

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

**Construction and Operation of the
Clinical Alpha Radionuclide Production Facility**

**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 (DOE) conducted an Environmental Assessment (EA), DOE/EA-2210, which analyzed the potential impacts associated with construction and operation of the Clinical Alpha Radionuclide Production (CARP) facility 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 is the conversion of Building 870 for radioisotope production. To ensure long-term operational success of the CARP facility, modification and upgrades include but are not limited to: replacement of the Heating, Ventilation and Air Conditioning system and electrical system; installation of a new exhaust system, building controls and security system, fire service main, potable water and sanitary lines, diesel backup generator and a new building to house components of the exhaust system; upgrades to the fire detection/suppression system; and construction of hot cells and associated equipment.

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, New York State Department of Environmental Conservation, and the State Historic Preservation Office for review and comment. Comments were considered and addressed where appropriate in the final EA.

DETERMINATION:

Based on the information and analysis contained in DOE/EA-2210 and considering the significance criteria in 40 CFR 1508.27, I have determined that the project to construct and operate the Clinical Alpha Radionuclide Production Facility 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 (NEPA) of 1969. Therefore, an Environmental Impact Statement is not required.

Public Availability:

Copies of this EA are available from:

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On the DOE website at:

<https://www.energy.gov/nepa/doe-environmental-assessments>

For further information regarding the DOE NEPA process, contact:

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Issued in Upton, New York this **15th** day of **February 2024**.

**ROBERT
GORDON**

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Robert P. Gordon,
Manager
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