

August 29, 2007

Dr. Mani Soma, Acting Dean
College of Engineering
University of Washington
Box 352180
Seattle, WA 98195-2180

SUBJECT: TERMINATION OF FACILITY OPERATING LICENSE NO. R-73 FOR THE
 UNIVERSITY OF WASHINGTON RESEARCH REACTOR
 (TAC NO. J00268)

Dear Dr. Soma:

The U.S. Nuclear Regulatory Commission (NRC) has reviewed University of Washington's (UWA's) request dated December 13, 2006, to terminate Facility Operating License No. R-73 for the UWA Research Reactor (UWAR). Pursuant to 10 CFR 50.82(b)(6), the NRC staff has concluded that the terminal radiation survey and associated documentation demonstrate that the decommissioning is completed and the facility and site meet the criteria for license termination in accordance with the May 1, 1995, NRC-approved UWAR decommissioning plan.

On May 21, 2007, NRC issued inspection report 50-139/2006-204 for the UWAR. The inspector interviewed licensee staff, observed work in progress, reviewed selected procedures and records, and survey activities. The inspection included the in-process inspection of final status survey activities and side-by-side field measurements. The inspection also included a review of the UWAR Final Status Survey Report (FSSR) dated December 13, 2006, as supplemented on February 26 and March 12, 2007. The FSSR documented the level of radioactivity remaining at the facility. As a result of the inspection and FSSR review, the inspector determined that the decommissioning activities, including the final status survey, were conducted in accordance with the UWAR decommissioning plan. The NRC staff also determined that the facility met the criteria in 10 CFR 20.1402 for unrestricted use.

Therefore, on the basis of decommissioning activities carried out by UWA, the NRC's review of the FSSR, the results of NRC inspections conducted at the UWA, and the results of NRC confirmatory surveys, the NRC concludes that decommissioning is completed and the facility and site are suitable to be released for unrestricted use. Facility Operating License No. R-73 is hereby terminated.

In connection with the license termination, we are enclosing two copies of Amendment No. 12 to Indemnity Agreement No. E-29. Please sign and return one copy to this office.

Also enclosed is a copy of the Notice of License Termination, which is being sent to the Office of the Federal Register for publication.

In accordance with 10 CFR 2.390 of the NRC's "Rules of General Applicability," a copy of this letter and the referenced correspondence will be available electronically in the NRC Public Document Room or from the Publically 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 concerning this matter, please contact Chad Glenn at (301) 415-6722.

Sincerely,

/RA/

Keith I. McConnell, Deputy Director
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Programs

Docket No.: 50-139

Enclosures:

1. Amendment No. 12 to
Indemnity Agreement No. E-29
2. *Federal Register* Notice

cc: see next page

cc:

University of Washington

Dr. M. Carette, Assistant to the Dean
College of Engineering
University of Washington
Box 352180
Seattle, WA 98195-2180

Stanley Addison, Radiation Safety Officer
Environmental Health and Safety
University of Washington
Hall Health Center
Box 354400
Seattle, WA 98195-4400

Marty Howlett, Project Manager
Capital Projects Office
University of Washington
University Facilities Annex 2
Box 352205
Seattle, WA 98195-2205

Test, Research, and Training Reactor
Newsletter
University of Florida
202 Nuclear Sciences Center
Gainesville, FL 32611

M.Soma

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OFC	FSME/DWMEP	FSME/DWMEP	FSME/DWMEP	OGC	FSME/DWMEP
NAME	C.Glenn	T.Mixon	R.Tadesse	J.Hull	K.McConnell
DATE	8/2/07	8/2/07	8/7/07	8/8/07	8/29/07

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Docket Nos. 50-139

AMENDMENT TO INDEMNITY AGREEMENT NO. E-29
AMENDMENT NO. 12

Effective _____, Indemnity Agreement No. E-29, between the University of Washington, and the Atomic Energy Commission, dated December 6, 1962, as amended, is hereby terminated.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Robert D. Carlson, Chief
Financial, Policy, and Rulemaking Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

