

Proposed Action Request #5

Please provide a high-level non-proprietary schematic that visually describes the overall isotope production process. Please include target solution loading, tritium target loading, accelerator startup, chemical adjustment, off-gas removal, heat removal/dissipation, target solution removal, product separation, recycle of target solution, cleanup of target solution, removal of solid/liquid/gaseous discharges, and other relevant process steps that show input and output of resources and wastes.

SHINE Response

Upon further review, SHINE determined that the benefits of the greater transparency afforded by releasing Figure 19.2.2-1 to the public outweigh the potential harm caused to the company. The proprietary marking has been removed from the figure. Attachment 18 provides Figure 19.2.2-1, Revision 1, a high-level non-proprietary schematic that visually describes the overall isotope production process. An Issues Management Report (IMR) has been issued to address this change to Figure 19.2.2-1 of the ER.

SHINE requests the NRC replace Revision 0 of Figure 19.2.2-1 provided in Part One of the SHINE Medical Technologies, Inc. Application for Construction Permit (Reference 2) with Revision 1 of Figure 19.2.2-1, provided in Attachment 18.