

# YANKEE ATOMIC ELECTRIC COMPANY

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BYR 2004-006

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U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Reference: (a) License No. DPR-3 (Docket No. 50-29)

Subject: Historical Site Assessment for YNPS

This letter provides the Historical Site Assessment (HSA) in support of the LTP<sup>1</sup> for the Yankee Nuclear Power Station (YNPS). The HSA identifies and describes the YNPS site, surrounding environs and pertinent information describing adjacent property. The HSA documents the construction, operational and decommissioning history along with current usage of the YNPS site. The HSA identifies radiological contaminants potentially present at the YNPS site resulting from site operations and the media likely to contain these contaminants. The HSA documents the historical information used to define survey area classifications based on history as described in NUREG-1575 guidance as Class 1, Class 2 or Class 3. The HSA also describes impacted areas and non-impacted areas and the known distribution of radiological contaminants within these areas. The HSA supplements the information provided in the License Termination Plan (LTP) for the YNPS site.

The HSA documents those events and circumstances occurring during the entire operating history of the facility that contributed to the radiological contamination of the site environs above background radiation levels. Information relevant to changes in the radiological status of the site following publication of the HSA will be considered a part of the continuing characterization evaluations. The continuing evaluations include ongoing decommissioning activities, the expansion of the site groundwater investigation and evaluations of subsurface contamination. The results of the ongoing investigations into the extent of subsurface contamination will drive continuing remediation and/or mitigation efforts as appropriate.

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<sup>1</sup> YAEC Letter to USNRC, "Submittal of YNPS License Termination Plan and Proposed Revision to Possession Only License," dated November 24, 2003, BYR 2003-080.

U.S. Nuclear Regulatory Commission  
BYR 2004-006, Page 2/2

If you have any questions or require additional information, please contact Mr. Gerry van Noordennen, Regulatory Affairs Manager @ 413-424-2363.

Sincerely,

YANKEE ATOMIC ELECTRIC COMPANY

  
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Brian C. Wood  
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