



June 22, 2017

SMT-2017-031

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

References: (1) SHINE Medical Technologies, Inc. letter to NRC, "SHINE Medical Technologies, Inc. Request for Confirmation Related to a Proposed Demonstration Project," dated March 17, 2017 (ML17079A503)

Supplement to SHINE Medical Technologies, Inc. Request for Confirmation
Related to a Proposed Demonstration Project

Via Reference (1), SHINE Medical Technologies, Inc. (SHINE) provided the NRC with a technical description of a proposed demonstration unit and a regulatory evaluation supporting the SHINE conclusion that the proposed demonstration unit does not meet the 10 CFR 50.2 definition of "utilization facility" for docket number 50-608. SHINE requested NRC staff confirmation that the proposed demonstration unit does not meet the 10 CFR 50.2 definition of "utilization facility" for docket number 50-608.

During a June 21, 2017 phone call between SHINE and the NRC, the NRC requested supplemental information from SHINE regarding the expected enrichment of the uranium solution to be irradiated in the proposed demonstration unit. The enriched uranium solution to be irradiated in the proposed demonstration unit will use low enriched uranium (i.e., enriched to less than 20 wt. % ²³⁵U).

If you have any questions, please contact me at 608/210-1735.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Jeff M. Bartelme', written in a cursive style.

Jeff Bartelme
Licensing Manager
SHINE Medical Technologies, Inc.
Docket No. 50-608

cc: Project Manager, USNRC
Supervisor, Radioactive Materials Program, Wisconsin Division of Public Health