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**Do not include proprietary materials.***

DATE OF MEETING

12/11/02

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)

50-271

Plant/Facility Name

Vermont Yankee Nuclear Power Station (VYNPS)

TAC Number(s) (if available)

MB6713

Reference Meeting Notice

11/25/02 02329062P  
ML 02324055

Purpose of Meeting  
(copy from meeting notice)

To discuss future submittal for a 2006  
power uprate for the VYNPS

NAME OF PERSON WHO ISSUED MEETING NOTICE

Robert Pulsifer

TITLE

Project Manager

OFFICE

NRR

DIVISION

DLPM

BRANCH

PDI-2

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Docket File/Central File  
PUBLIC

DF01



# Vermont Yankee Extended Power Uprate

NRC/Entergy Meeting

Rockville, Maryland

December 11, 2002

# Agenda

- Introductions
- Meeting Objectives
- Opening Remarks
- Project Overview
  - CPPU Licensing Topical Report Approach
  - MELLLA Plus
  - Current Status
- NRC Submittals/Reviews
  - Required Approvals/Schedule
  - Review Expectations/Interactions
- VYNPS LTR Exceptions
- Radiological Analyses
- Open Discussion

# Introductions/Meeting Objectives

## Introductions

## Meeting Objectives

- Inform NRC staff of Entergy's proposed plan, schedule, and approach for implementing an extended power uprate
- Discuss submittal approach
- Gain NRC insights from previous uprates

# Project Overview

- 20% Uprate (from 1593 to 1912 MWt)
  - 10%-15% increase in Phase 1 (2004)
  - Full 20% increase in Phase 2 (following RFO-25, Fall 2005)
  - Constant Reactor Pressure
- General Electric Tasked with NSSS Engineering and T/G Supply Scope
- Stone & Webster Tasked with BOP Engineering Scope

# Project Overview

- CPPU Licensing Topical Report Approach
  - CPPU LTR Rev 2, November 2002
  - VY Transition to GE-14 Fuel
    - VY Core Contains Only GE Fuel
    - 1<sup>st</sup> GE-14 Fuel Loaded October 2002
  - License Changes
    - Core Thermal Power
    - Credit Containment Overpressure for NPSH, if Required
    - Tech Spec Instrument Setpoints
- MELLA Plus
  - M+ LTR Rev 1, August 2002

# Project Overview

- Current Status
  - EPU Feasibility Study Complete
  - ARTS/MELLLA Project Underway
  - EPU/MELLLA Plus Project Underway
  - Alternate Source Term Project – Started
  - Benchmarking/Operating Experience

# VYNPS Submittal

- Power Uprate Safety Analysis Report
  - High Quality, Complete, Consistent
  - Benchmarked BWR's (within and outside Entergy)
  - Takes Into Account Previous EPU RAI's
  - Minimizes Licensing Basis Changes
  
- MELLLA Safety Analysis Report
  - Based on Previous ARTS/MELLLA Submittals
  
- MELLLA Plus Safety Analysis Report
  - Based on Brunswick Submittal



# NRC Submittals/Reviews

- **ARTS/MELLLA**
  - Submittal 04/03, Desire License Amendment/SER by 02/04 (Outage)
- **Alternate Source Term**
  - Submittal 07/03, Desire License Amendment/SER by 03/04 (Outage)
- **Extended Power Uprate**
  - Submittal 09/03, Desire License Amendment/SER by 07/04
- **MELLLA+**
  - Submittal 01/04, Desire License Amendment/SER 01/05

# Review Expectations/Interactions

- Work to the Schedule
- Regular Communications
- Periodic NRC-Entergy Meetings
- Expeditious RAI Resolution

# VYNPS LTR Exceptions

- None

# Radiological Analyses

- Full Alternative Source Term Implementation (separate submittal)
  - DBA Accident Analyses (CRDA, FHA, LOCA and MSLB)
- Convert to Industry Standard  $\chi/Q$ 's for Control Room Dose