

August 28, 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 SECOND REVISED EXHIBIT LIST AND WITNESS CERTIFICATIONS

The staff of the U.S. Nuclear Regulatory Commission hereby provides its second revised exhibit list and additional supporting witness certifications for the mandatory hearing on the early site permit application for the Clinch River Nuclear Site. The revised exhibit list is included as Attachment 1 and the additional witness certifications are included in Attachment 2. The new exhibit, NRC-019, includes the staff's responses to the Commission's post-hearing questions and the staff's request to make corrections to the record.

Respectfully submitted,

**/Signed (electronically) by/**  
Michael A. Spencer  
Counsel for NRC Staff  
U.S. Nuclear Regulatory Commission  
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Dated at Rockville, Maryland,  
this 28th day of August 2019

# ATTACHMENT 1

## NRC STAFF SECOND REVISED EXHIBIT LIST FOR CLINCH RIVER ESP MANDATORY HEARING (AUGUST 28, 2019)

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

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<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-R	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).	
NRC-019	Tamsen Dozier, Michelle Hart, Michael Scott	NRC Staff Responses to Commission Post-Hearing Questions and Request for Additional Record Corrections (Aug. 28, 2019).	

# **ATTACHMENT 2**

**Witness Certifications of  
Tamsen Dozier, Michelle Hart,  
and Michael Scott**

August 28, 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 TAMSSEN DOZIER SPONSORING TESTIMONY  
IN EXHIBIT NRC-019 INTO THE HEARING RECORD

I, Tamsen Dozier, do declare under penalty of perjury that the statements in the NRC staff response to question 12 and the correction regarding testimony on Final Environmental Impact Statement Section 10.2 in the "NRC Staff Responses to Commission Post-Hearing Questions and Request for Additional Record Corrections" (August 28, 2019) (Exhibit NRC-019), were prepared by me or 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)**

Tamsen Dozier  
Project Manager  
Division of Licensing, Siting, and  
Environmental Analysis  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Mail Stop O7-E1  
Washington, DC 20555-001

Executed at Rockville, Maryland,  
this 28th day of August 2019

August 28, 2019

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE COMMISSION

In the Matter of )  
 )  
TENNESSEE VALLEY AUTHORITY ) Docket No. 52-047-ESP  
 )  
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Site Permit Application) )

CERTIFICATION OF MICHELLE HART SPONSORING TESTIMONY  
IN EXHIBIT NRC-019 INTO THE HEARING RECORD

I, Michelle Hart, do declare under penalty of perjury that the statements in the NRC staff responses to questions 1, 3, 4, 7, and 11 in the “NRC Staff Responses to Commission Post-Hearing Questions and Request for Additional Record Corrections” (August 28, 2019) (Exhibit NRC-019), were prepared by me or 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)**

Michelle Hart  
Senior Reactor Engineer  
Division of Advanced Reactors  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Mail Stop O7-D21  
Washington, DC 20555-001

Executed at Rockville, Maryland,  
this 28th day of August 2019

August 28, 2019

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE COMMISSION

In the Matter of )  
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TENNESSEE VALLEY AUTHORITY ) Docket No. 52-047-ESP  
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CERTIFICATION OF MICHAEL SCOTT SPONSORING TESTIMONY  
IN EXHIBIT NRC-019 INTO THE HEARING RECORD

I, Michael Scott, do declare under penalty of perjury that the statements in the NRC staff responses to questions 2, 5, 6, 8, 9, and 10 in the “NRC Staff Responses to Commission Post-Hearing Questions and Request for Additional Record Corrections” (August 28, 2019) (Exhibit NRC-019), were prepared by me or 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)**

Michael Scott  
Director  
Division of Preparedness and Response  
Office of Nuclear Security and Incident Response  
U.S. Nuclear Regulatory Commission  
Mail Stop O9-C28  
Washington, DC 20555-001

Executed at Rockville, Maryland,  
this 28th day of August 2019