

August 7, 2019

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE COMMISSION

In the Matter of )  
 )  
TENNESSEE VALLEY AUTHORITY ) Docket No. 52-047-ESP  
 )  
(Clinch River Nuclear Site Early )  
Site Permit Application) )

NRC STAFF EXHIBIT LIST AND WITNESS CERTIFICATION

The staff of the U.S. Nuclear Regulatory Commission hereby provides its exhibit list and witness certification for the mandatory hearing on the early site permit application for the Clinch River Nuclear Site. The exhibit list is included as Attachment 1 and the witness certification is included as Attachment 2.

Respectfully submitted,

**/Signed (electronically) by/**  
Michael A. Spencer  
Counsel for NRC Staff  
U.S. Nuclear Regulatory Commission  
Mail Stop O-14 A44  
Washington, DC 20555-0001  
(301) 287-9115  
Michael.Spencer@nrc.gov

Dated at Rockville, Maryland,  
this 7th day of August 2019

# ATTACHMENT 1

## NRC STAFF EXHIBIT LIST FOR CLINCH RIVER ESP MANDATORY HEARING

Exhibit Number	Panel Number/ Sponsoring Witness(es)	Document Description/Title	ADAMS Accession Number (If Applicable)
NRC-001	Anna Bradford	SECY-19-0064, <i>Staff's Statement in Support of the Uncontested Hearing for Issuance of an Early Site Permit for Clinch River Nuclear Site</i> (June 21, 2019).	ML19107A241
NRC-002	Anna Bradford	Draft Early Site Permit for the Clinch River Nuclear Site (June 21, 2019) (public version).	ML19107A159
<b>NRC-003</b>	<b>Anna Bradford</b>	<b>NON-PUBLIC – Draft Early Site Permit for the Clinch River Nuclear Site (Aug. 1, 2019) (non-public version)</b>	<b>ML19158A369</b>
NRC-004	Anna Bradford	Draft Summary Record of Decision, Early Site Permit for the Clinch River Nuclear Site (June 21, 2019).	ML19070A028
NRC-005	Anna Bradford	NRC Staff Responses to Commission Prehearing Questions (June 26, 2019).	ML19207A235
NRC-006	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Cover Letter (Jan. 18, 2019). <sup>1</sup>	ML19030A485
NRC-007	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 1 – Part 1, Administrative Information (Dec. 15, 2017).	ML18003A298
NRC-008	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 2, Site Safety Analysis Report (Jan. 18, 2019).	ML19030A358

---

<sup>1</sup> As the applicant discussed in its cover letter, “[t]he portions of the application that include changes from Revision 1 are identified as Revision 2. The portions of the application that did not change from Revision 1 will remain Revision 1 and are not included in this submittal.” Thus, for some portions of the application, the latest revision is Revision 1.

Exhibit Number	Panel Number/ Sponsoring Witness(es)	Document Description/Title	ADAMS Accession Number (If Applicable)
NRC-009A	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 3, Environmental Report (Jan. 18, 2019) ( <i>beginning to page 3.9-3</i> ).	ML19030A478
NRC-009B	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 3, Environmental Report (Jan. 18, 2019) ( <i>page 3.9-4 to end</i> ).	ML19030A478
NRC-010	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 1 – Part 5, Emergency Planning (Dec. 15, 2017).	ML18003A485
NRC-011	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 6, Departures and Exemption Requests (Jan. 18, 2019).	ML19030A479
<b>NRC-012</b>	<b>Anna Bradford</b>	<b>NON-PUBLIC – Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 7, Withheld Information (Jan. 18, 2019).</b>	<b>ML19029A855</b>
NRC-013A	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 8, Enclosures (Jan. 18, 2019) ( <i>beginning to end of “Appendix B.3 - Rock Pressuremeter Report”</i> ).	ML19030A568
NRC-013B	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 8, Enclosures (Jan. 18, 2019) ( <i>beginning of “Appendix C - Downhole Geophysical Test Logging Report” to page C1153 of the report</i> ).	ML19030A568
NRC-013C	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 8, Enclosures (Jan. 18, 2019) ( <i>from page C1154 of the “Appendix C - Downhole Geophysical Test Logging Report” to the end of the report</i> ).	ML19030A568
NRC-013D	Anna Bradford	Clinch River Nuclear Site Early Site Permit Application, Rev. 2 – Part 8, Enclosures (Jan. 18, 2019) ( <i>from “Appendix D - Surface Geophysical Test Data” to the end of Enclosure 8</i> ).	ML19030A568

