



# Safety Performance

- 1.2 Million Safe Work Hours Since Last Lost Time Accident
- Improving Dose Performance
- Effective Dose Management Key to Meeting PSDAR Dose Estimate
- 13 Million Pounds of Waste Shipped to Date
- Continued Emphasis On Occupational and Radiological Safety

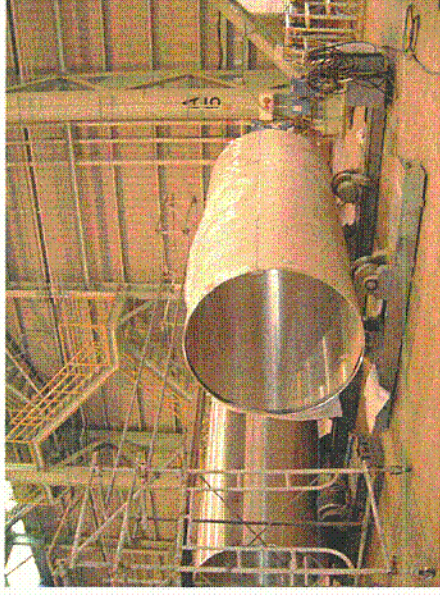
# Spent Fuel Pool Island

- Security Systems Enhanced
- Fuel Assembly Sized (FAS) Canisters Transferred to Spent Fuel Pool
- Isolation of Spent Fuel Pool Complete
- Emergency Planning Drills

# CY ISFSI

- NAC MPC/STC Design
  - VCC Liners Delivered
  - Draft C of C and SER Issued
  - Fuel Canister Delivery Beginning in Spring 2002
- ISFSI Construction On Hold Pending Building Permit
- Spent Fuel Building Modifications

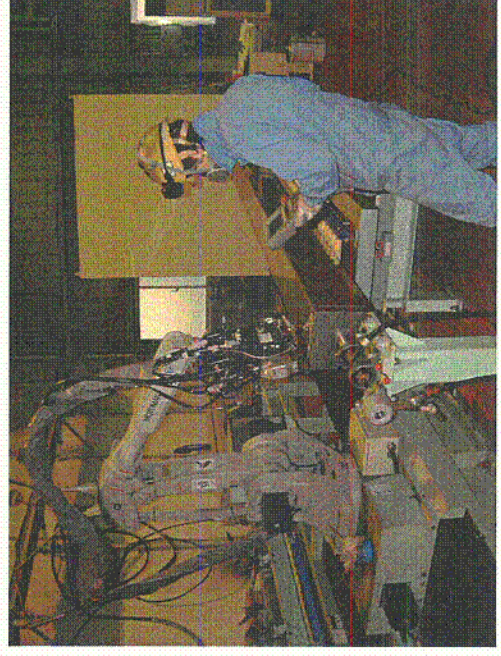
# ISFSI Hardware



Fuel Canister Shell



VCC Liners



Fuel Cell Laser Welding



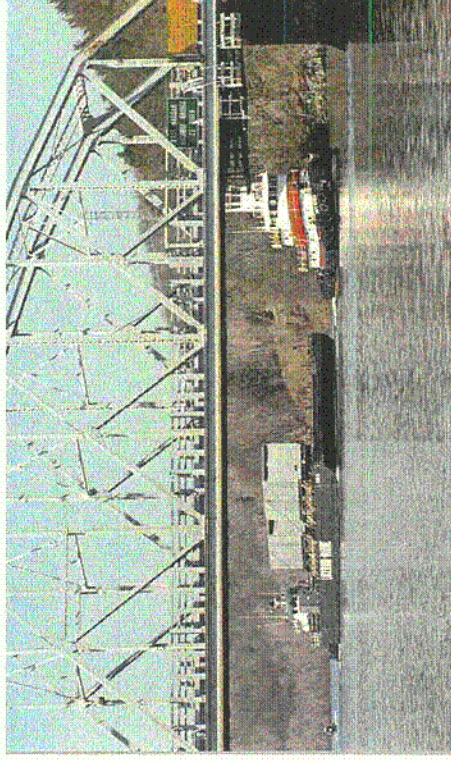
# Decommissioning Status

- Large Components Shipped
  - Reactor Vessel Head
  - Steam Generator Lower Assemblies
  - Pressurizer
- Reactor Internals Segmentation Demobilization
- Reactor Vessel Removal Planning in Process
- PAB Commodity Removal Complete
- Turbine Building Equipment Removals Ongoing

# Large Components Shipped



Pressurizer Shipment



Steam Generator Barge Shipment



Reactor Head Transport

# Primary Aux. Building and Turbine Building Commodity Removal



PAB HX Removal



Commodity Removal



Turbine Bldg. Commodity Removals

# Radiological Work Performance

- Successful Remediation of High Alpha Contaminated Areas
  - PAB Pipe Trench
  - RHR Pit
  - Tank Farm
  - Waste Disposal Building
- Successful Control & Monitoring of Airborne Radiation – No Internal Exposures >50 mrem
- Ongoing Campaign to Reduce High Radiation Areas and Radiological Sources

# Dose Reduction Improvement

- Planning Improvements
  - Enhanced Planning Process
  - Craft and Technician Involvement in Planning
- Performance Indicators Tracked and Published For Each Task
- Maintaining Dose Below Targets
- Extensive Radiological Planning Ongoing
  - Cavity Draindown
  - Reactor Vessel Removal
  - Commodity Removal

# CY Oversight

- Oversight Roles and Responsibilities
  - Maintain Licensee Responsibilities
  - Planning Involvement/Reviews
  - Evaluation of Field Activities
  - Focused Assessments
- Risk Based Approach
- Reporting Tools
  - Oversight Reports
  - Monthly Oversight Status Report
  - Quarterly Performance Report

# CY Oversight

- Oversight Self Assessments/Bechtel Feedback
- Two Site Integration with Yankee Rowe Oversight
- Bechtel Strengths
  - Occupational Safety
  - Radiation Protection
  - Corrective Action Program
  - Operations/Nuclear
- Bechtel Areas for Improvement – Schedule and Sub-Contractor Control

# License Termination Plan

- NRC Approval
  - NRC/CY RAI Resolution Meetings Ongoing
  - SER Completion Targeted for June 2002
- ASLB Hearing
  - DPUC Contentions Resolved
  - Citizens Advisory Network (CAN) Contention Resolution Ongoing
- Final Status Survey
  - Programs and Processes Developed
  - Two Class 3 Areas Surveyed



# Groundwater Characterization

- Developed Groundwater Monitoring Plan
  - Initiated Program in 1999
  - 38 Monitoring Wells
- Completed Six Rounds of Sampling
  - Radiological Issues (H3, Cs137, Sr90)
  - Non-Radiological Issues (Boron, pH)
- Groundwater Results Will Be Incorporated in Site Dose Assessment

# Public Participation

- CDAC/ CAB (Citizens Advisory Committees)
- Public Meetings on CY ISFSI/LTP
- Town Emergency Planning Meetings
- Land Donation Stakeholder Meetings
- REPAC (Repowering Advisory Committee)

# Land Conservation

- Exploring Land Conservation
- Using CLF Ventures to Determine Long-Term Solution
- Forming Land Donation Advisory Committee
- Request Proposals in Spring 2002
- Does Not Include ISFSI Site or Industrial Area Slated for Repowering

# End State Strategic Planning

- Purpose: Guide CYAPCO and YAEC through Completion of Business Affairs
- Mission:
  - Complete Decommissioning
  - Implement Safe & Efficient Dry Cask Storage
  - Transfer Fuel to Third Party
  - Complete Business Affairs

# Summary