

March 19, 2004

MEMORANDUM TO: Daniel M. Gillen, Chief
Decommissioning Branch
Division of Waste Management
Office of Nuclear Material Safety and Safeguards

FROM: Ted Smith, Project Manager /RA/
Section B
Division of Waste Management
Office of Nuclear Material Safety and Safeguards

SUBJECT: MEETING WITH CONNECTICUT YANKEE ATOMIC POWER
COMPANY TO UPDATE DECOMMISSIONING STATUS

A meeting was held on March 9, 2004 in Rockville, MD to review the status of decommissioning activities ongoing at the Haddam Neck Plant. The meeting report is enclosed.

NRC Docket No.: 50-213
NRC License No.: DPR-61

Enclosure: As stated

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*See previous concurrence **ML040820841** Package: **ML040850349**

OFFICE	DCB	DCB	
NAME	TSmith*	CCraig*	
DATE	03/17/04	03/19/04	

OFFICIAL RECORD COPY

MEETING REPORT

DATE: March 9, 2004

TIME: 9:30 - 12:00 noon

PLACE: One White Flint North
11555 Rockville Pike
* Rockville, Maryland 20852-2738

PURPOSE: Status of Connecticut Yankee License Termination Plan (LTP)

ATTENDEES: Refer to Attachment A

BACKGROUND:

The licensee, the Connecticut Yankee Atomic Power Company (CYAPCO), requested a meeting to present current status on decommissioning of the Haddam Neck Plant.

DISCUSSION:

CYAPCO presented information on Haddam Neck in the following areas: decommissioning approach and update, groundwater monitoring, soil characterization results and plans, future groundwater monitoring activities, the biennial LTP update and potential LTP amendments.

Decommissioning Approach & Update

CYACPO has modified their approach from leaving buildings and structures in place to demolition and bulk disposal. Under the revised approach, all structures will be removed to four feet below grade. Secondary side buildings will be free released before demolition, while buildings in the radiologically contaminated area will be decontaminated prior to release for demolition.

Tank farm soil removal is now scheduled to begin in May 2004, along with removal of secondary side buildings. Spent Fuel movement to the storage facility should be completed by April 2005, and complete site decommissioning is scheduled to be complete in December 2006.

Groundwater Monitoring

CYAPCO presented a summary of groundwater monitoring for December 2003, including well data for tritium and strontium. Through an extensive number have soil samples, they have identified areas on site where soil appears to be affecting groundwater radiologically, which includes areas under the tank farm, adjacent to the reactor containment building, adjacent to the primary auxiliary building, and east of the resin storage facility.

Soil Characterization Results and Plans

The identified soils are included in the removal effort slated to begin in May of this year. CYAPCO indicates they will remove the soils containing elevated contamination down to bedrock, backfill with clean material, and install monitoring wells.

Enclosure

Future Groundwater Monitoring Activities

CYAPCO is working on three tasks detailed in the February 2002 Phase II Hydrogeologic Investigation Work Plan: (1) review and document existing information, which should be completed this April; (2) characterize site-specific hydrogeologic conditions, to be completed this fall; and (3) develop a contaminant fate and transport model, scheduled for March 2005.

Biennial LTP Update

CYAPCO discussed changes anticipated in the biennially required update to the LTP, which will include changes in chapters 1-3, 5, 7 and 8 to incorporate the revised decommissioning approach previously discussed, including consolidation of survey areas; updates to the predicted waste volumes; modifications to final status survey plans to reflect the revised decommissioning approach; an update of the decommissioning cost estimate and an update of the environmental report.

Potential LTP Amendments

CYAPCO indicated they have two potential license amendments to be submitted to NRC, based on changes to the derived concentration guideline limits (DCGL) for concrete. The proposed amendments are anticipated in late July and October 2004.

ACTIONS:

None.

ATTACHMENTS:

- A. Attendees list, as stated above
- B. CYAPCO slides on meeting topics
- C. CYAPCO map of Final Status Survey Scope
- D. CYAPCO map of Demolition Sequence