

Document title	ADAMS accession No(s). or Web site
Information on Cumulative Radiological Health Impacts in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16340A259.
Meteorological Information in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16340A256.
Information on Radiation Protection and Accident Consequences in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16340A258.
Information on Alternate Cooling Water Systems in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16344A061.
Information on Terrestrial Ecology in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16348A552.
Information on Stability of Subsurface Materials and Foundation in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16350A420.
Site Selection Information in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16350A429.
Aquatic Ecology Information in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16356A485.
Environmental Protection Plan Information in Support of the Clinch River Nuclear Site Early Site Permit Application.	ML16363A378.

The NRC will post other publically available materials related to this application in ADAMS and on the NRC's public Web site at <http://www.nrc.gov/reactors/new-reactors/esp/clinch-river.html>.

Dated at Rockville, Maryland, this 5th day of January 2017.

For The Nuclear Regulatory Commission.

**Francis M. Akstulewicz,**

*Director, Division of New Reactor Licensing,  
Office of New Reactors.*

[FR Doc. 2017-00529 Filed 1-11-17; 8:45 am]

**BILLING CODE 7590-01-P**

## NUCLEAR REGULATORY COMMISSION

[Docket No. 50-186; NRC-2013-0090]

### University of Missouri—Columbia Research Reactor

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** License renewal; issuance.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) issued a renewal of Facility Operating License No. R-103, held by the Curators of the University of Missouri—Columbia (the licensee), for the continued operation of its University of Missouri—Columbia Research Reactor (MURR or the reactor) at a maximum steady-state power level of 10 megawatts thermal (MWt) for an additional 20 years from the date of issuance. The MURR facility is located in the University Research Park, adjacent to the main campus of the University of Missouri—Columbia, in Boone County, Columbia, Missouri.

**DATES:** The renewed facility operating license No. R-103 is effective on January 4, 2017.

**ADDRESSES:** Please refer to Docket ID NRC-2013-0090 when contacting the NRC about the availability of information regarding this document. You may obtain publicly-available information related to this document using any of the following methods:

- **Federal Rulemaking Web site:** Go to <http://www.regulations.gov> and search for Docket ID NRC-2013-0090. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; email: [Carol.Gallagher@nrc.gov](mailto:Carol.Gallagher@nrc.gov). For technical questions, contact the individual listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- **NRC's Agencywide Documents Access and Management System (ADAMS):** You may obtain publicly-available documents online in the ADAMS Public Documents collection at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "ADAMS Public Documents" and then select "Begin Web-based ADAMS Search." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by email to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). The ADAMS accession number for each document referenced (if it available in ADAMS) is provided the first time that a document is referenced. For the convenience of the reader, the ADAMS accession numbers are provided in a table in the "Availability of Documents" section of this document.

- **NRC's PDR:** You may examine and purchase copies of public documents at the NRC's PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

**FOR FURTHER INFORMATION CONTACT:** Geoffrey A. Wertz, Office of Nuclear

Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001; telephone: 301-415-0893; email: [Geoffrey.Wertz@nrc.gov](mailto:Geoffrey.Wertz@nrc.gov).

## SUPPLEMENTARY INFORMATION:

### I. Discussion

The NRC has issued renewed Facility Operating License No. R-103, held by the licensee, which authorizes continued operation of the MURR, located in the University Research Park, adjacent to the main campus of the University of Missouri—Columbia, in Columbia, Missouri. The MURR is an open pool-type reactor which is light-water moderated and cooled. It is licensed to operate at a maximum steady state power level of 10 MWt. The renewed Facility Operating License No. R-103 will expire 20 years from its date of issuance.

The renewed facility operating license complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's regulations in chapter I of title 10 of the *Code of Federal Regulations* (10 CFR), and sets forth those findings in the renewed facility operating license. The agency afforded an opportunity for hearing in the Notice of Opportunity for Hearing published in the **Federal Register** on May 20, 2013 (78 FR 29393). The NRC received no request for a hearing or petition for leave to intervene following the notice.

