

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

SHINE MEDICAL TECHNOLOGIES, INC.

(Medical Radioisotope Production Facility)

Docket No. 50-608-CP

ORDER

(Transmitting Post-Hearing Questions)

On December 15, 2015, the Commission held an evidentiary hearing in this uncontested proceeding. SHINE Medical Technologies, Inc. and the NRC Staff should file written responses to the post-hearing questions listed in the table below no later than **December 30, 2015**. The responses should be filed as exhibits, using the previously-established numbering scheme. The parties should consult prior to filing their responses and indicate whether there are any objections to admitting the new exhibits into the record. Absent objection, the new exhibits will be admitted. This order is issued pursuant to my authority under 10 C.F.R. § 2.346(a) and (j).

No.	Category	Subject	Directed to	Question
1	Safety and Environmental	General	Staff	Please provide an estimate of the total number of hours the Staff spent reviewing the application for a construction permit from SHINE Medical Technologies and engaging in other activities directly in support of this review.
2	Safety	Thermal-Hydraulics, PSAR Section 13a2.1.2.2.3, Pre-Hearing Question 41	Applicant	In its response to pre-hearing Question 41, SHINE described the bulk effects of a dilution event caused by a breach between the target solution vessel and the primary closed-loop cooling system. Has SHINE considered what would happen locally at the leak location? How would this affect the local reactivity until the solution is well mixed? Will the SHINE leak detection systems identify a slow leak in a reasonable time?

IT IS SO ORDERED.

For the Commission

NRC SEAL

/RA/

Annette L. Vietti-Cook
Secretary of the Commission

Dated at Rockville, Maryland,
this 21st day of December, 2015.

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NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
SHINE Medical Technologies, Inc.) Docket No. 50-608-CP
)
(Mandatory Hearing))

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing **ORDER (Transmitting Post-Hearing Questions)** have been served upon the following persons by the Electronic Information Exchange.

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[Original signed by Clara Sola]
Office of the Secretary of the Commission

Dated at Rockville, Maryland
this 21st day of December, 2015