



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

May 3, 2022

LICENSEE: SHINE Medical Technologies, LLC

SUBJECT: SUMMARY OF JANUARY 20, 2022, MEETING WITH SHINE MEDICAL TECHNOLOGIES, LLC (EPID NO. L-2019-NEW-0004)

On January 20, 2022, an Observation public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of SHINE Medical Technologies, LLC (SHINE). The purpose of this meeting was to discuss licensing and technical topics associated with SHINE's proposed phased approach to construction and operation of its Medical Isotope Production Facility. Portions of this meeting were closed to public participation to discuss proprietary information. The meeting notice and agenda, dated December 13, 2021, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML21347A082. SHINE's presentation is also available in ADAMS at Accession No. ML22110A209. A list of meeting attendees is provided as an enclosure to this summary.

During the meeting, SHINE provided an overview of the proposed phased startup operations. SHINE described each phase of the proposed approach, including the systems installed within each phase. SHINE discussed its approach to developing the operating license application supplement. SHINE also presented which final safety analysis report chapters would be impacted by the proposed phased approach. In addition, SHINE stated its proposed licensing path for the phased approach. Throughout the meeting, the NRC staff asked clarifying questions to better understand the phased approach. During the closed portion of the meeting, SHINE provided additional proprietary detail related to the impact of the phased approach.

Please direct any inquiries to me at 301-415-0293, or at [Molly-Kate.Gavello@nrc.gov](mailto:Molly-Kate.Gavello@nrc.gov).

A handwritten signature in cursive script that reads "Molly-Kate Gavello".

Signed by Gavello, Molly-Kate  
on 05/03/22

Molly-Kate Gavello, 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

Enclosure:  
As stated

cc w/enclosure: See next page

Shine Medical Technologies, LLC

Docket No. 50-608

cc:

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Licensing Manager  
SHINE Technologies, LLC  
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Janesville, WI 53546

Nathan Schleifer  
General Counsel  
SHINE Technologies, LLC  
3400 Innovation Court  
Janesville, WI 53546

Christopher Landers  
Director, Office of Conversion  
National Nuclear Security Administration,  
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U.S. Department of Energy  
1000 Independence Ave SW  
Washington, DC 20585

Mark Paulson, Supervisor  
Radiation Protection Section  
Wisconsin Department of Health Services  
P.O. Box 2659  
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  
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Bill McCoy  
1326 Putnam Avenue  
Janesville, WI 53546

Alfred Lembrich  
541 Miller Avenue  
Janesville, WI 53548

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

SUBJECT: SUMMARY OF JANUARY 20, 2022, MEETING WITH SHINE MEDICAL TECHNOLOGIES, LLC (EPID NO. L-2019-NEW-0004) DATED: MAY 3, 2022

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JBorromeo, NRR

MBalazik, NRR

HCruz, NRR

NParker, NRR

ADAMS Accession Nos.: ML21347A082 Public Meeting Notice;  
ML22110A209 Public Meeting Presentation;  
ML22118A854 Public Meeting Summary;  
ML22110A208 Package

NRC-001

OFFICE	NRR/DANU/UNPL/PM	NRR/DANU/UNPL/LA	NRR/DANU/UNPL/BC	NRR/DANU/UNPL/PM
NAME	MGavello	NParker	JBorromeo	MGavello
DATE	4/28/2022	4/28/2022	5/3/2022	5/3/2022

OFFICIAL RECORD COPY

## LIST OF ATTENDEES

JANUARY 20, 2022, MEETING WITH SHINE MEDICAL TECHNOLOGIES, LLC

1:00 P.M. - 3:00 P.M.

