

Yankee Rowe Connecticut Yankee

Management Meeting with the
USNRC

June 23, 2003



Agenda

- Management Changes
- Yankee Rowe Opening Remarks
- Yankee Rowe Plant Status
- Connecticut Yankee Opening Remarks
- Connecticut Yankee Plant Status
- Common Issues
- Summary/Concluding Remarks

Connecticut Yankee and Rowe Management Changes

- Common Chief Executive Officer
- Separate Senior Management at Each Site
- Common Managers for QA, Regulatory Affairs, Procurement, Human Resources and Employee Concerns
- Continued Close Coordination Between Sites including Maine Yankee

Yankee Rowe Plant Status



Excellent Safety Performance Continues

- Over 1,000,000 Safe Work Hours Without a Lost Time Accident
- Low OSHA Recordable Incident Rate
- Continued Emphasis on Occupational and Radiological Safety



Transfer to Dry Fuel Storage is Complete

- ISFSI Operational
- Fuel Loading Finished
- GTCC Canister Moved to Pad
- Spent Fuel Pool Cleanup in Progress
 - South Carolina DHEC Violation
- Multi-Tier Oversight Program was successful



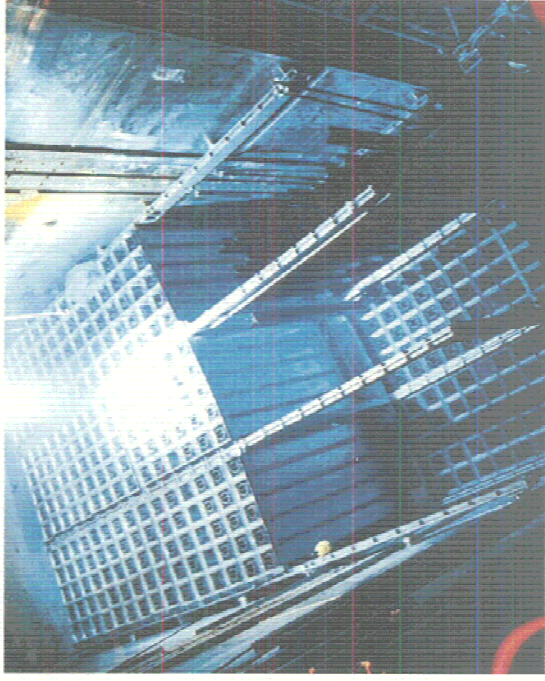
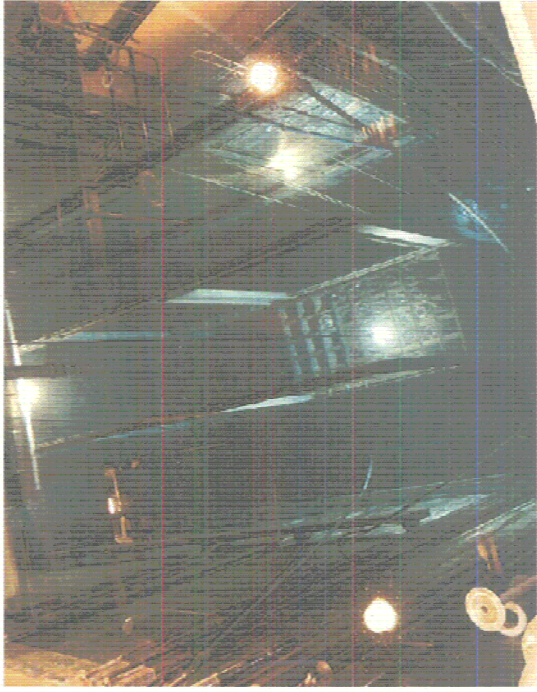
ISFSI Pad



Storage Canister Transport



Spent Fuel Removal Complete



Demolition Preparations are Underway

- DEMCO Selected to Perform Demolition
 - Well Versed in Nuclear Decommissioning
 - Positive Experience at CY
 - Mobilization Ongoing for a July 2003 Start
- Phase I to Remove all Buildings to Grade
 - Offsite Disposal of all buildings
- Phase II to Decon/Remove Subsurface Structures and Shoreline Structures and Backfill to grade



An Experienced Team Will Oversee Demolition

- Experienced Oversight Team
 - Safety: Radiological and Occupational
 - Quality Assurance
 - Engineering
 - Radwaste Handling
- Formal Oversight Program
 - Manual and Implementing Procedures
 - FTOC, CY and MY Oversight Lessons Learned

