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| "Rhode Island Atomic Energy Commission Response to April 13, 2010, Request for Additional Information Regarding License Renewal Technical Specifications (Redacted)," December 14, 2010.                                                                                                                     | ML16279A519 |
| "Reply to your Request for Additional Information (RAI) dated April 13, 2010, regarding License Renewal for the Rhode Island Nuclear Science Center Reactor (RINSC)," January 24, 2011.                                                                                                                      | ML110320416 |
| "Letter re: Request for Additional Information dated April 13, 2010 Regarding License Renewal for the Rhode Island Nuclear Science Center Reactor (RINSC)," February 24, 2011.                                                                                                                               | ML110600699 |
| "Rhode Island Atomic Energy Commission Response to Request for Additional Information Regarding License Renewal," July 15, 2011.                                                                                                                                                                             | ML11202A287 |
| "Rhode Island Atomic Energy Commission Tenth Response to the April 13, 2010, Request for Additional Information Regarding License Renewal (Redacted)," July 5, 2011.                                                                                                                                         | ML16279A520 |
| "Rhode Island Atomic Energy Commission Responses to Request for Additional Information Regarding License Renewal (Redacted)," July 15, 2011.                                                                                                                                                                 | ML16279A521 |
| "Rhode Island Nuclear Science Center Tenth Response to NRC Request for Additional Information dated April 13, 2010, Pages 126 Through 204," July 15, 2011.                                                                                                                                                   | ML11202A290 |
| "Response to NRC's Request for Additional Information Regarding Rhode Island Nuclear Science Center Reactor License Renewal," March 15, 2013.                                                                                                                                                                | ML13080A361 |
| "Response to NRC's Request for Additional Information Regarding Rhode Island Nuclear Science Center Reactor License Renewal," March 15, 2013.                                                                                                                                                                | ML13080A362 |
| "Response to NRC's Request for Additional Information Regarding Rhode Island Nuclear Science Center Reactor License Renewal, Proposed Technical Specification 130314," March 15, 2013.                                                                                                                       | ML13080A364 |
| "Response to Request for Additional Information Regarding Financial Qualifications for the RINSC Reactor License Renewal," September 16, 2013.                                                                                                                                                               | ML13260A474 |
| "Rhode Island Atomic Energy Commission License Renewal Historical Resource Impact Response Letter," December 19, 2013.                                                                                                                                                                                       | ML14006A420 |
| "Response to Request for Additional Information Regarding Requalification Plan for the RINSC Reactor License Renewal," February 24, 2014.                                                                                                                                                                    | ML14057A639 |
| "Compilation of All Submitted Requests for Additional Information for the Rhode Island Nuclear Science Center Reactor License Renewal. Part 1 of 3," April 28, 2014.                                                                                                                                         | ML14126A192 |
| "Rhode Island Atomic Energy Commission Consolidated Responses to Request for Additional Information Regarding License Renewal. Part 2 of 3 (Redacted)," April 28, 2014.                                                                                                                                      | ML16279A523 |
| "Compilation of All Submitted Requests for Additional Information for the Rhode Island Nuclear Science Center Reactor License Renewal. Part 3 of 3," April 28, 2014.                                                                                                                                         | ML14126A195 |
| "Rhode Island Nuclear Science Center Reactor—Updated Proposed Technical Specifications," June 30, 2014 .....                                                                                                                                                                                                 | ML14184B361 |
| "Rhode Island Nuclear Science Center Updated Technical Specifications," August 7, 2015 .....                                                                                                                                                                                                                 | ML15223A953 |
| "Rhode Island Nuclear Science Center Submittal of Updated Proposed Technical Specification," August 11, 2015 .....                                                                                                                                                                                           | ML15223A952 |
| "Summary of Changes to the Proposed Technical Specifications," August 11, 2015 .....                                                                                                                                                                                                                         | ML15223A954 |
