



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 17, 2022

Dr. Gregory Piefer
Chief Executive Officer
SHINE Technologies, LLC
3400 Innovation Court
Janesville, WI 53546

SUBJECT: SHINE TECHNOLOGIES, LLC ACCEPTANCE OF REQUEST TO AMEND
CONSTRUCTION PERMIT NO. CPMIF-001

Dear Dr. Piefer:

By letter dated April 1, 2022, SHINE Technologies, LLC (SHINE) submitted a license amendment request to change the licensee's name from SHINE Medical Technologies, LLC to SHINE Technologies, LLC in the License Title, Section 1.A, Section 2, the Appendix A Title, and Appendix A Section 2.0, of Construction Permit No. CPMIF-001, and to extend the latest date for the completion of construction of the SHINE medical isotope production facility to December 31, 2025. The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient information in scope and depth to allow the NRC staff to complete its detailed review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the facility.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an application for an amendment to a license (including the technical specifications) or construction permit must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

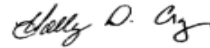
The NRC staff has reviewed your application and concluded that it does provide information in sufficient detail to enable the NRC staff to complete its detailed review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment. Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

Based on the information provided in your submittal, the NRC staff has estimated that this licensing request will take approximately 80 hours to complete. The NRC staff expects to complete this review in approximately 6 months, which is December 31, 2022. If there are emergent complexities or challenges in our review that would cause changes to the initial forecasted completion date or significant changes in the forecasted hours, the reasons for the changes, along with the new estimates, will be communicated during the routine interactions with

the assigned project manager. These estimates are based on the NRC staff's initial review of the application, and they could change due to several factors including requests for additional information, unanticipated addition of scope to the review, and review by NRC advisory committees or hearing-related activities.

If SHINE has any questions, please contact me at (301) 415-1053, or via electronic mail at Holly.Cruz@nrc.gov.

Sincerely,



Signed by Cruz, Holly
on 05/17/22

Holly D. Cruz, Senior Project Manager
Non-Power Production and Utilization
Facility Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Docket No. 50-608
Construction Permit No. CPMIF-001

cc: See next page

SHINE Medical Technologies, LLC

Docket No. 50-608

cc:

Jeff Bartelme
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3400 Innovation Court
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U.S. Department of Energy
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Wisconsin Department of Health Services
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Madison, WI 53701-2659

Test, Research and Training
Reactor Newsletter
Attention: Amber Johnson
Dept of Materials Science
and Engineering
University of Maryland
4418 Stadium Drive
College Park, MD 20742-2115

Mark Freitag
City Manager
P.O. Box 5005
Janesville, WI 53547-5005

Bill McCoy
1326 Putnam Avenue
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Alfred Lembrich
541 Miller Avenue
Janesville, WI 53548

SUBJECT: SHINE TECHNOLOGIES, LLC ACCEPTANCE OF REQUEST TO AMEND
CONSTRUCTION PERMIT NO. CPMIF-001 DATED: MAY 17, 2022

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NRR-106

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