

## UNITED STATES NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 5, 2023

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

SUBJECT: SHINE TECHNOLOGIES, LLC - REVIEW OF THE PHYSICAL SECURITY PLAN

IN SUPPORT OF AN OPERATING LICENSE FOR A MEDICAL RADIOISOTOPE

PRODUCTION FACILITY

Dear Dr. Piefer:

By letter dated July 17, 2019 (Agencywide Documents Access and Management System Accession No. (ML19200A030 – cover letter only), supplemented by letter dated October 30, 2020 (ML20311A124 – cover letter only), revised by letter dated April 30, 2021 (ML21130A632 – cover letter only), and as revised by letter dated October 12, 2021 (ML21287A016 – cover letter only), SHINE Technologies, LLC (SHINE) submitted the physical security plan (PSP) for the protection of special nuclear material (SNM) for the SHINE Medical Isotope Production Facility.

As part of the operating license application review, the U.S. Nuclear Regulatory Commission (NRC) staff reviewed and evaluated SHINE's PSP dated October 12, 2021. Based on its review, the NRC staff has determined that SHINE's PSP, titled "SHINE Physical Security Plan," Revision 2, dated October 12, 2021, is in compliance with the applicable regulations contained in Title 10 of the *Code of Federal Regulations* Part 73, "Physical Protection of Plants and Materials," referenced in Regulatory Guide 5.59, "Standard Format and Content for a Licensee Physical Security Plan for the Protection of Special Nuclear Material of Moderate or Low Strategic Significance."

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The implementation of SHINE's PSP should be completed to allow NRC inspection prior to SHINE receiving SNM onsite. If you have any questions regarding the NRC staff's review, please contact me at 301-415-2856, or via email at <a href="Michael.Balazik@nrc.gov">Michael.Balazik@nrc.gov</a>.

Sincerely,

Michael Signed by Balazik, Michael on 04/05/23

Michael F. Balazik, 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

cc: See next page

CC:

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PRODUCTION FACILITY DATED: APRIL 5, 2023

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