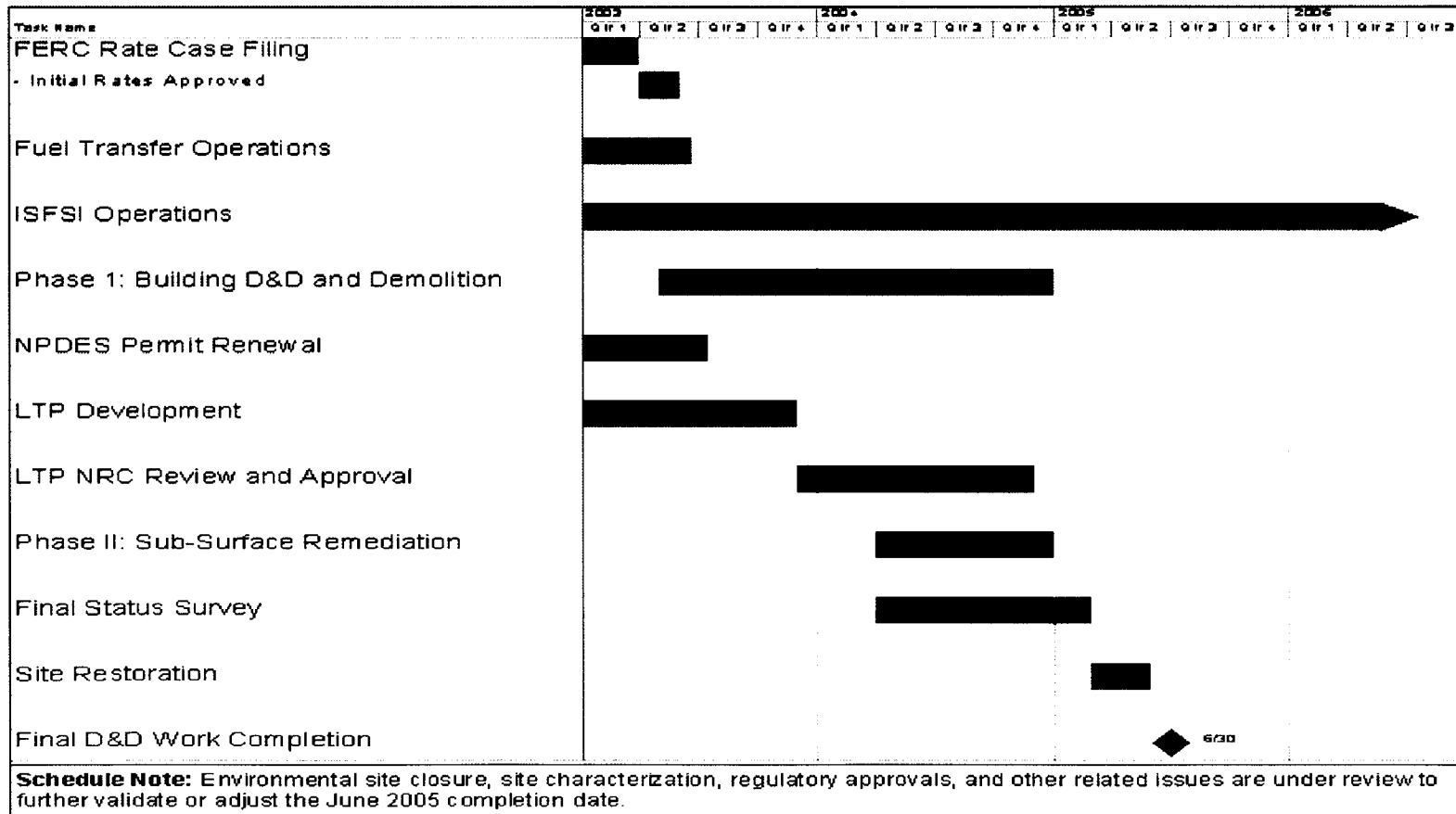


Phase I Demolition

- Service Buildings
- Warehouses
- Vapor Container/ Reactor Support Structure
- Turbine Building/ Turbine Pedestal
- Primary Auxiliary Building
- Spent Fuel and Fuel Transfer Buildings
- Radwaste Building



Integrated Schedule



License Termination Plan is Under Development

- Meeting with NRC Early and Often
 - Series of 4 Meetings Since Dec 2002
- Also meeting with Mass DEP, DPH and EPA
- Modeled after CY LTP
- Groundwater characterization ongoing
- Early Submittal and Review of Dose Calculations
- NRC Review Schedule of 12 – 15 months
- Final Status Survey to start in 2004