<u>Name</u>	<u>Organization</u>
Adam Rau	U.S. Nuclear Regulatory Commission
Andrea Kock	U.S. Nuclear Regulatory Commission
Beth Reed	U.S. Nuclear Regulatory Commission
Brannen Adkins	U.S. Nuclear Regulatory Commission
Brian Green	U.S. Nuclear Regulatory Commission
Brian Wittick	U.S. Nuclear Regulatory Commission
Caroline Hsu	U.S. Nuclear Regulatory Commission
Charles Kreuzberger	U.S. Nuclear Regulatory Commission
Charles Teal	U.S. Nuclear Regulatory Commission
Christopher Brown	U.S. Nuclear Regulatory Commission
Dan Warner	U.S. Nuclear Regulatory Commission
David Heeszal	U.S. Nuclear Regulatory Commission
Dinesh Taneja	U.S. Nuclear Regulatory Commission
Duane Hardesty	U.S. Nuclear Regulatory Commission
Edward Robinson	U.S. Nuclear Regulatory Commission
Elijah Dickson	U.S. Nuclear Regulatory Commission
Glenn Tuttle	U.S. Nuclear Regulatory Commission
Gordon Curran	U.S. Nuclear Regulatory Commission
Holly Cruz	U.S. Nuclear Regulatory Commission
Ian Tseng	U.S. Nuclear Regulatory Commission
James Chang	U.S. Nuclear Regulatory Commission
James Hammelman	U.S. Nuclear Regulatory Commission
James Maltese	U.S. Nuclear Regulatory Commission
Jason White	U.S. Nuclear Regulatory Commission
Jay Robinson	U.S. Nuclear Regulatory Commission
Jennifer Davis	U.S. Nuclear Regulatory Commission
Jennifer Tobin	U.S. Nuclear Regulatory Commission
Jeremy Munson	U.S. Nuclear Regulatory Commission
Jeremy Wachutka	U.S. Nuclear Regulatory Commission
Jesse Seymour	U.S. Nuclear Regulatory Commission
Jessie Quichocho	U.S. Nuclear Regulatory Commission
Jorge Cintron-Rivera	U.S. Nuclear Regulatory Commission
Joseph Colaccino	U.S. Nuclear Regulatory Commission
Joseph McManus	U.S. Nuclear Regulatory Commission
Joseph Staudenmeier	U.S. Nuclear Regulatory Commission
Joshua Borromeo	U.S. Nuclear Regulatory Commission
Kerri Kavanagh	U.S. Nuclear Regulatory Commission
Kevin Folk	U.S. Nuclear Regulatory Commission
Lance Rakovan	U.S. Nuclear Regulatory Commission
Michael Balazik	U.S. Nuclear Regulatory Commission
Michael Salay	U.S. Nuclear Regulatory Commission
Michael Waters	U.S. Nuclear Regulatory Commission
Michelle Romano	U.S. Nuclear Regulatory Commission

Enclosure

Mike Call	U.S. Nuclear Regulatory Commission
Molly-Kate Gavello	U.S. Nuclear Regulatory Commission
Naeem Iqbal	U.S. Nuclear Regulatory Commission
Nancy Martinez	U.S. Nuclear Regulatory Commission
Nathanael Hudson	U.S. Nuclear Regulatory Commission
Nicolas Mertz	U.S. Nuclear Regulatory Commission
Norbert Carte	U.S. Nuclear Regulatory Commission
Phyllis Clark	U.S. Nuclear Regulatory Commission
Robert Hoffman	U.S. Nuclear Regulatory Commission
Robert Williams	U.S. Nuclear Regulatory Commission
Shaun Anderson	U.S. Nuclear Regulatory Commission
Sheila Ray	U.S. Nuclear Regulatory Commission
Steve Jones	U.S. Nuclear Regulatory Commission
Steven Lynch	U.S. Nuclear Regulatory Commission
Tarek Zaki	U.S. Nuclear Regulatory Commission
Tim Harris	U.S. Nuclear Regulatory Commission
Trent Wertz	U.S. Nuclear Regulatory Commission
William Rautzen	U.S. Nuclear Regulatory Commission
Yawar Faraz	U.S. Nuclear Regulatory Commission
Zachary Gran	U.S. Nuclear Regulatory Commission
Abbey Donahue	SHINE Medical Technologies, LLC
Alexander Newell	SHINE Medical Technologies, LLC
Alisa McClelland	SHINE Medical Technologies, LLC
Bobby Slater	SHINE Medical Technologies, LLC
Daniel Arizaga	SHINE Medical Technologies, LLC
Ian Soderling	SHINE Medical Technologies, LLC
Jamie Getchius	SHINE Medical Technologies, LLC
Jeff Bartelme	SHINE Medical Technologies, LLC
Jim Costedio	SHINE Medical Technologies, LLC
Mark Johnson	SHINE Medical Technologies, LLC
Ryan Wendling	SHINE Medical Technologies, LLC
Thomas Drury	SHINE Medical Technologies, LLC
Tracy Radel	SHINE Medical Technologies, LLC
Anthony Palumbo	SHINE Medical Technologies, LLC
Gregg Clarkson	Rock Creek Innovations
Michael Grochowski	Atomic Alchemy, Inc.
Thomas Eiden	Atomic Alchemy, Inc.