U.S. Department of Energy
Finding of No Significant Impact

Alternating Gradient Synchrotron (AGS) Complex, Upgrades for Continued Operation

Brookhaven National Laboratory
Upton, New York

AGENCY: U.S. Department of Energy (DOE)

ACTION: Finding of No Significant Impact (FONSI)

SUMMARY:

The U.S. Department of Energy conducted an Environmental Assessment (EA), DOE/EA-2010, which analyzed the potential impacts associated with upgrading the AGS Complex at Brookhaven National Laboratory (BNL). All discussion, analysis, and findings related to the potential impacts of the proposed action are documented in the Final EA. The Final EA is hereby incorporated by reference.

The selected alternative includes upgrading the Accelerator Test Facility to 10 GeV by adding laser acceleration, upgrading the Linac proton beam current, upgrading the facilities to produce and refine radiopharmaceuticals, modifying the AGS ring enclosure through the addition of a second accelerator to measure the Electric Dipole Moment of the proton, and other renovations to allow continued operation for the next 20 years.

In accordance with applicable regulations and policies, DOE sent the draft EA to New York State, in particular the New York State Governor's Office and New York State Department of Environmental Conservation for review and comment. It was also sent to the Environmental Protection Agency for their information. Comments were considered and addressed where appropriate in the final EA.

DETERMINATION:

Based on the information and analysis contained in DOE/EA-2010 and considering the significance criteria in 40 CFR 1508.27, I have determined that the project to upgrade the AGS Complex at BNL will not have a significant adverse effect on the quality of the human environment within the meaning of the National Environmental Policy Act of 1969. Therefore, an Environmental Impact Statement is not required.

Public Availability:

Copies of this EA are available from:

Caroline Polanish
Document Manager
U.S. Department of Energy
Brookhaven Site Office
P.O. Box 5000
Upton, NY 11973-5000

Telephone: (631) 344-5224

On the DOE web site at:

http://energy.gov/nepa/nepa-documents/environmental-assessments-ea

For further information regarding the DOE National Environmental Policy Act (NEPA) process, contact:

Caroline Polanish
NEPA Compliance Officer
U.S. Department of Energy
Brookhaven Site Office
P.O. Box 5000
Upton, NY 11973-5000

Telephone: (631) 344-5224

Issued in Upton, New York this 24 day of June 2016.

Frank Crescenzo, Site Manager
Office of Science
Brookhaven Site Office