The NRC staff prepared a safety evaluation report (SER) for the renewal of Facility Operating License No. R-103 and concluded, based on that evaluation, that the licensee can continue to operate the facility without

endangering the health and safety of the public. The NRC staff also prepared an environmental assessment and finding of no significant impact for the renewal of the facility operating license, noticed in the **Federal Register** on November 29, 2016 (81 FR 86024), and concluded that

renewal of the facility operating license will not have a significant impact on the quality of the human environment.

## II. Availability of Documents

The documents identified in the following table are available to

interested persons through ADAMS accession numbers, as indicated. The SER, prepared by the NRC staff for the license renewal, is available under ADAMS Accession No. ML16124A887.

Document	ADAMS accession No.
Application for License Renewal for the University of Missouri-Columbia Research Reactor as Per 10 CFR 2.109—Cover Letter, August 31, 2006.	ML062540114.
Safety Analysis Report for the University of Missouri-Columbia Application for License Renewal Application—Volume 1 of 2—Redacted, August 31, 2006.	ML092110573.
Safety Analysis Report for the University of Missouri-Columbia Application for License Renewal—Chapters 10–18, Volume 2 of 2—Redacted, August 31, 2006.	ML092110597.
University of Missouri Research Reactor (MURR) Environmental Report for License Renewal, August 31, 2006 .....	ML062540121.
Written Communication as Specified by 10 CFR 50.4 (b)(1) Regarding the Response to the “University of Missouri at Columbia—Request for Additional Information RE: License Renewal Environmental Report,” January 29, 2010.	ML100330073.
University of Missouri, Columbia—Response to NRC Request for Additional Information, Redacted, July 16, 2010 .....	ML12354A237.
University of Missouri—Columbia Licensee Response to NRC Request for Additional Information—Chapter 10, Related to Amendment Information Only, Redacted, August 31, 2010.	ML120050315.
University of Missouri, Columbia, Response to Request for Additional Information Regarding License Renewal, September 3, 2010.	ML102500533.
University of Missouri, Columbia—Response to NRC Request for Additional Information, dated June 1, 2010, (TAC No. ME1580) Redacted, September 30, 2010.	ML12355A019.
University of Missouri, Columbia—Response to NRC Request for Additional Information 45-Day Response Questions (TAC No. ME1580) Redacted, October 29, 2010.	ML12355A023.
Written Communication as Specified by 10 CFR 50.4 (b)(1) Regarding the Response to the “University of Missouri at Columbia—Request for Additional Information RE: License Renewal, Safety Analysis Report, Complex Questions,” dated May 6, 2010, October 29, 2010.	ML103060018.
University of Missouri, Columbia—Response to NRC Request for Additional Information 45-Day Response Questions (TAC No. ME1580) Redacted, November 30, 2010.	ML12355A026.
University of Missouri-Columbia Research Reactor Response to Request for Additional Information Regarding Renewal Request for Amendment Facility Operating License R-103, March 11, 2011.	ML110740249.
University of Missouri-Columbia Research Reactor's Response to NRC Request for Additional Information Regarding a Renewal Request for Amended Facility Operating License R-103, September 8, 2011.	ML11255A003.
University of Missouri—Columbia Research Reactor, Written Communication as Specified by 10 CFR 50.4 (b)(1) Regarding Responses to the University of Missouri at Columbia—Request for Additional Information RE: License Renewal, Safety Analysis Report, January 6, 2012.	ML12010A186.
University of Missouri, Columbia—Licensee Response to NRC Request for Additional Information dated May 6, 2010 (Complex Questions) and June 1, 2012 (45-Day Response Questions) RE: License Renewal (TAC No. ME1580) Redacted, June 28, 2012.	ML12346A004.
Written Communication as Specified by 10 CFR 50.4 (b)(1) Regarding the Response to the University of Missouri at Columbia—Request for Additional Information Regarding the Renewal of Facility Operating License No. R-103 for the University of Missouri, January 28, 2015.	ML15034A474.
University of Missouri-Columbia—Response to Request for Additional Information Regarding Renewal Request for Amended Facility Operating License, July 31, 2015.	ML15216A122.
University of Missouri-Columbia, Request for a copy of the Emergency Plan in Support of Renewal of Amended Facility License No. R-103, September 15, 2015.	ML15260A439.
University of Missouri, Columbia—Responses to NRC Request for Additional Information, Dated April 17, 2015, Regarding Renewal Request for Amended Facility Operating License, October 1, 2015.	ML15275A314.
University of Missouri-Columbia—Response to NRC Request for Additional Information Dated December 17, 2015, Regarding Renewal Request for License No. R-103, February 8, 2016.	ML16041A221.
University of Missouri at Columbia—Responses to NRC Request for Additional Information dated February 8, 2016 Regarding Renewal Request for Amendment, April 8, 2016.	ML16103A536.
University of Missouri- Columbia Research Reactor, Response to Request for Additional Information on License Renewal Amendment Request, April 15, 2016.	ML16110A164.
University of Missouri-Columbia Research Reactor's Responses to the NRC Request for Additional Information, Dated October 28, 2015, Regarding Our Renewal Request for Amended Facility Operating License No. R-103, May 31, 2016.	ML16155A132.
University of Missouri-Columbia Response to Request for Additional Information Regarding the Proposed Technical Specifications for the License Renewal, July 25, 2016.	ML16209A236.
University of Missouri-Columbia Response to NRC Request for Additional Information Regarding Renewal for Amended Facility Operating License, August 31, 2016.	ML16246A010.
University of Missouri-Columbia Response to NRC Request for Additional Information Regarding the Technical Specifications for the Renewal for Amended Facility Operating License, November 7, 2016.	ML16313A517.
University of Missouri-Columbia Response to NRC Request for Additional Information Regarding the Technical Specifications for the Renewal for Amended Facility Operating License, November 15, 2016.	ML16321A485.
University of Missouri-Columbia Response to NRC Request for Additional Information Regarding the Security Plan for the Renewal for Amended Facility Operating License, November 15, 2016.	ML16321A455.
University of Missouri-Columbia Response to NRC Request for Additional Information Regarding the Renewal for Amended Facility Operating License, December 14, 2016.	ML16350A424.
University Of Missouri-Columbia Regarding Issuance of Renewed Facility Operating License No. R-103 for The University Of Missouri—Columbia Research Reactor (TAC No. ME1580) January 4, 2017.	ML16124A885.

