

**U. S. DEPARTMENT OF ENERGY
OFFICE OF SCIENCE**

**NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)
ENVIRONMENTAL EVALUATION NOTIFICATION FORM**

To be completed by "financial assistance award" organization receiving Federal funding. For assistance (including a point of contact), see "Instructions for Preparing SC F-560, Environmental Evaluation Notification Form".

Solicitation/Award No. (if applicable):

Organization Lawrence Berkeley National Laboratory

Name:

Title of Proposed Project/Research: Installation of a Prefabricated 130 SQFT Building Adjacent to Building 67 at the Lawrence Berkeley National Laboratory

Total DOE Funding/Total Project Funding: \$136,000

I. Project Description (use additional pages as necessary):

A Proposed Project/Action (delineate Federally funded/Non-Federally funded portions)

The Department of Energy (DOE) proposes to install a prefabricated approximately 130 SQFT building on a newly constructed concrete pad adjacent to Building 67 on LBNL. The building would store chemical and hazardous waste in support of Building 67. The building would have secondary containment, 120V emergency power circuitry, Fire Alarm/Low Voltage conduit, cabling and tie-in, single card reader, fire sprinkler piping and sprinkler heads. The building would store chemicals, including acids, bases and solvents. The building would also store for up to 90-days, hazardous waste possibly containing engineered nanomaterials including acids, bases and solvents. All material inside the building would be stored in accordance with California Fire and Building codes. No radioactive materials would be stored in the building.

Purpose and Need:

It has been determined that the hazardous waste chemical storage resources built into the building 67, are insufficient, resulting in both unsafe conditions in the building and loss of usable lab space to waste storage. The potential exists to exceed the fire code limits, which is a violation of the safety basis envelope for the facility. This storage facility would allow both excess hazardous waste chemicals and additional incoming chemicals to be stored safely outside of the building. It would make it much more efficient for EH&S waste technicians to find and remove waste containers.

B. Would the project proceed without Federal funding?

Yes No

If "yes", describe the impact to the scope:

II. Description of Affected Environment:

The building would be located adjacent to building 67 loading dock on previously disturbed ground.

III. Preliminary Questions:

- | | | |
|---|--------------------------|-------------------------------------|
| | Yes | No |
| A. <u>Is the DOE-funded work <i>entirely</i> a “paper study”?</u> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If “Yes”, ensure that the description in Section I reflects this and go directly to Section V.

- | | | |
|--|-------------------------------------|--------------------------|
| B. <u>Would the work to be performed include work that would take place <i>outside</i> existing buildings?</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|-------------------------------------|--------------------------|

And:

- | | | |
|---|-------------------------------------|-------------------------------------|
| 1. Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Require the siting, construction or major expansion of waste treatment, storage, or disposal facilities? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Disturb hazardous substances, pollutants, or contaminants preexisting in the environment? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Adversely affect environmentally-sensitive resources identified in Section IV.A.? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Be connected to another existing/proposed activity that could potentially create a cumulatively significant impact? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Have an inherent <i>possibility</i> for high consequence impacts to human health or the environment (e.g., Biosafety Level 3-4 laboratories, activities involving high levels of radiation)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If “No” to Question III.B. and ALL six subsequent questions, ensure the descriptions in Sections I and II reflect this and go directly to Section V.

IV. Potential Environmental Effects:

Attach/insert an explanation for each “Yes” response.

- A. Sensitive Resources: Would the proposed action result in changes and/or disturbances to any of the following resources?

- | | | |
|---|--------------------------|-------------------------------------|
| | Yes | No |
| 1. Threatened/Endangered Species and/or Critical Habitats | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Other Protected Species (e.g., Burros, Migratory Birds) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Sensitive Environments (e.g., Tundra/Coral Reefs/Rain Forests) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Archaeological/Historic Resources | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Important Farmland | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Non-Attainment Areas for Ambient Air Quality Standards LBNL is in Bay Area Air Quality Basin, which is in federal non-attainment for Ozone and | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

state non-attainment for ozone, PM10, and PM2.5. However, operational impacts would be well below significance thresholds and would not be cumulatively considerable contributions, and construction impacts would be sufficiently mitigated by adherence to Bay Area Air Quality Management District construction practices.

