

UNITED STATES NUCLEAR REGULATORY COMMISSION
ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT
REGARDING TERMINATION OF OPERATING LICENSE NO. CX-10
BABCOCK AND WILCOX CRITICAL EXPERIMENT FACILITY
DOCKET NO. 50-13

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an Order Terminating Facility Operating License No. CX-10 for the Babcock and Wilcox Critical Experiment Facility located in Lynchburgh, Campbell County, Virginia, in accordance with the application dated August 7, 1984, as supplemented.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: By application dated August 7, 1984 as supplemented, Babcock & Wilcox company (B&W) requested authorization to decontaminate and dismantle its critical experiment facility, to dispose of its components parts in accordance with the proposed dismantling plan, and to terminate Facility Operating License No. CX-10. Following the reactor shutdown the fuel was removed from the core tank and shipped to an authorized Department of Energy facility.

Opportunity for hearing was afforded by the "Notice of Proposed Issuance of Orders Authorizing Disposition of Component Parts and Terminating Facility License" published in the FEDERAL REGISTER on September 18, 1984 (49 FR 36579).

Following the Order Authorizing Dismantling of Facility and Disposition of Component Parts, dated April 4, 1985, B&W completed the dismantlement and submitted a final survey report in June 1986. Region II completed a final radiation survey in September 1987. The staff agrees with the analyses and the conclusions in the B&W final survey report, as supplemented.

Need for Proposed Action: In order to release the facility for unrestricted access and use, Operating License No. CX-10 must be terminated.

Environmental Impact of the Proposed Action: The B&W Final Survey Report, as supplemented, indicates that the residual contamination is less than the requirements of Regulatory Guide 1.86, Table I, and that maximum exposure rates are less than 5uR/hr above background at one meter from the surface of interest. These measurements have been verified by the NRC and allow unrestricted use of the facility.

Alternative Use of Resources: Since the reactor and component parts have been dismantled and disposed of in accordance with NRC regulations and guidelines, there is no alternative to termination of Operating License No. CX-10.

Agencies and Persons Consulted: The Region II final survey was conducted by the staff of the Oak Ridge Associated Universities under contract to the Nuclear Regulatory Commission.

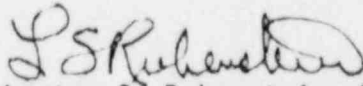
FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed action. Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this proposed action, see the application for dismantling, decontamination and license termination dated August 7, 1984, as supplemented. These documents are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. 20555.

Dated at Rockville, Maryland this 18th day of February 1988.

FOR THE NUCLEAR REGULATION COMMISSION


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