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 for the U.S. Department of Energy

Memo

Date: April 14, 2016
To: V. Coccorese
From: J. Higbie *Jennifer L. Higbie*
Subject: NEPA Review of Proposal – NF-16-20

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

- NF-16-20 “High-Energy X-Ray Diffraction (HEX) Beamline”; Sponsor: Empire State Development Corp. (ESD); BNL E. Johnson.

The scope of the proposed action is to design, consult, and commission a new High-Energy X-Ray Diffraction (HEX) Beamline for materials engineering and battery research at NSLS-II. 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"/> Photon Sciences <input checked="" type="checkbox"/> NSLS II beamline <input type="checkbox"/> NSRL beamline <input type="checkbox"/> AGS beamline

The proposed action falls within the scope of the July 2012 Generic WFO/CRADA/PIQ BNL-520 categorical exclusion and the October 2006 Environmental Assessment for NSLS-II, DOE/EA-1558. 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, T. Green, R. Lee, C. Polanish, (DOE-BHSO), J. Remien, M. Theisen
 EC51ER.16