

## NUCLEAR REGULATORY COMMISSION

[Docket No. 030-11686; NRC-2009-0063]

### Notice of Availability of Environmental Assessment and Finding of No Significant Impact for License Amendment to Byproduct Materials License No. 45-16818-01 for Termination of the License and Unrestricted Release of Mary Washington College's Facility in Fredericksburg, VA

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Issuance of Environmental Assessment and Finding of No Significant Impact for License Amendment.

#### FOR FURTHER INFORMATION CONTACT:

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#### SUPPLEMENTARY INFORMATION:

##### I. Introduction

The U.S. Nuclear Regulatory Commission (NRC) is considering the issuance of a license amendment to Byproduct Materials License No. 45-16818-01. This license is held by Mary Washington College, Department of Biological Sciences (the Licensee), for its Jepson Hall, Room 304, located on the Campus of Mary Washington College near the corner of College Avenue and Jefferson Davis Highway in Fredericksburg, Virginia (the Facility). Issuance of the amendment would authorize release of the Facility for unrestricted use and termination of the NRC license. The Licensee requested this action in a letter dated December 11, 2008, and a January 5, 2009 response to an information request. The NRC has prepared an Environmental Assessment (EA) in support of this proposed action in accordance with the requirements of Title 10, *Code of Federal Regulations* (CFR), Part 51 (10 CFR Part 51). Based on the EA, the NRC has concluded that a Finding of No Significant Impact (FONSI) is appropriate with respect to the proposed action. The amendment will be issued to the Licensee following the publication of this FONSI and EA in the *Federal Register*.

##### II. Environmental Assessment

###### *Identification of Proposed Action*

The proposed action would approve the Licensee's December 11, 2008,

license amendment request, resulting in release of the Facility for unrestricted use and termination of its NRC materials license. License No. 45-16818-01 was issued on May 20, 1976, pursuant to 10 CFR Part 30, and has been amended periodically since that time. This license authorized the Licensee to use unsealed byproduct material for purposes of conducting research and development activities on laboratory bench tops and in hoods.

The Facility is situated within a 75,000 square foot building and consists of classrooms, office space, and laboratories. The Facility is located on a university campus which is surrounded by a residential area. Within the Facility, use of licensed materials was confined to a 150 square foot room.

On December 1, 2005, the Licensee ceased licensed activities and initiated a survey and decontamination of the Facility. Based on the Licensee's historical knowledge of the site and the conditions of the Facility, the Licensee determined that only routine decontamination activities, in accordance with their NRC-approved, operating radiation safety procedures, were required. The Licensee was not required to submit a decommissioning plan to the NRC because worker cleanup activities and procedures are consistent with those approved for routine operations. The Licensee conducted surveys of the Facility and provided information to the NRC to demonstrate that it meets the criteria in Subpart E of 10 CFR Part 20 for unrestricted release and for license termination.

###### *Need for the Proposed Action*

The Licensee has ceased conducting licensed activities at the Facility, and seeks the unrestricted use of its Facility and the termination of its NRC materials license. Termination of its license would end the Licensee's obligation to pay annual license fees to the NRC.

###### *Environmental Impacts of the Proposed Action*

The historical review of licensed activities conducted at the Facility shows that such activities involved use of hydrogen-3 which has a half-life greater than 120 days. Prior to performing the final status survey, the Licensee conducted decontamination activities, as necessary, in the areas of the Facility affected by this radionuclide.

The Licensee conducted a final status survey on December 11, 2008, and in January 2009. This survey covered Room 304 of Jepson Hall. The final status survey report was attached to the Licensee's amendment request dated

December 11, 2008 and the response letter dated January 5, 2009. The Licensee elected to demonstrate compliance with the radiological criteria for unrestricted release as specified in 10 CFR 20.1402 by using the screening approach described in NUREG-1757, "Consolidated NMSS Decommissioning Guidance," Volume 2. The Licensee used the radionuclide-specific derived concentration guideline levels (DCGLs), developed there by the NRC, which comply with the dose criterion in 10 CFR 20.1402. These DCGLs define the maximum amount of residual radioactivity on building surfaces, equipment, and materials that will satisfy the NRC requirements in Subpart E of 10 CFR Part 20 for unrestricted release. The Licensee's final status survey results were below these DCGLs and are in compliance with the As Low As Reasonably Achievable (ALARA) requirement of 10 CFR 20.1402. The NRC thus finds that the Licensee's final status survey results are acceptable.

Based on its review, the staff has determined that the affected environment and any environmental impacts associated with the proposed action are bounded by the impacts evaluated by the "Generic Environmental Impact Statement in Support of Rulemaking on Radiological Criteria for License Termination of NRC-Licensed Nuclear Facilities" (NUREG-1496) Volumes 1-3 (ML042310492, ML042320379, and ML042330385). The Licensee also considered and appropriately accounted for the dose contribution from previous site releases. The staff finds there were no significant environmental impacts from the use of radioactive material at the Facility. The NRC staff reviewed the docket file records and the final status survey report to identify any non-radiological hazards that may have impacted the environment surrounding the Facility. No such hazards or impacts to the environment were identified. The NRC has identified no other radiological or non-radiological activities in the area that could result in cumulative environmental impacts.

The NRC staff finds that the proposed release of the Facility for unrestricted use and the termination of the NRC materials license is in compliance with 10 CFR 20.1402 including the impact of residual radioactivity at previously-released site locations of use. Based on its review, the staff considered the impact of the residual radioactivity at the Facility and concluded that the proposed action will not have a significant effect on the quality of the human environment.

