



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

MEMORANDUM TO: Timothy C. Johnson, Section Leader  
Materials Decommissioning Section, LLDP/NMSS

FROM: William H. Radcliffe, Jr.  
Environmental Engineer (Intern), NMSS *WR*

SUBJECT: OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION  
SURVEY OF TERMINATED NON-POWER REACTOR LICENSES,  
BATTELLE MEMORIAL INSTITUTE LICENSE CX-9  
(DOCKET NO. 50-14)

The "Updated Report on Site Decommissioning Management Plan" (SDMP), SECY-91-096, required the review of docket files associated with terminated Non-Power Reactor (NPR) licenses to ensure that no contamination in excess of the current U.S. Nuclear regulatory Commission (NRC) unrestricted release guidelines exists at the previously licensed facilities. In a report dated June 18, 1991, Oak Ridge Institute for Science and Education (ORISE, formerly ORAU) forwarded the results of their review of 60 terminated NPR licenses. Their review indicated that the docket files associated with 30 of the licenses did not contain sufficient information to support unrestricted release. Further review of these licenses by the Office of Nuclear Reactor Regulation (NRR) at the NRC, documented in a report dated July 31, 1992, halved this number.

In the absence of complete information, the following conditions, taken from the July 31, 1992, NRR review, would be sufficient to conclude that the operations associated with a terminated license would pose no hazard for future site occupants:

- 1) The former site has been completely demolished. Either a field, parking lot, or completely new structure currently exists at the old NPR site;
- 2) The building housing the reactor still exists, but the building has been remodeled to the extent that there is nothing left of the reactor facility to survey;
- 3) This site is currently used for some other purpose involving radioactive material; or
- 4) The reactor authorized was either an AGN-201, AGN-211, or L-77 type research reactor.

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T.C. Johnson

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If the above conditions are not met and complete information concerning decommissioning and decontamination cannot be found, then both reviews generally called for confirmatory surveys to fill in any information gaps.

Building JN-2 at the Battelle Memorial Institute used to house the reactor associated with terminated license CX-9 (Docket No. 50-14). According to the attached memorandum from the Division of Fuel Cycle Safety and Safeguards dated September 29, 1994, NRC licensed activities are still being conducted in Building JN-2, and any past contamination will be taken care of during future license decommissioning efforts.

Based on the fact that the site is currently used for other purposes involving radioactive material, the question of whether residual contamination currently exists from past licensed activities is irrelevant. Future decommissioning of the currently licensed operation should be sufficient to reduce contamination from past activities below NRC guidelines. This information should be placed in the docket file associated with the terminated license to avert any future duplication of effort.

Attachment: As stated

cc w/att: Seymour H. Weiss, NRR

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