

**NORTH
ANNA
LICENSE
RENEWAL
PUBLIC
MEETING**

**WILL BEGIN
SHORTLY ...**

**Technical contact:
Briana.Arlene@nrc.gov**

- Public Meeting
Slides: ML21256A303
- Please log into both the Teams webinar and the bridgeline. Visuals will be through Teams, and audio will be through the bridgeline.
- Bridgeline: (877) 918-3033
- Passcode: 4860356 then #
- If there is technical difficulty, please contact
Briana.Arlene@nrc.gov
- Meeting runtime: 1:00-3:00 pm ET



Preliminary Results of the Environmental Review for North Anna Power Station Units 1 and 2 Subsequent License Renewal

September 28, 2021

Overview

- NRC's Regulatory Role
- North Anna Background
- Environmental Review
- Preliminary Findings
- Environmental Review Milestones
- Submitting Public Comments

NRC's Regulatory Role

- **NRC's Primary Governing Statutes**
 - Atomic Energy Act
 - Energy Reorganization Act
 - National Environmental Policy Act (NEPA)
- **NRC's Mission**
 - Protect public health and safety
 - Promote the common defense and security
 - Protect the environment

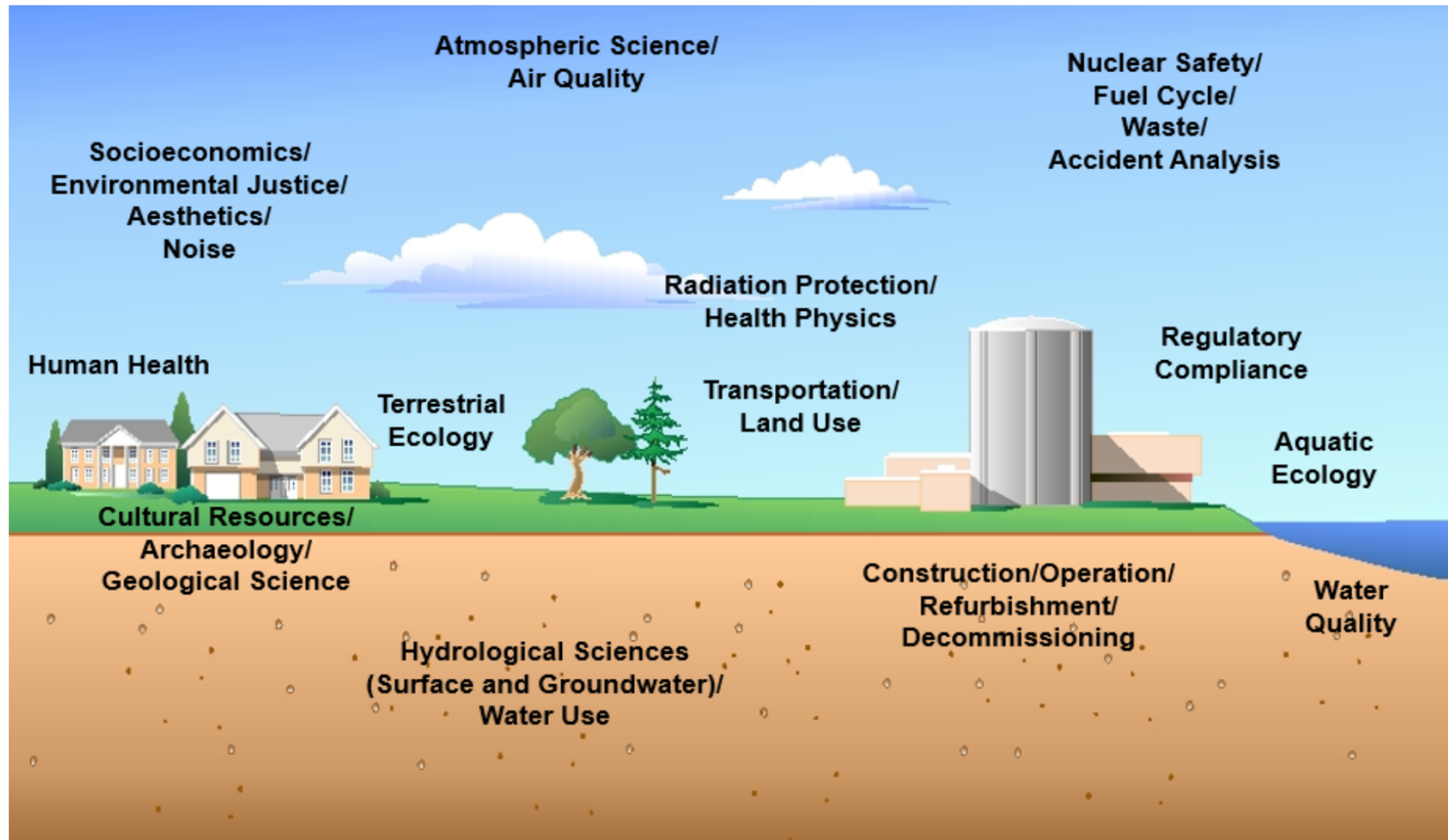
North Anna Power Station Background

Description	Unit 1	Unit 2
Operating Licenses Issued	April 1, 1978	August 21, 1980
First Renewed Licenses Issued	March 20, 2003	
First License Renewal Expires	April 1, 2038	August 21, 2040