Dated at Rockville, Maryland, this 5th day of January 2017.

For the Nuclear Regulatory Commission.

**Michael Balazik,**

*Chief (Acting), Research and Test Reactors Licensing Branch, Division of Policy and Rulemaking, Office of Nuclear Reactor Regulation.*

[FR Doc. 2017-00523 Filed 1-11-17; 8:45 am]

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## NUCLEAR REGULATORY COMMISSION

[Docket No. 040-06377; NRC-2014-0041]

**Department of the Army, U.S. Army Research, Development and Engineering Command, Armament Research, Development and Engineering Center, Picatinny Arsenal; Picatinny, New Jersey**

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Environmental assessment and finding of no significant impact; issuance.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) is considering the issuance to license amendment of SUB-348, issued on July 13, 1961 and held by the Department of the Army, U.S. Army Research, Development and Engineering Command (RDEC), Armament Research, Development and Engineering Center (ARDEC or the licensee), for its facilities located at the Picatinny Arsenal in Morris County, New Jersey.

**DATES:** The Environmental assessment and finding of no significant impact referenced in this document is available on January 12, 2017.

**ADDRESSES:** Please refer to Docket ID NRC-2014-0041 when contacting the NRC about the availability of information regarding this document. You may obtain publicly-available information related to this document using any of the following methods:

- *Federal Rulemaking Web site:* Go to <http://www.regulations.gov> and search for Docket ID NRC-2014-0041. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; email: [Carol.Gallagher@nrc.gov](mailto:Carol.Gallagher@nrc.gov). For technical questions, contact the individual listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- *NRC's Agencywide Documents Access and Management System (ADAMS):* You may obtain publicly-available documents online in the ADAMS Public Documents collection at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select

"ADAMS Public Documents" and then select "*Begin Web-based ADAMS Search*." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by email to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). For the convenience of the reader, the ADAMS accession numbers are provided in a table in the "Availability of Documents" section of this document.