| "Contractor Comments and Responses," August 11, 2015 .....                                                                                                                                                                                                                                                   | ML15223A955 |
| "Rhode Island Nuclear Science Center Transient Analyses Revised January 20, 2016," January 20, 2016 .....                                                                                                                                                                                                    | ML16062A378 |
| "Rhode Island Nuclear Science Center Technical Specifications," February 26, 2016 .....                                                                                                                                                                                                                      | ML16062A380 |
| "Rhode Island Atomic Energy Commission—Response to Requests for Additional Information dated September 3, 2015," March 1, 2016.                                                                                                                                                                              | ML16062A373 |
| "Fuel Failure Addendum 160229," March 1, 2016 .....                                                                                                                                                                                                                                                          | ML16062A381 |
| "New Transient Analysis Results 160226," March 1, 2016 .....                                                                                                                                                                                                                                                 | ML16062A379 |
| "150903 RAI Responses 160301," March 1, 2016 .....                                                                                                                                                                                                                                                           | ML16062A374 |
| "Core Change Summary for Conversion from RINSC LEU Core #5 to LEU Core #6," March 1, 2016 .....                                                                                                                                                                                                              | ML16062A375 |
| "[RINSC] Fuel Failure Analysis [Dose Table]," March 1, 2016 .....                                                                                                                                                                                                                                            | ML16062A382 |
| "Request for Change to License for the Rhode Island Atomic Energy Commission," April 21, 2016 .....                                                                                                                                                                                                          | ML16112A071 |
| "Rhode Island Atomic Energy Commission Research Reactor—Responses to NRC Staff Request for Additional Information for License Renewal Review (Redacted Version)," July 20, 2016.                                                                                                                             | ML16202A008 |
| "State of Rhode Island and Providence Plantations—Response to Request for Additional Dated August 3, 2016, Rhode Island Nuclear Science Center Response to NRC Request for Additional Information Regarding the Renewal, and Rhode Island Nuclear Science Center Technical Specifications," October 6, 2016. | ML16280A420 |
| "State of Rhode Island and Providence Plantations—Response to Request for Additional Information Regarding Calculations for Fuel Element Failure Accident Scenario," Letter and Responses, November 1, 2016.                                                                                                 | ML16306A063 |
| "Rhode Island Atomic Energy Commission—Transmittal of Supplemental Information in Support of Relicensing for the Rhode Island Nuclear Science Center (R-95)," Letter and Responses, November 14, 2016.                                                                                                       | ML16319A298 |
| Rhode Island Nuclear Science Center—"Supplemental Information for the Relicensing of the Rhode Island Atomic Energy Commission, Rhode Island Nuclear Science Center—Safety Analysis Report, and Rhode Island Nuclear Science Center—Technical Specifications," December 1, 2016.                             | ML16336A734 |
| State of Rhode Island and Providence Plantations—"Supplemental Information Regarding Relicensing for the Rhode Island Nuclear Science Center," December 8, 2016.                                                                                                                                             | ML16343A851 |
| Rhode Island December 13, 2016 Conversation Record, December 13, 2016 .....                                                                                                                                                                                                                                  | ML16351A003 |
| Supplemental Information Re: Relicensing for the Rhode Island Nuclear Science Center (R-95), December 15, 2016 .....                                                                                                                                                                                         | ML16350A042 |
| Rhode Island December 15 2016 Conversation Record, December 15, 2016 .....                                                                                                                                                                                                                                   | ML16351A012 |
| Rhode Island Nuclear Science Center—Supplemental Information Regarding Relicensing, December 15, 2016 .....                                                                                                                                                                                                  | ML16350A256 |
| Rhode Island Atomic Energy Commission—Issuance of Renewed Facility Operating License No. R-95 for the Rhode Island Nuclear Science Center Reactor (TAC No. ME1598) January 5, 2017.                                                                                                                          | ML16337A322 |