Environmental Review

- **Generic Environmental Impact Statement (GEIS)**
 - Addresses environmental issues common to all plants (or a distinct subset of plants) during the license renewal term
- **Supplemental Environmental Impact Statement (SEIS)**
 - Addresses site-specific environmental issues during the license renewal term
 - Includes any new and significant information regarding generic issues, an evaluation of alternatives, and an evaluation of cumulative impacts

SEIS: Environmental Issues Evaluated



How Impacts are Defined

- **SMALL**
 - Effects are not detectable or are so minor that they will neither destabilize nor noticeably alter any important attribute of the resource
- **MODERATE**
 - Effects are sufficient to alter noticeably, but not to destabilize, important attributes of the resource
- **LARGE**
 - Effects are clearly noticeable and are sufficient to destabilize important attributes of the resource

How Impacts are Defined

- **Federally Listed Species and Critical Habitat (Endangered Species Act)**
 - No effect
 - May affect but is not likely to adversely affect/adversely modify
 - May affect and is likely to adversely affect/adversely modify
- **Essential Fish Habitat (Magnuson-Stevens Act)**
 - No adverse impacts
 - Minimal adverse impacts
 - Substantial adverse impact

How Impacts are Defined (continued)

- **Cultural and Historic Resources
(National Historic Preservation Act)**
 - Would adversely affect
 - Would not adversely affect
- **Environmental Justice (Executive Order
12898)**
 - Disproportionally high and adverse human health and environmental effects

North Anna draft SEIS Preliminary Results

Resource Area	Impacts
<ul style="list-style-type: none">• Land Use/Visual Resources• Air Quality/Noise• Geologic Environment• Surface Water Resources• Groundwater Resources• Terrestrial Resources• Aquatic Resources• Socioeconomics• Transportation• Human Health• Waste Management and Pollution	<p>All SMALL</p>

North Anna draft SEIS Preliminary Results (continued)

Resource Area	Impacts
<ul style="list-style-type: none">• Special Status Species and Habitats (threatened, endangered, and protected species; essential fish habitat)	<ul style="list-style-type: none">• May affect, but is not likely to adversely affect, northern long-eared bat. Unlikely to result in effects on the northern long-eared bat habitat. No adverse effects on the essential fish habitat.

North Anna draft SEIS Preliminary Results (continued)

Resource Area	Impacts
<ul style="list-style-type: none"> • Historic and Cultural Resources 	<ul style="list-style-type: none"> • Would not adversely affect known historic properties
<ul style="list-style-type: none"> • Environmental Justice 	<ul style="list-style-type: none"> • No disproportionately high and adverse human health and environmental effects on minority and low-income populations
<ul style="list-style-type: none"> • Cumulative Impacts 	<ul style="list-style-type: none"> • See SEIS Section 3.16
<ul style="list-style-type: none"> • Postulated Accidents (SAMA) 	<ul style="list-style-type: none"> • See SEIS Appendix F

Cumulative Impacts

- Overall impacts to the environment including past, present, and reasonably foreseeable future actions
- Actions that were considered include:
 - Electric generation facilities nearby
 - Renewable energy facilities nearby
 - Manufacturing and mining facilities in the vicinity
 - Military and other federal facilities
 - Park and recreation sites
 - Transportation Facilities
 - Other construction projects

Alternatives

- Alternative energy sources analyzed (power replacement)
 - New nuclear (small modular reactor)
 - Combination alternative (solar, offshore wind, small modular reactor, and demand-side management)
- No-action alternative

Preliminary Conclusion

The adverse environmental impacts of North Anna Power Station license renewal are not so great that preserving the option of subsequent license renewal for energy-planning decisionmakers would be unreasonable

Environmental Review Milestones

- Draft SEIS published Aug. 19, 2021
- Start of Comment Period Aug. 27, 2021
- Draft SEIS Public Meeting Sep. 28, 2021
- **Draft SEIS Comments Due Oct. 12, 2021**
- Final SEIS Feb. 2022

Obtaining the Draft SEIS

- **Public Library: (printed copy for inspection)**
Louisa Library, 881 Davis Hwy, Mineral, VA 23117
- **North Anna Project Public Website:**
<https://www.nrc.gov/reactors/operating/licensing/renewal/applications/north-anna-1-2-subsequent.html>
- **Agencywide Documents Access and Management System (ADAMS):**
 - <https://www.nrc.gov/reading-rm/adams.html>
 - Draft SEIS accession number: ML21228A084

For Additional Information

- **North Anna Project Public Website:**

<https://www.nrc.gov/reactors/operating/licensing/renewal/applications/north-anna-1-2-subsequent.html>

- North Anna subsequent license renewal application
- The environmental report
- The current schedule
- The project managers associated with North Anna plant

- **North Anna Correspondence:**

– <https://www.nrc.gov/public-involve/listserver/plants-by-region.html>

How to Submit Comments

- **By Mail:** TWFN-7-A60M, ATTN: Program Management, Announcements and Editing Staff, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001
- **Internet:**
 - www.regulations.gov
 - Docket ID: NRC–2020–0234
- **By Email:** NorthAnnaEnvironmental@nrc.gov
- **Please contact the Env. PM with any questions:**
Email: tam.tran@nrc.gov, Voice: 301-415-3617
- **Comments due by October 12, 2021**