

UNITED STATES NUCLEAR REGULATORY COMMISSION
ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT
REGARDING TERMINATION OF FACILITY OPERATING LICENSE NO. R-127

MEMPHIS STATE UNIVERSITY

AGN-201 REACTOR FACILITY

DOCKET NO. 50-538

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an Order terminating Facility Operating License No. R-127 for the Memphis State University AGN-201 Reactor Facility located in Memphis, Tennessee in accordance with the application dated November 10, 1986, as supplemented.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: By application dated November 10, 1986, as supplemented, Memphis State University requested authorization to decontaminate and dismantle its AGN-201 Reactor Facility, to dispose of its component parts in accordance with the proposed dismantling plan, and to terminate Facility Operating License No. R-127. Following an "Order Authorizing Dismantling of Facility and Disposition of Component Parts," dated January 26, 1988, Memphis State University completed the dismantlement and submitted a final survey report on March 24, 1988, as supplemented. Region II conducted a final survey during June and August 1988. This survey is documented in Region II Inspection Report No. 50-538/88-01. The staff agrees with the analysis and the conclusion in the Memphis State University final survey report, as amended.

Need for Proposed Action: In order to release the facility for unrestricted access and use, Facility Operating License No. R-127 must be terminated.

Environmental Impact of License Termination: The Memphis State University indicates that the residual contamination and dose exposures are less than the requirements of Regulatory Guide 1.86, Table I and the maximum exposure of 5 microR/hr above background at one meter. These measurements have been verified by the NRC. The NRC finds that since these criteria have been met there is no significant impact on the environment and the facility can be released for unrestricted use.

Alternatives to the Proposed Action: 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 Facility Operating License No. R-127.

Agencies and Persons Consulted: No outside agencies or persons were consulted in relation to this action.

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, the Commission has concluded that the issuance of the Order 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 termination of Facility Operating License No. R-127, dated November 10, 1985, as supplemented. These documents are available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, D.C. 20535.

Dated at Rockville, Maryland this 12th day of October 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

Charles L. Miller

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