

# PUBLIC SUBMISSION

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**Docket:** NRC-2013-0053  
SHINE Medical Technologies, Inc.

**Comment On:** NRC-2013-0053-0016  
Construction Permit Application for the SHINE Medical Radioisotope Production Facility; Draft Environmental Impact Statement

**Document:** NRC-2013-0053-DRAFT-0011  
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## Submitter Information

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**Government Agency Type:** State

**Government Agency:** Wisconsin Department of Natural Resources

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## General Comment

See attached file(s)

## Attachments

SHINE\_deIS\_DNRComments.doc

SUNSI Review Complete

Template = ADM - 013

E-RIDS= ADM -03

Add= m. moore (mrm1)



July 2, 2015

Ms. Cindy Bladey  
Office of Administration  
Mail Stop OWFN-12 H08  
U.S. Nuclear Regulatory Commission  
Washington D.C. 20555-0001

Subject: Docket ID NR-2013-0053, WDNR Comments for the draft Environmental Impact Statement for SHINE Medical Technologies Radioisotope Production Facility

Dear Ms. Bladey:

Thank you for the opportunity to provide comments related to the U.S. Nuclear Regulator Commissions' (NRC) draft Environmental Impact Statement (dEIS) regarding the construction permit submitted by SHINE Medical Technologies, Inc (SHINE) for the proposed SHINE Medical Radioisotope Production Facility in Janesville, Wisconsin. SHINE submitted the application for a construction permit to the NRC on March 26, 2013. This facility would produce radioisotopes for use in diagnostic medical isotope procedures.

SHINE Proposes to construct and operate a radioisotope production facility to produce molybdenum-99 (Mo-99), iodine-131 (I-131) and xenon-133 (Xe-133). The proposed facility would cover approximately 91 acres and would include open space, a production facility building, a support facility building, a waste staging and shipping building, a diesel generator building, an administration building, and a security station. The majority of the proposed site currently consists of cultivated agricultural land. Preliminary environmental investigations by SHINE have concluded that there are no wetlands, waterways, forest, grasslands or prairie habitats on the proposed site.

We have reviewed the draft Environmental Impact Statement published May 2015. Because the Wisconsin Department of Natural Resources (WDNR) may have regulatory jurisdiction over various aspects of this project, we submit several comments related to the draft EIS:

**Storm water**

Within the document, lines 40-42 of page 4-19 currently state that:

*"This stormwater system would be designed to address the 1-year, 2-year, and 24-hour storm events per State regulations and the 10-year and 100-year events, as required by the City of Janesville (SHINE 2013a)."*

The Department recommends that the storm water system design reference compliance with NR 151 and NR 216, Wis. Adm. Code instead of (or in addition to) the specific regulations. The peak discharge requirement (from various storm events) that is referenced is only one of the storm water requirements and there are other specific regulatory obligations that would need to be met (total suspended solids reduction & infiltration, for example). Additionally, referencing compliance with NR 151 and NR 216, Wis. Adm. Codes, incorporates both the Construction Site Storm Water Runoff permit and the Industrial Storm Water permit that are both required of this

site. The sentence might be most simply re-worded to read, "The storm water system(s) shall be designed to comply with NR 151 and NR 216, Wis. Adm. Code and the City of Janesville's requirements."

#### Air

The dEIS states that, "As of February 2014, the WDNR was actively working with SHINE to determine which of these permits would be required (WDNR 2014a)," and "SHINE intends to submit an application for a Type A Registration Construction Permit to the Wisconsin Department of Natural Resources (WDNR) (SHINE 2013b)." It should be noted that the Department has not yet received an application for an air pollution control permit from SHINE.

Section 4.2.2 discusses air emissions from operations. The Department is unable to confirm the assumed emissions without a permit application.

#### Hazardous Waste

There is reference in the dEIS to properly handling the low level mixed waste that is proposed to be generated. It should be noted that in January 2014, the Department communicated with SHINE related to this topic and SHINE was informed of the Department's requirements.

Several times in the document, NR 460, Wisconsin Administrative Code, is referenced regarding hazardous waste and nonhazardous waste. See the following from the draft:

*"In the State of Wisconsin, EPA has delegated the primary responsibility for implementing RCRA regulations to the State of Wisconsin. For example, Wisconsin Administrative Code **NR 460** addresses the identification; generation; minimization; transportation; and final treatment, storage, or disposal of hazardous and nonhazardous waste."*

This should be corrected to reference **NR 660**, Wisconsin Administrative Code (not NR 460) and the reference to nonhazardous waste should be deleted or should include that the nonhazardous Solid Waste General requirements are detailed in NR 500, Wisconsin Administrative Code.

Thank you for providing the opportunity to comment on the draft Environmental Impact Statement related to the construction permit for SHINE Medical Technologies Radioisotope Production Facility. Please contact Laura Bub at [laura.bub@wisconsin.gov](mailto:laura.bub@wisconsin.gov) or 608.275.3485 with any questions or comments regarding this letter.

Sincerely,



Laura Bub  
Environmental Analysis and Review Specialist

Cc (via email): Michelle Moser, U.S. NRC  
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Brian Barbieur, WDNR  
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