### *Environmental Impacts of the Alternatives to the Proposed Action*

Due to the largely administrative nature of the proposed action, its environmental impacts are small. Therefore, the only alternative the staff considered is the no-action alternative, under which the staff would leave things as they are by simply denying the amendment request. This no-action alternative is not feasible because it conflicts with 10 CFR 30.36(d), requiring that decommissioning of byproduct material facilities be completed and approved by the NRC after licensed activities cease. The NRC's analysis of the Licensee's final status survey data confirmed that the Facility meets the requirements of 10 CFR 20.1402 for unrestricted release and for license termination. Additionally, denying the amendment request would result in no change in current environmental impacts. The environmental impacts of the proposed action and the no-action alternative are therefore similar, and the no-action alternative is accordingly not further considered.

### *Conclusion*

The NRC staff has concluded that the proposed action is consistent with the NRC's unrestricted release criteria specified in 10 CFR 20.1402. Because the proposed action will not significantly impact the quality of the human environment, the NRC staff concludes that the proposed action is the preferred alternative.

### *Agencies and Persons Consulted*

NRC provided a draft of this Environmental Assessment to the Commonwealth of Virginia Department of Health for review on January 13, 2009. On January 15, 2009, the Commonwealth of Virginia Department of Health responded by electronic mail. The Commonwealth agreed with the conclusions of the EA and otherwise had no comments.

The NRC staff has determined that the proposed action is of a procedural nature, and will not affect listed species or critical habitat. Therefore, no further consultation is required under Section 7 of the Endangered Species Act. The NRC staff has also determined that the proposed action is not the type of activity that has the potential to cause effects on historic properties. Therefore, no further consultation is required under Section 106 of the National Historic Preservation Act.

### **III. Finding of No Significant Impact**

The NRC staff has prepared this EA in support of the proposed action. On the

basis of this EA, the NRC finds that there are no significant environmental impacts from the proposed action, and that preparation of an environmental impact statement is not warranted. Accordingly, the NRC has determined that a Finding of No Significant Impact is appropriate.

### **IV. Further Information**

Documents related to this action, including the application for license amendment and supporting documentation, are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. From this site, you can access the NRC's Agencywide Documents Access and Management System (ADAMS), which provides text and image files of NRC's public documents. The documents related to this action are listed below, along with their ADAMS accession numbers.

1. NUREG-1757, "Consolidated NMS Decommisioning Guidance;"
2. Title 10 *Code of Federal Regulations*, Part 20, Subpart E, "Radiological Criteria for License Termination;"
3. Title 10, *Code of Federal Regulations*, Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions;"
4. NUREG-1496, "Generic Environmental Impact Statement in Support of Rulemaking on Radiological Criteria for License Termination of NRC-Licensed Nuclear Facilities;"
5. Mary Washington College Termination Request Letter dated December 11, 2008 (ML083640157); and
6. Mary Washington College Additional Information Letter dated January 5, 2009 (ML090090112).

If you do not have access to ADAMS, or if there are problems in accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov). These documents may also be viewed electronically on the public computers located at the NRC's PDR, O 1 F21, One White Flint North, 11555 Rockville Pike, Rockville, MD 20852. The PDR reproduction contractor will copy documents for a fee.

Dated at Region I, 475 Allendale Road, King of Prussia this 11th day of February 2009.

For the Nuclear Regulatory Commission.  
**James P. Dwyer**,  
*Chief, Commercial and R&D Branch, Division of Nuclear Materials Safety, Region I.*  
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### **NUCLEAR REGULATORY COMMISSION**

[IA-08-022; NRC-2009-0067]

### **In the Matter of Dhiraj Soni; Order Prohibiting Involvement in NRC-Licensed Activities**

#### **I**

Dhiraj Soni is the former Vice President of Eastern Testing and Inspection, Inc. (ETI) (Licensee) in Thorofare, New Jersey. ETI holds License No. 29-09814-01 issued by the Nuclear Regulatory Commission (NRC or Commission) pursuant to 10 CFR part 30 in 1964. The license authorizes possession and use of sealed radioactive sources for use in radiographic exposure devices and in portable gauge devices, and possession and use of radioactive material for shielding for radiographic and source changer equipment in accordance with the conditions specified therein.

#### **II**

An investigation of licensed activities was conducted by the NRC Office of Investigations (OI) at the Licensee's facility in Thorofare, New Jersey. The OI investigation was completed on October 26, 2007. The investigation was conducted, in part, to determine whether ETI deliberately provided the NRC inaccurate information related to compliance with an NRC Order issued to ETI (ETI Order) and contrary to 10 CFR 30.9, "Completeness and accuracy of information." Based on information from the investigation, inspection, and after review of a written response from Dhiraj Soni, the NRC concluded that Dhiraj Soni was in violation of 10 CFR 30.10, "Deliberate misconduct," by deliberately causing ETI to be in violation of 10 CFR 30.9 when he provided inaccurate information to the company that was, in turn, provided to the NRC on behalf of ETI to demonstrate actions toward compliance with the ETI Order. The NRC also concluded that Dhiraj Soni was in violation of 10 CFR 30.10 by deliberately providing inaccurate information in verbal statements made to an NRC inspector on September 20, 2006.

During the investigation, Dhiraj Soni gave inconsistent statements in his sworn testimony regarding his actions at issue. Further, the sworn testimony of law enforcement officers and an NRC inspector contradict the exculpatory testimony and statements of Dhiraj Soni. Due to Dhiraj Soni's inconsistent statements and the consistent statements of law enforcement officers and the NRC inspector, the NRC does