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. 2017-00527 Filed 1-11-17; 8:45 am]

**BILLING CODE 7590-01-P**

## **NUCLEAR REGULATORY COMMISSION**

**[Docket No. 52-047; NRC-2016-0119]**

### **Tennessee Valley Authority; Clinch River Nuclear Site**

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Early site permit application; acceptance for docketing.

**SUMMARY:** On May 12, 2016, the Tennessee Valley Authority (TVA) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for an early site permit (ESP) for the Clinch River Nuclear Site located in Oak Ridge, Tennessee. A notice of receipt and availability of this application was published in the **Federal Register** on June 23, 2016. The TVA also provided supplemental information in support of the application to the NRC.

**DATES:** The NRC received the ESP application on May 12, 2016, and docketed it on December 30, 2016.

**ADDRESSES:** Please refer to Docket ID NRC–2016–0119 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–2016–0119. 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, MD 20852.

**FOR FURTHER INFORMATION CONTACT:** Allen Fetter, Office of New Reactors, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001, telephone: 301–415–8556, email: [Allen.Fetter@nrc.gov](mailto:Allen.Fetter@nrc.gov).

#### **SUPPLEMENTARY INFORMATION:**

##### **I. Introduction**

Pursuant to Section 103 of the Atomic Energy Act of 1954, as amended (AEA), and part 52 of title 10 of the *Code of Federal Regulations* (10 CFR), “Licenses, Certifications, and Approvals for Nuclear Power Plants,” the applicant, TVA, filed an application with the NRC for an ESP in Oak Ridge, Tennessee. In accordance with subpart A of 10 CFR part 52, an applicant may seek an ESP separate from the filing of an application for a construction permit (CP) or combined license (COL) for a nuclear power facility. The ESP process allows resolution of issues relating to siting. At any time during the period of an ESP (up to 20 years), the permit holder may reference the permit in an application for a CP or COL.

The NRC staff has determined that TVA has submitted information in accordance with 10 CFR part 2, “Agency Rules of Practice and Procedure” and 10 CFR part 52, “Licenses, Certifications, and Approvals for Nuclear Power Plants,” that is sufficiently complete and acceptable for docketing. The docket number for this application is “52–047.”

##### **II. Further Information**

The NRC staff will perform a detailed technical review of the application, and docketing of the ESP application does not preclude the NRC from requesting additional information from the

applicant as the review proceeds, nor does it predict whether the Commission will grant or deny the application. The Commission will receive a report on the application from the Advisory Committee on Reactor Safeguards in accordance with 10 CFR 52.23. An Atomic Safety and Licensing Board Panel will conduct a hearing in accordance with 10 CFR 52.21 and will make an initial decision on the issuance of the permit for the Commission. If the Commission then finds that the application meets the applicable standards of the AEA and the Commission’s regulations, and that required notifications to other agencies and bodies have been made, the Commission will issue an ESP, in the form and containing conditions and limitations that the Commission finds appropriate and necessary.

In accordance with 10 CFR part 51, the Commission will also prepare an environmental impact statement for the proposed action. Pursuant to 10 CFR 51.26, and as part of the environmental scoping process, the staff intends to hold a public scoping meeting. Detailed information regarding this meeting will be included in a future **Federal Register** notice.

Finally, the Commission will announce, in a **Federal Register** notice, the opportunity to petition for leave to intervene in the hearing required for this application by 10 CFR 52.21.

##### **III. Availability of Documents**

The following table indicates the ADAMS accession numbers or Web site links where application documents and supplemental information are available to interested persons.

| Document title                                                                                                                          | ADAMS accession No(s). or Web site                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Application Transmittal letter for ESP for Clinch River Nuclear Site .....                                                              | ML16139A752.                                                                                                                                  |
| Clinch River Nuclear Site Early Site Permit Application, Part 1, Administrative Information .....                                       | ML16144A033.                                                                                                                                  |
| Clinch River Nuclear Site Early Site Permit Application, Part 2, Site Safety Analysis Report .....                                      | ML16144A074.                                                                                                                                  |
| Clinch River Nuclear Site Early Site Permit Application, Part 3, Environmental Report .....                                             | ML16144A145.                                                                                                                                  |
| Clinch River Nuclear Site Early Site Permit Application, Part 5, Emergency Plan .....                                                   | ML16144A150.                                                                                                                                  |
| Clinch River Nuclear Site Early Site Permit Application, Part 6, Exemptions and Departures .....                                        | ML16144A151.                                                                                                                                  |
| Early Site Permit Application—Clinch River Nuclear Site Web site .....                                                                  | <a href="http://www.nrc.gov/reactors/new-reactors/esp/clinch-river.html">http://www.nrc.gov/reactors/new-reactors/esp/clinch-river.html</a> . |
| Calculation Input and Output Files in Support of the Clinch River Nuclear Site Early Site Permit Application.                           | ML16180A307.                                                                                                                                  |
| Siting Study in Support of the Clinch River Nuclear Site Early Site Permit Application .....                                            | ML16188A075.                                                                                                                                  |
| Hydrology Information and Calculation Input and Output Files in Support of the Clinch River Nuclear Site Early Site Permit Application. | ML16216A115, ML16280A065, ML16280A066, ML16344A085.                                                                                           |
| Atmospheric Dispersion Calculation Input and Output Files in Support of the Clinch River Nuclear Site Early Site Permit Application.    | ML16216A109.                                                                                                                                  |
| Environmental Alternatives Supplemental Items in Support of the Clinch River Nuclear Site Early Site Permit Application.                | ML16252A182.                                                                                                                                  |
| Geologic and Geotechnical Information in Support of the Clinch River Nuclear Site Early Site Permit Application.                        | ML16302A176.                                                                                                                                  |
| Vibratory Ground Motion Information in Support of the Clinch River Nuclear Site Early Site Permit Application.                          | ML16302A445.                                                                                                                                  |

| 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/clinich-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