Connecticut Yankee Plant Status



D&D Contract Termination

- CY terminated Bechtel DOC contract on 6/13/03
 - Incomplete and untimely performance
 - Refusal to perform remaining decommissioning tasks
 - Opportunity to cure before termination is effective
- Not related to safety, security or workmanship
- Extensive communication plan implemented
- Increased oversight underway
- No impact on fuel storage and security



Contingency Planning Completed Ready for Transition

- Completed all critical contingency plans to support transition
 - Stop and Restart Work Process
 - Functional Area Transition Process
 - Programs & Procedures Ready for Issuance
 - Security Asset Control Plan
- Developing transition and execution schedules
 - Detailed transition schedule developed
 - Near-term execution schedule in process
- Planning subcontracts transition



Work Stop and Restart Plans

- Stop work at logical stopping points
 - Radiological controls & occupational safety
 - Maintain systems in a safe condition
- Restart work after transition completed
 - Trained and qualified personnel
 - Approved programs and procedures
 - Updated work instructions
 - Equipment, materials and services in place
- Work focused on RPV removal, fuel transfer, and groundwater monitoring and soil removal



Decommissioning Status

- Reactor Pressure Vessel Removal Preparations
 - Reactor Cavity Drained Complete
 - Vessel Concrete Injection Complete
 - Cavity Seal Removal Complete
 - STC Concrete Wall Removal Complete
 - RPV Nozzle Cutting In Process
 - Haul Road Upgrade Complete
 - Cask Transport to Hatch Area Complete



Upcoming RPV Work

- Complete RPV Nozzle Cutting
- Transport RPV Canister into Containment
- Install RPV Lift System
- Place RPV into Shipping Container
- Low Density Concrete Injection into Canister
- Install Top Half of Shipping Container and Weld
- Final Low Density Concrete Injection into Canister
- Remove RPV Canister from Containment



RPV Challenges

- Dose Reduction
- Heavy Load Rigging
- Canal Dredging
- Approval to Dispose Dredging Spoils via 10 CFR 20.2002



Completed Fuel Transfer Activities

- ISFSI Construction and Fuel Transfer Activities
 - Construction of Fuel Canisters Complete
 - Construction of VCCs Complete
 - ISFSI Haul Road Complete
 - ISFSI Pad and Monitoring Station Complete
 - Fuel Reconstitution Complete
 - Spent Fuel Building Modifications Complete
 - Fuel Transfer Procedures Complete



Upcoming Fuel Transfer Activities

- ISFSI Construction
 - Complete ISFSI and Security Installation
- Fuel Transfer
 - Receipt of Fuel Transfer equipment
 - Complete Fuel Transfer Crew Training
 - Conduct Dry Runs
 - Transfer 2 GTCC Canisters
 - Complete all Fuel Transfers
 - Receive NAC Amendment to Support Fuel Moves



