

June 22, 2005

Mr. Ted C. Feigenbaum, President and CEO  
Maine Yankee Atomic Power Company  
321 Old Ferry Road  
Wiscasset, Maine 04578-4922

SUBJECT: APPROVAL OF MAINE YANKEE FINAL STATUS SURVEY REPORT  
SUPPLEMENTS 6 AND 7

Dear Mr. Feigenbaum:

Maine Yankee Atomic Power Company (Maine Yankee) submitted Final Status Survey (FSS) Report Supplement 6 dated December 22, 2004, with amendments addressing a U.S. Nuclear Regulatory Commission (NRC) Request For Additional Information (RAI), submitted on May 5, 2005, and June 16, 2005, for NRC review and approval. FSS Report Supplement 6 includes the following 18 survey units:

FA-2600	LSA Building Slab Footprint
FB-1700	Staff Building Footprint
FB-2400	Staff Building Tunnel
FR-0400	Forebay (9 survey units)
FR-0111	Soil Remediation Areas (5 survey units)
FR-2000	Diffuser

Maine Yankee submitted FSS Report Supplement 7 on January 20, 2005, with an amendment addressing an NRC RAI, submitted on May 16, 2005, for NRC review and approval. FSS Report Supplement 7 includes the following 6 survey units:

FR-0111	Soil Remediation Areas (6 survey units)
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The staff has completed its review of Maine Yankee's FSS Reports Supplements 6 and 7, as amended, and finds them to be acceptable. The staff believes that Maine Yankee has adequately responded to all staff questions regarding Supplements 6 and 7.

Although the staff believes that the use of the Canberra In-situ Object Counting System (ISOCS) is acceptable for surveying the Forebay and soils, the use of the ISOCS may not be acceptable for FSS in other areas. Specifically, the ISOCS, which detects gamma activity, may not be able to detect activity at the outer perimeter of the field of view, averages activity over the field of view, and its use may be inconsistent with the survey requirements of Section 6.7.2 of the License Termination Plan (LTP) which requires beta surveys for contaminated concrete. The staff notes that LTP Section 6.7.2 requires that, "The DCGL for contaminated concrete is expressed as dpm/100 cm<sup>2</sup> detectable gross beta. This form was required because the final survey will be performed using gross beta measurements."

In accordance with Part 10 of the Code of Federal Regulations Section 2.390 of the NRC's "Rules of General Applicability," a copy of this letter will be available electronically in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions regarding this letter please contact me at 301-415-6607.

Sincerely,

**/RA/**

John T. Buckley, Project Manager  
Decommissioning Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 50-309

License No.: DPR-36

cc: Maine Yankee distribution list

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Sincerely,

**/RA/**

John T. Buckley, Project Manager  
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DATE	6/15/05	6/16/05	6/20/05	6/21/05

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