



**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

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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](mailto: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:

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SHINE Medical Technologies, Inc.  
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Test, Research and Training  
Reactor Newsletter  
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G. Piefer

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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

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**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**

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