Fuel Transfer Challenges

- Dose reduction
- Reduced drying times
- Contamination control



Decommissioning Photographs



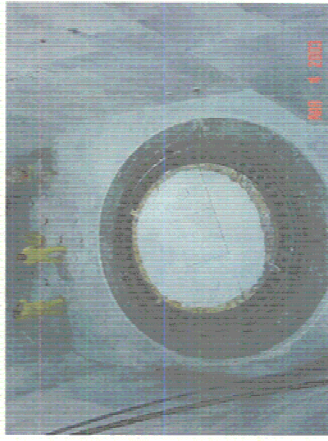
Tank Demo Tent



Tank Demo Work



STC Drained and Decommed



STC Decontaminated - Fixative Applied



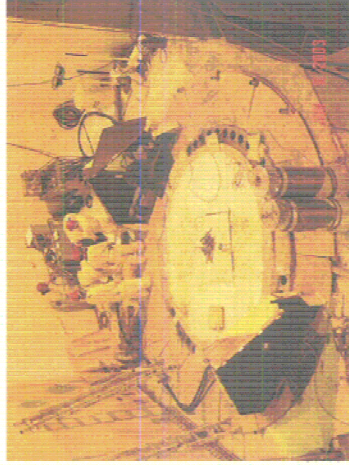
Decommissioning Photographs



Preparing for STC Concrete Wall Removal



Cavity Wall Removal Complete



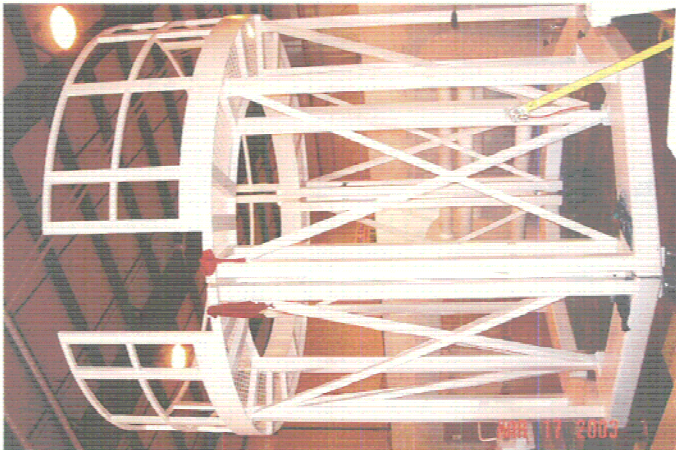
RPV Nozzle Cutting Set Up



Nozzle Cutting Enclosure



ISFSI Photographs



Fuel Camister Welding Platform



Constructed VCCs



Fuel Reconstitution



ISFSI Photographs



ISFSI Haul Route and Pad



ISFSI Security Fencing



ISFSI Pad



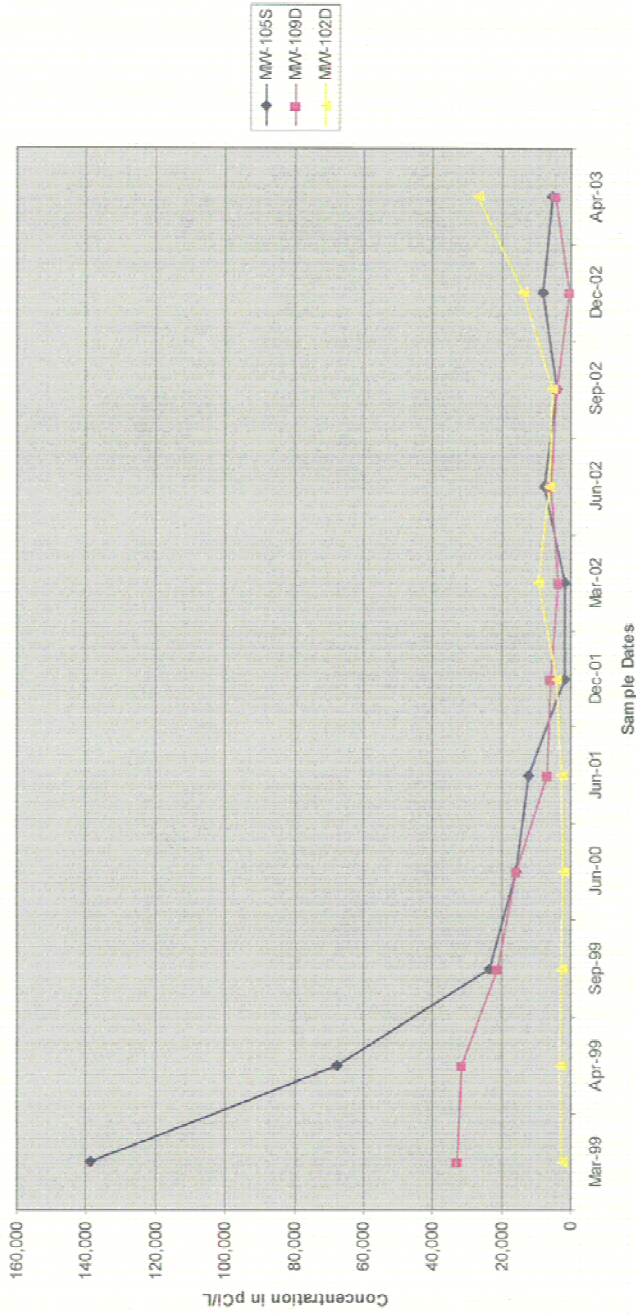
Groundwater and Soil Remediation

- Quarterly groundwater sampling ongoing
 - Fluctuating tritium concentration
 - Strontium-90 concentration steady
 - Results fluctuate with seasons and containment mat sump operation
- Accessible building core bores complete
 - Little to no contamination under buildings
- Soil Sample Results
 - Soil contaminated under tank farm



