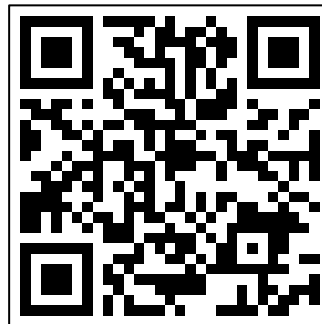


**SHINE DRAFT ENVIRONMENTAL IMPACT STATEMENT
PUBLIC MEETING
WILL BEGIN SHORTLY ...**

Technical contact: Caroline.Hsu@nrc.gov

Public meeting details



Public meeting slides: ML22206A042



**Public Meeting on the Draft
Environmental Impact Statement Related
to the Operating License for the SHINE
Medical Isotope Production Facility
(NUREG-2183, Supplement 1)**

July 27, 2022

Overview

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

NRC's Regulatory Role

- **U.S. Nuclear Regulatory Commission's (NRC) 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

SHINE Background

- In **2015**, the NRC and the U.S. Department of Energy issued NUREG-2183, “Environmental Impact Statement for the Construction Permit for the SHINE Medical Radioisotope Production Facility” (the final environmental impact statement or FEIS)
 - Discusses the environmental impacts of constructing, operating, and decommissioning the SHINE Medical Isotope Production Facility
- In **2016**, the NRC issued a construction permit for the SHINE facility
- In **2019**, SHINE Medical Technologies, LLC submitted an application to the NRC for an operating license for the SHINE facility and commenced NRC-authorized construction

Environmental Review

- In connection with its review of SHINE's operating license application, the NRC prepared a **supplement** to the FEIS (NUREG-2183, Supplement 1)
- The purpose of this supplement is to evaluate the environmental impacts of the SHINE facility **with respect to any changes since the publication of the FEIS**
- The supplement updates information and only covers matters that differ from the FEIS or that reflect significant new information

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 (continued)

- **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
- **Environmental Justice (Executive Order 12898)**
 - Disproportionally high and adverse human health and environmental effects

Preliminary Results

| Resource Area | Impacts |
|---|-----------|
| <ul style="list-style-type: none">• Land Use/Visual Resources• Air Quality/Noise• Geologic Environment• Water Resources• Ecological Resources• Historical and Cultural Resources• Socioeconomics• Human Health• Waste Management• Transportation• Accidents | ALL SMALL |

Preliminary Results

| Resource Area | Impacts |
|---|--|
| Federally Listed Species and Critical Habitat | No effect; none of the four evaluated threatened and endangered species are present in the action area |
| Environmental Justice | Minority and low-income populations are not expected to experience any disproportionately high and adverse human health or environmental effects |
| Cumulative Impacts | Unchanged from the FEIS |

Preliminary Recommendation

NRC staff's preliminary recommendation, unless safety issues mandate otherwise, is that the operating license be issued as proposed

Environmental Review Milestones

| Action | Date |
|------------------------------------|-----------------|
| DSEIS Published | June 2022 |
| DSEIS Public Comment Period Starts | July 8, 2022 |
| Comment Period Ends | August 22, 2022 |
| Issue FSEIS | December 2022 |

Draft SEIS Availability

- **Public Library:**
Hedberg Public Library, 316 South Main Street,
Janesville, Wisconsin 53545
- **SHINE Public Website:** <https://www.nrc.gov/info-finder/nonpower/shine-medical-technologies-llc.html>
- **In the NRC's Agencywide Documents Access and Management System (ADAMS):**
 - Draft SEIS accession number: ML22179A346
 - <https://www.nrc.gov/docs/ML2217/ML22179A346.pdf>

How to Submit Comments

You may submit comments by any of the following methods. Please include Docket ID NRC-2022-0135 in the subject line of your comments.

- **Federal Rulemaking Website:** Go to <http://www.regulations.gov> and search for Docket ID NRC-2022-0135
- **Mail comment to:** Office of Administration, Mail Stop: TWFN-7-A60M, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001
- **Email comments to:** SHINEEnvironmental@nrc.gov

Contact: Lance Rakovan, Senior Environmental Project Manager, at 301-415-2589 or Lance.Rakovan@nrc.gov

To Make a Comment

- For participants on Teams, use the “Raise My Hand” feature
 - Use Unmute when called upon
- For participants on the bridgeline, hit *5
 - Use *6 to unmute when called upon
- Please identify yourself and any group with which you may be associated