_____, 2007
Accepted

By: University of Washington

Enclosure 1

Docket Nos. 50-139

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AMENDMENT NO. 12

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FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Robert D. Carlson, Chief
Financial, Policy, and Rulemaking Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

_____, 2007
Accepted

By: University of Washington

UNITED STATES NUCLEAR REGULATORY COMMISSION
NOTICE OF LICENSE TERMINATION
FOR
UNIVERSITY OF WASHINGTON RESEARCH REACTOR (UWAR)
DOCKET NO. 50-139

The U.S. Nuclear Regulatory Commission (NRC) is announcing the termination of facility Operating License No. R-73 for the University of Washington Research Reactor (UWAR).

The NRC has terminated the license of the decommissioned UWAR, at the University of Washington (UWA) in Seattle, Washington, and has released the site for unrestricted use. The UWAR was a Argonaut-type training and research reactor with an initial power output of 10 kilowatts, which later received authority to increase power output to 100 kilowatts. The reactor was permanently shut down on June 30, 1988. By application dated August 2, 1994, the licensee requested authorization to dismantle the UWAR and to dispose of the component parts, in accordance with the decommissioning plan submitted as part of the application. Opportunity for a hearing was afforded by "Notice of Proposed Issuance of Orders Authorizing Disposition of Component Parts and Terminating Facility License" published in the Federal Register on September 2, 1994 (59 FR 45738). No request for a hearing or petition for leave to intervene was filed following notice of the proposed action. The NRC reviewed the application with respect to the Commission's rules and regulations and found that the dismantling and disposal of component parts as stated in the licensee's decommissioning plan are consistent with the regulations in 10 CFR Chapter I and are not inimical to the common defense and

security or to the health and safety of the public. On May 1, 1995, the Commission issued the "Order Authorizing Dismantling of Facility and Disposition of Component Parts."

The licensee conducted remediation activities and completed final status surveys in October 2006. The licensee's request for termination of the license was supported by the submittal of a Final Status Survey Report (FSSR). The NRC completed its review of the UWAR FSSR submitted to NRC by letter dated December 13, 2006, as supplemented February 26 and March 12, 2007. The FSSR documented the level of residual radioactivity remaining at the facility and stated that compliance with the criteria in the NRC-approved decommissioning plan for the reactor has been demonstrated. The NRC staff verified that the criteria in the approved decommissioning plan had been met and determined that the facility and site met the criteria in 10 CFR 20.1402 for unrestricted use.

Pursuant to 10 CFR 50.82(b)(6), the NRC staff has concluded that the reactor has been decommissioned in accordance with the approved decommissioning plan and that the terminal radiation survey and associated documentation demonstrate that the facility and site may be released in accordance with the criteria in the NRC-approved decommissioning plan. Further, on the basis of the decommissioning activities carried out by UWA, the NRC's review of the licensee's FSSR, the results of NRC inspections conducted at the UWAR, and the results of NRC confirmatory surveys, the NRC has concluded that the decommissioning process is complete and the facility and site may be released for unrestricted use. Therefore Facility Operating License No. R-73 is terminated.

For further details with respect to the proposed action, see the licensee's letter dated December 13, 2006, as supplemented February 26 and March 12, 2007; and NRC Inspection Report No. 50-139/2006-204, dated May 21, 2007. The above referenced documents may be examined, and/or copied for a fee, at the NRC's Public Document Room (PDR) at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland. Publicly available records will

be accessible electronically from the Agencywide Documents Access and Management System (ADAMS) Public Electronic Reading Room on the Internet at the NRC Web site, <http://www.nrc.gov/reading-rm/adams.html>. Persons who do not have access to ADAMS or who have problems in accessing the documents in ADAMS should call the NRC PDR reference staff at 1-800-397-4209 or 301-415-4737 or e-mail pdr@nrc.gov.

Dated at Rockville, Maryland, this _29th_ day of August 2007.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Keith I. McConnell, Deputy Director
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
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