Tritium Concentration Trend

Tritium Concentration Trend
DCGL 652,000 pCi/L



Groundwater Monitoring Locations

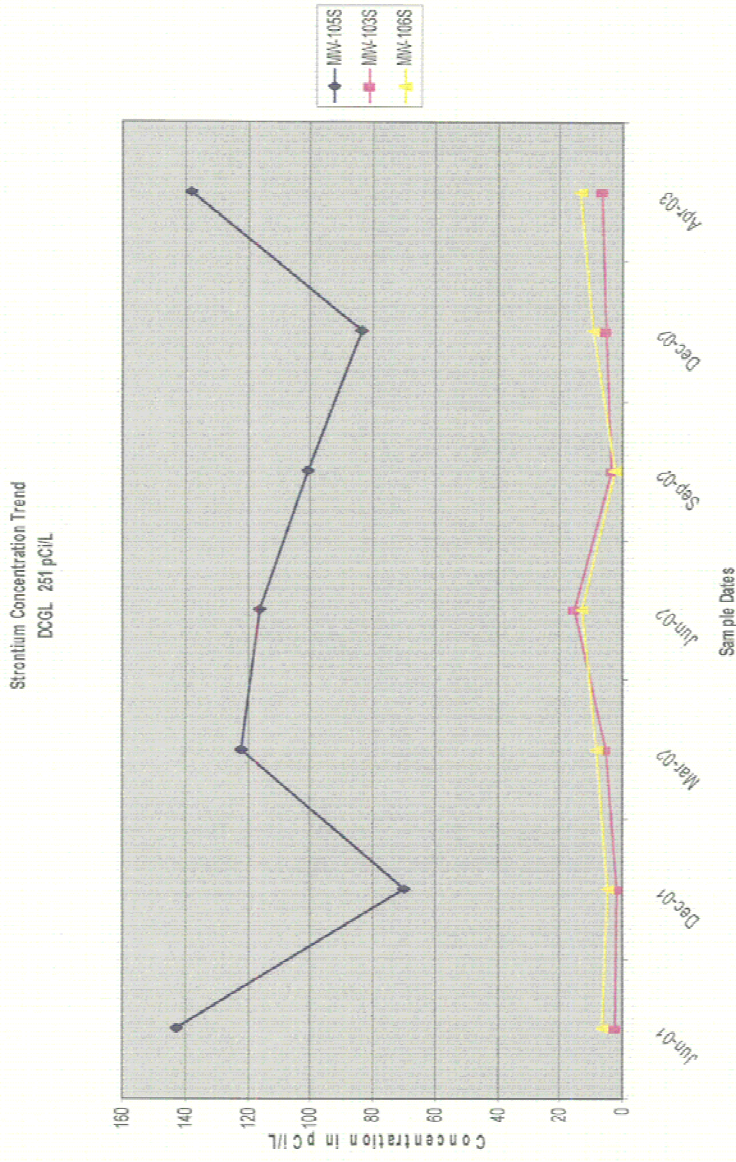


- Well Location - No Detectable Plant Related Radioactivity over Required MDC
- Well Location - Detectable Tritium over Required MDC (400 pCi/L)
- Well Location - Detectable Tritium and Strontium over Required MDC (2 pCi/L for Sr-90)
(Note: Cs-137 in well 103s is over Required MDC of 15 pCi/L)
- Well Location - New Well
- Shallow and Deep Well Location

Status as of December 2002 Sample Round. Rev 01025003



Strontium Concentration Trend



Final Status Survey Implementation

- FSS completed for outlying areas
- Performing FSS for some Class 2 areas
- Met with NRC FSS reviewer to obtain feedback on report contents and format
- Postpone ORISE confirmatory surveys to allow for transition to occur



Common Issues

Security Enhancements In Place

- Implemented orders for ISFSIs and decommissioned plants
 - Weapons training enhanced
- Awaiting CAL retraction letter for Rowe
- Planning for additional security requirements
 - Orders recently issued to operating plants
- Relief from State Police response time at Rowe

Successful Table Top Drills

- Conducted at each site in May
- Participation from State Police, FBI, State Emergency Management, State Department of Environmental Protection, NRC
- Positive feedback from all involved

Active Public Participation Continues to be Fostered

- Site closure process is transparent to and considerate of interested stakeholders
- Citizens Advisory Boards (CDAC/CAB)
- Franklin County Council of Governments
- NRC participation in CDAC/CAB meeting positively received

Summary/Concluding Remarks