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 for the U.S. Department of Energy

# Memo

**Date:** May 3, 2016  
**To:** E. O'Brien  
**From:** J. Higbie *Joseph L. Higbie*  
**Subject:** NEPA Review of Proposal – sPHENIX Project

I have reviewed the following proposal as required by 10 CFR 1021, DOE's Rules for Implementing the National Environmental Policy Act.

- "sPHENIX Project"; BNL PI: E. O'Brien.

The scope of the proposed actions is included in the EENF sPHENIX project submitted to DOE for review on April 21, 2016. It includes the decommissioning of PHENIX and the development of sPHENIX. Additional aspects include:

<input checked="" type="checkbox"/> Utilizes existing controls and procedures	<input type="checkbox"/> Continuation of existing experiment / program.	<input checked="" type="checkbox"/> Similar to research previously performed at BNL	<input checked="" type="checkbox"/> Utilizes existing facilities/equipment.
<input checked="" type="checkbox"/> BNL processes & procedures exist to manage waste generation/disposal	<input type="checkbox"/> Consists primarily of information gathering, data analysis, technical advice to organizations	<input type="checkbox"/> Bench-scale analysis of samples	Location(s): <input type="checkbox"/> Biology Department <input type="checkbox"/> Medical Department <input type="checkbox"/> Chemistry Department
<input type="checkbox"/> Utilizes standard biochemical and molecular biology procedures	<input type="checkbox"/> Utilizes approved Life Sciences protocols reviewed by appropriate committee: IBS, IACUC		<input checked="" type="checkbox"/> Collider-Accelerator Department <input type="checkbox"/> NSLS II beamline <input type="checkbox"/> NSRL beamline <input type="checkbox"/> AGS beamline

The proposed action falls within the types of research and collaborations that have historically been part of BNL's mission and is within the scope of the December 1991 Environmental Assessment for the Relativistic Heavy Ion Collider, 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 a 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 5919.

cc: D. Bauer, F. Craner, T. Green, E. Lessard, J. Mills, C. Polanish, (DOE-BHSO), J. Remien, M. Theisen