<b>Exhibit Number</b>	<b>Panel Number/ Sponsoring Witness(es)</b>	<b>Document Description/Title</b>	<b>ADAMS Accession Number (If Applicable)</b>
NRC-014A	Anna Bradford	Final Safety Evaluation Report for the Early Site Permit Application for the Clinch River Nuclear Site (June 2019) (public version).	ML19162A157
<b>NRC-014B</b>	<b>Anna Bradford</b>	<b>NON-PUBLIC – Final Safety Evaluation Report for the Early Site Permit Application for the Clinch River Nuclear Site (June 2019) (non-public version).</b>	<b>ML19162A166</b>
NRC-015A	Anna Bradford	NUREG-2226, <i>Environmental Impact Statement for an Early Site Permit (ESP) at the Clinch River Nuclear Site; Final Report</i> , Volume 1, Chapters 1 to 12 (Apr. 2019).	ML19073A099
NRC-015B	Anna Bradford	NUREG-2226, <i>Environmental Impact Statement for an Early Site Permit (ESP) at the Clinch River Nuclear Site; Final Report</i> , Volume 2, Appendices (Apr. 2019).	ML19073A109
NRC-016	Anna Bradford	Staff Presentation Slides – Overview (Aug. 2019).	
NRC-017	Anna Bradford	Staff Presentation Slides – Safety Panel (Aug. 2019).	
NRC-018	Anna Bradford	Staff Presentation Slides – Environmental Panel (Aug. 2019).	

# **ATTACHMENT 2**

## **Witness Certification of Anna Bradford**

August 7, 2019

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE COMMISSION

In the Matter of )  
 )  
TENNESSEE VALLEY AUTHORITY ) Docket No. 52-047-ESP  
 )  
(Clinch River Nuclear Site Early )  
Site Permit Application) )

CERTIFICATION OF ANNA BRADFORD SPONSORING TESTIMONY IN  
EXHIBITS NRC-001, NRC-005, NRC-016, NRC-017, NRC-018 INTO THE HEARING RECORD

I, Anna Bradford, do declare under penalty of perjury that the statements in SECY-19-0064, *Staff Statement in Support of the Uncontested Hearing for Issuance of an Early Site Permit for Clinch River Nuclear Site* (June 21, 2019) (Exhibit NRC-001), “NRC Staff Responses to Commission Prehearing Questions” (July 26, 2019) (Exhibit NRC-005), “Staff Presentation Slides – Overview” (August 2019) (Exhibit NRC-016), “Staff Presentation Slides – Safety Panel” (August 2019) (Exhibit NRC-017), and “Staff Presentation Slides – Environmental Panel” (August 2019) (Exhibit NRC-018) were prepared under my direction; are true and correct to the best of my information, knowledge, and belief; and are adopted by me as my sworn testimony in this proceeding.

**Executed in Accord with 10 CFR 2.304(d)**

Anna Bradford  
Deputy Director  
Division of Licensing, Siting, and  
Environmental Analysis  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Mail Stop O-7 H4  
Washington, DC 20555-001  
(301) 415-1560  
Anna.Bradford@nrc.gov

Executed at Rockville, Maryland  
this 7th day of August 2019

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE COMMISSION

In the Matter of )  
)  
TENNESSEE VALLEY AUTHORITY ) Docket No. 52-047-ESP  
)  
(Clinch River Nuclear Site Early )  
Site Permit Application) )

CERTIFICATE OF SERVICE

I hereby certify that the "NRC Staff Exhibit List and Witness Certification" and Exhibits NRC-001, NRC-002, NRC-004 to NRC-011, NRC-013A to NRC-013D, NRC-014A, and NRC-015A to NRC-018 have been filed as a *public submission* through the E-Filing system this 7th day of August 2019.

I hereby certify that the Exhibits NRC-003, NRC-012, and NRC-014B have been served on the following persons and entities as a *non-public submission* through the E-Filing system this 7th day of August 2019.

Christopher C Chandler, Esq.  
Ryan C. Dreke, Esq.  
Counsel for the Applicant  
Office of the General Counsel  
Tennessee Valley Authority  
400 W. Summit Hill Drive  
Knoxville, TN 37902  
E-mail: ccchandler0@tva.gov  
E-mail: rcdreke@tva.gov

Office of Commission Appellate  
Adjudication  
Mail Stop O-16 B33  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001  
E-mail: OCAAmal@nrc.gov

Office of the Secretary  
Mail Stop: O-16 B33  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001  
E-mail: HEARINGDOCKET@nrc.gov

**/Signed (electronically) by/**  
Michael A. Spencer  
Counsel for NRC Staff  
U.S. Nuclear Regulatory Commission  
Mail Stop O-14 A44  
Washington, DC 20555-0001  
(301) 287-9115  
Michael.Spencer@nrc.gov