



Memo

Date: May 1, 2009
To: S. LaMontagne
From: M. Davis, NEPA/NHPA Coordinator 
Subject: NEPA Review – RHIC Electron Lenses

I have reviewed the documentation associated with the following RHIC facility project, as required by 10 CFR 1021, DOE's Rules for Implementing the National Environmental Policy Act.

RHIC Electron Lenses (ADS: AA8D0008): This project installs two electron lenses consisting of 6 T superconducting solenoids (about 2 m long) through which a low energy (10 keV) electron beam is transported. Both lenses will be installed in the RHIC tunnel, left and right of IP10, which is the location previously used by the PHOBOS experiment. This action would be performed within existing RHIC structures. There will be no airborne emissions, or liquid release, hazardous waste, or dispersible radioactivity or other environmental hazards associated with this project.

The proposed project represents enhancements/system optimization to an existing facility. It is my opinion that the proposed actions fall within the scope of the RHIC Environmental Assessment, DOE EA #0508. This review has been coordinated with C. Polanish, NEPA Coordinator for the DOE Brookhaven Site Office. Please keep in mind that should the scope of the project change, it would need to be resubmitted for NEPA review. If you have questions about this review please do not hesitate to contact me at extension 2165.

cc: W. Fischer, G. Goode, T. Green, R. Lee, E. Lessard, C. Polanish (DOE-BHSO), M. Van Essendelft
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