

# Pre-application Meeting Regarding the SHINE Medical Technologies Operating License Application: Environmental

Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
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# Agenda

- Regulatory background
- Consideration of new information
- Best practices
- Format

# Regulatory Background

- 10 CFR 51.95 (b) requires the NRC staff to prepare a supplemental environmental impact statement (EIS)
- The supplemental EIS will:
  - update the prior staff review for the construction permit
  - describe matters that differ or that reflect significant new information since publication of the final EIS
- The supplemental EIS does not need to include:
  - a discussion of matters that are the same or that have not changed since publication of the final EIS

# Regulatory Background

- 10 CFR 51.53(b) requires an applicant to prepare an environmental report
- The environmental report should:
  - discuss matters that differ or that reflect new information since publication of the final EIS
- The environmental report does not need to include:
  - a discussion of matters that are the same or that have not changed

# Consideration of New or Different Information

- The applicant should consider all matters described in:
  - 10 CFR 51.45, 51.51, and 51.52
  - Interim Staff Guidance Augmenting NUREG-1537, Chapter 19, “Environmental Report.”
- The level of detail for each new or different matter should:
  - be similar to the level of detail in the construction permit final EIS
  - be commensurate with the likelihood of impacts, especially in situations where new or different information could lead to a different conclusion

# Consideration of New or Different Information

- Changes to the facility design that could affect the environment, for example:
  - building footprint
  - excavation depth
  - stack height
  - construction activities that could affect operations or decommissioning
- Changes to facility operation that could affect the environment, for example:
  - number of workers
  - new or revised production activities that could change air emissions or dose exposures

# Consideration of New or Different Information

- Changes to the natural or physical environment, for example:
  - clearing or grading on site
  - new activities or facilities surrounding the site
  - threatened or endangered species listed or new cultural resource identified since publication of the final EIS
  - change in air quality designation
- Changes to the regulatory environment, for example:
  - new permits required
  - new air quality regulations issued
- New environmental information or studies, for example:
  - new environmental studies conducted by the applicant or another organization

# Best Practices

- Request pre-application meetings with the NRC staff
- If no change has occurred, provide a brief basis for that conclusion, such as:
  - no new regulations published
  - no change to the building design
  - no change in the physical or natural environment on and surrounding the site
- Include copies of correspondence with any Federal, State, or local agencies since publication of the final EIS



# Format

- Length of environmental report and supplemental EIS commensurate with the number and extent of changes.
- Following a similar format of the previous environmental report may help to ensure completeness, consistency, and accuracy.

# Discussion

