



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

May 20, 2019

Gregory Piefer, Ph.D.
Chief Executive Officer
SHINE Medical Technologies, Inc.
101 E. Milwaukee Street, Suite 600
Janesville, WI 53545

**SUBJECT: SHINE MEDICAL TECHNOLOGIES, INC. – ORDER APPROVING INDIRECT
TRANSFER OF AND CONFORMING AMENDMENT TO CONSTRUCTION
PERMIT NO. CPMIF-001 (EPID NO. L-2018-LLM-0154)**

Dear Dr. Piefer:

The U.S. Nuclear Regulatory Commission (NRC) staff has completed its review of the SHINE Medical Technologies, Inc. (SHINE) application dated December 11, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18347A215), as supplemented by letter dated March 8, 2019 (ADAMS Accession No. ML19071A055), requesting approval of the proposed indirect transfer of Construction Permit No. CPMIF-001 for the SHINE Medical Isotope Production Facility, currently held by SHINE. The indirect transfer would result from the establishment of a holding company, Illuminated Holdings, Inc. (Illuminated). SHINE also requested that the NRC approve a conforming amendment to the construction permit to reflect that this transfer would result in SHINE converting from a corporation into a single-member limited liability company, SHINE Medical Technologies, LLC (SHINE LLC), owned and controlled by Illuminated.

Enclosure 1 is the Order that approves the proposed indirect license transfer pursuant to 10 CFR 50.80, "Transfer of licenses," and approves the conforming license amendment pursuant to 10 CFR 50.92, "Issuance of amendment." Enclosure 2 is the conforming license amendment, which will be issued and made effective at the time the transfer is consummated.

Enclosure 3 is the non-proprietary (redacted) version of the NRC staff's safety evaluation (SE) for the indirect transfer and conforming license amendment, and Enclosure 4 is the proprietary version of the SE. The non-proprietary version of the SE will be placed in the NRC public document room and added to the ADAMS Publicly Available Records System Library.

**NOTE: ENCLOSURE 4 TRANSMITTED HERewith CONTAINS OFFICIAL USE ONLY – PROPRIETARY
INFORMATION. WHEN SEPARATED FROM ENCLOSURE 4, THIS DOCUMENT IS DECONTROLLED.**

G. Piefer

- 2 -

The Order has been forwarded to the Office of the Federal Register for publication. If you have any questions, please contact me at 301-415-1524, or by electronic mail at Steven.Lynch@nrc.gov.

Sincerely,

R/A

Steven Lynch, Project Manager
Research and Test Reactors Licensing Branch
Division of Licensing Projects
Office of Nuclear Reactor Regulation

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

Enclosures:

1. Order
2. Conforming License Amendment to CPMIF-001
3. Safety Evaluation (Non-proprietary version)
4. Safety Evaluation (Proprietary version)

cc w/ Enclosures 1, 2, and 3 only: See next page

SHINE Medical Technologies, Inc.

Docket No. 50-608

cc:

Jeff Bartelme
Licensing Manager
SHINE Medical Technologies, Inc.
101 E. Milwaukee Street, Suite 600
Janesville, WI 53545

Christopher Landers
Director, Office of Conversion
National Nuclear Security Administration,
NA-23
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 Dr.
College Park, MD 20742-2115

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

Bill McCoy
1326 Putnam Avenue
Janesville, WI 53546

Alfred Lembrich
541 Miller Avenue
Janesville, WI 53548

Gerald and Muriel Bumgarner
1735 S Osborne Ave
Janesville, WI 53546

G. Piefer

- 3 -

SUBJECT: SHINE MEDICAL TECHNOLOGIES, INC. – ORDER APPROVING INDIRECT TRANSFER OF AND CONFORMING AMENDMENT TO CONSTRUCTION PERMIT NO. CPMIF-001 (EPID NO. L-2018-LLM-0154) DATE: MAY 20, 2019

DISTRIBUTION:

PUBLIC	RidsNrrDlpProb	NParker, NRR
RidsACRS_MailCTR	RidsNrrDlpPrlb	SLynch, NRR
RidsOgcMailCenter	WKennedy, NRR	LTran, NRR
RidsOpaMailCenter	MBalazik, NRR	PRLB r/f

ADAMS Accession Nos.: ML19102A323 -Ltr.; ML19102A324 -Encl. 1; ML19102A322 -Encl. 2; ML19102A326 Encl. 3; ML19102A325 -Encl. 4; ML19102A321 -Pkg.; *concurrent via e-mail NRR-106

OFFICE	NRR/DLP/PRLB/PM	NRR/DLP/PRLB/LA*	OGC*	NRR/DLP/PFPB/BC
NAME	SLynch	NParker	JWachutka	ABowers (RTurtill <i>for</i>)
DATE	4/12/2019	4/24/2019	5/26/2019	5/10/2019
OFFICE	NRR/DLP/PRLB/ABC	NRR/DLP/DDD	NRR/DLP/PRLB/PM	
NAME	WKennedy	TBloomer	SLynch	
DATE	5/15/2019	5/20/2019	5/20/2019	

OFFICIAL RECORD COPY