- *NRC's PDR:* You may examine and purchase copies of public documents at the NRC's PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

### FOR FURTHER INFORMATION CONTACT:

Laurie A. Kauffman, Division of Nuclear Materials Safety, Region I, U.S. Nuclear Regulatory Commission, King of Prussia, PA 19406; telephone: 610-337-5323; email: [Laurie.Kauffman@nrc.gov](mailto:Laurie.Kauffman@nrc.gov).

### SUPPLEMENTARY INFORMATION:

#### I. Introduction

The NRC is considering the issuance of a license amendment to NRC's Source Materials License No. SUB-348 (License No. SUB-348). The license is held by the Department of the Army, U.S. Army Research, Development and Engineering Command (RDEC), Armament Research, Development and Engineering Center (ARDEC or the licensee), for its facilities located at the Picatinny Arsenal in Morris County, New Jersey. The ARDEC submitted to the NRC a license amendment request and proposed decommissioning plan for Area 1222. The ARDEC requested authorization to decontaminate the small remaining amounts of depleted uranium and radium in Area 1222, and proposed a decommissioning plan that included information describing how Area 1222 would meet the criteria described in part 20 of title 10 of the *Code of Federal Regulations* (CFR), subpart E, "License Termination Criteria" following decommissioning. Issuance of the amendment would authorize the decontamination of Area 1222. The ARDEC license would not be otherwise affected, and the ARDEC will continue to conduct authorized activities under this license at other locations on the Picatinny Arsenal site. The ARDEC requested this action in a letter dated July 23, 2013 (ADAMS Accession No. ML14078A564). The NRC's consideration of the license amendment request for the proposed decommissioning plan, and notice of an opportunity to request a hearing was publicly noticed in **Federal Register** notice (79 FR 18934-18936; March 27, 2014) (ADAMS Accession No. ML14058A702).

The NRC has prepared an environmental assessment (EA) in support of its review of the proposed actions in accordance with the requirements of 10 CFR part 51 "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions," which implements the NRC's environmental protection program under the National Environmental Policy Act (NEPA) of 1969, as amended. Based on this EA, the NRC has concluded that a finding of no significant impact (FONSI) is appropriate. The NRC will make a decision to amend the license following completion of a safety evaluation report.

#### II. Environmental Assessment

##### *Description of the Proposed Action*

The proposed action is to amend NRC License No. SUB-348 to authorize the decontamination of Area 1222 so that residual radioactivity above background can be reduced to a level that meets the criteria in 10 CFR part 20, subpart E, "License Termination Criteria," specifically, 10 CFR 20.1402, "Radiological Criteria for Unrestricted Use." This criteria allows unrestricted use of a site if the maximum total effective dose equivalent to an average member of the critical group is 25 millirem per year (0.25 millisievert (mSv) per year) and the residual radioactivity above background has been reduced to levels that are as low as is reasonably achievable.

The NRC License No. SUB-348 was issued on July 13, 1961, pursuant to 10 CFR part 40, and has been amended periodically since that time. This license authorizes ARDEC to use uranium and thorium in any form for purposes of conducting research and development activities. The ARDEC conducts authorized activities under this license at numerous other locations on the arsenal, and is not requesting license termination.

The Picatinny Arsenal is situated on 6,500 acres of land and consists of office space, laboratories, and specialized facilities. The Picatinny Arsenal is located in a mixed residential and commercial area. Area 1222, which includes an open detonation pit area and the adjacent hillside areas, is located on the arsenal property in the valley toward the northern end of the arsenal and lies at the base of the Copperas Mountain. In the 1970's, the ARDEC used Area 1222 for open detonation of munitions and as a demilitarization area. NRC-licensed activities performed in Area 1222 were restricted to the detonation of a limited number of mines containing small