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for the U.S. Department of Energy

Memo

Date: July 7, 2016
To: John Hill
From: Robert J. Lee, NSLS-II ESH Manager *R. Lee 7-7-16*
Subject: Recommendation to Authorize Start of Commissioning of 4-ID, ISR Beamline

As you are aware on June 28 - 29 IRRs were performed for the ISR beamline located at 4-ID, XFP located at 17-BM, and ESM located at 21-ID. The review team was comprised of T. Nehring (MPO), M. Gaffney (SHSD), C. Schaefer (RCD), A. Etkin (C-AD), L. Wiegart (NSLS-II), E. Blum (NSLS-II) and E. Cheswick (QMO). The review was facilitated by A. Ackerman of NSLS-II. The Instrument Readiness Plan (IRP) was used as the basis for the review.

There were no prestart findings identified for the ISR beamline located at 4-ID during this review; consequently, the beamline is ready to begin commissioning. Note, the secondary bremsstrahlung shield has not been installed which limits this beamline operation to a maximum stored beam current of 400 mA. Installation of the shield is expected to be complete before the accelerator achieves this stored beam current for beamline operations. Installation of the shield will be tracked in ATS as a post-start finding.

In accordance with our IRR Procedure [PS-C-ESH-PRC-001] Steve Hulbert, the Technical Authority for the 4-ID IRP, has affirmed that the IRP has been fully implemented and the beamline is ready to begin commissioning. I have concurred with this declaration. The plan has also been signed by Ed Cheswick as the IRR team Quality Assurance Representative as affirmation that there were no prestart actions identified during this review. Based upon the successful IRR and full implementation of the IRP, I am recommending that you authorize commissioning of the Cell 4-ID (ISR) beamline. Post start findings from the review are being finalized and will be addressed as soon as practicable. Commissioning will proceed in accordance with the ISR technical commissioning plan and the ISR Radiation Survey Plan. Progression for commissioning the beamline will also be governed by the NSLS-II procedure NSLS-II Beamlines Radiation Safety Commissioning Plan (PS-C-XFD-PRC-004) which assures commissioning is completed in a safe, secure and environmentally sound manner.

If there are any questions pertaining to this matter, or if you would like to review any of the associated documentation, please contact me.

Dist.	A. Ackerman	M. Bebon	M. Benmerrouche	K. Evans-Lutterodt
	S. Hulbert	E. Johnson	M. Lucas	G. Mattson
	S. Moss	C. Nelson	P. Sullivan, BHSO	F. Willeke
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cc: K. Rubino
A. Shoemaker-Skokov