- | | | | |
|-----|--|--------------------------|-------------------------------------|
| 7. | Class I Air Quality Control Region | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. | Special Sources of Groundwater (e.g. Sole Source Aquifer) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9. | Navigable Air Space | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. | Coastal Zones | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11. | Areas with Special National Designation (e.g. National Forests, Parks, Trails) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. | Floodplains and Wetlands | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

B. Regulated Substances/Activities: Would the proposed action involve any of the following regulated items or activities?

- | | Yes | No |
|---|--------------------------|-------------------------------------|
| 13. Natural Resource Damage Assessments | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14. Exotic Organisms | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15. Noxious Weeds | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 16. Clearing or Excavation (indicate if greater than one acre) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17. Dredge or Fill (under Clean Water Act, Section 404, indicate if greater than ten acres) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

B. Regulated Substances/Activities: Would the proposed action involve any of the following regulated Items or activities? (continued)

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 18. Noise (in excess of regulations) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 19. Asbestos Removal | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 20. PCB's | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 21. Import, Manufacture, or Processing of Toxic Substances | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 22. Chemical Storage/Use The building would contain up to 240 gallons of liquids and 250 pounds of solids. DOE/EA 1441 Final Environmental Assessment for the Construction and Operation of The Molecular Foundry and the FONSI address the use of chemicals in building 67. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 23. Pesticide Use | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 24. Hazardous, Toxic, or Criteria Pollutant Air Emissions. All containers in the building would be closed except when filling the containers. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 25. Liquid Effluents | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 26. Underground Injection | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 27. Hazardous Waste and Chemicals The building would contain up to 240 gallons of liquids and 250 pounds of solids. DOE/EA 1441 Final Environmental Assessment for the Construction and Operation of The Molecular Foundry and the FONSI address hazardous waste generated in building 67. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 28. Underground Storage Tanks | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 29. Radioactive Mixed Waste | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 30. Radioactive Waste | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 31. Radiation Exposure | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 32. Surface Water Protection. The building would have secondary containment. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 33. Pollution Prevention Act | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 34. Ozone Depleting Substances | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- 35. Off-Road Vehicles
- 36. Biosafety Level 3-4 Laboratory

C. Other Relevant Information: Would the proposed action involve the following?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| 37. Potential Violation of Environment, Safety, or Health Regulations/Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 38. Siting/Construction/Major Modification of Waste Recovery, or Waste Treatment, Storage, or Disposal Facilities | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 39. Disturbance of Pre-existing Contamination | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 40. New or Modified Federal/State Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 41. Public Controversy | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 42. Environmental Justice | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 43. Action/Involvement of Another Federal Agency (e.g. license, funding, approval) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 44. Action of a State Agency in a State with NEPA-type law. The State of California Environmental Quality Review Act does apply | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 45. Public Utilities/Services
Minor amounts of water and electricity would be consumed. No adverse impacts to existing services. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 46. Depletion of a Non-Renewable Resource | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 47. Extraordinary Circumstances | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 48. Connected Actions | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 49. Exclusively Bench-top Research | <input type="checkbox"/> | N/A |
| 50. Only a Laboratory Setting The building would be located within LBNL and would operate under the existing LBNL permits. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

V. M & O Contract Organization Concurrence:

A. Organization Official (Name and Title): Jeff Philliber, LBNL Environmental Planner

Signature:  Date: 3-23-11

e-mail: jgphilliber@lbl.gov

B. Optional Concurrence (Name and Title):

Signature: _____ Date: _____

e-mail: _____ Phone: _____

Remainder to be completed by SC

VI. SC Concurrence/Recommendation/Determination:

A. SC BSO:

Federal Project Director (Name and Title): Rick Chapman, Project Manager

Signature:

R. Chapman

Date: 3/23/11

e-mail: Rick.chapman@bso.science.doe.gov

B. SC NEPA Team Review:

Is the project/activity appropriate for a determination or a recommendation to the Head of the Field Organization by the NEPA Compliance Officer (NCO) under Subpart D of the DOE NEPA Regulations?

Yes

No

Specific class(es) of action from Appendices A-D to Subpart D (10 CFR 1021): B 6.4

Name and Title: Kim Abbott, NEPA Program Manger

Signature: *Kim Abbott*

Signature:

Date: 3/23/11

e-mail: Kim.abbott@bso.science.doe.gov

C. SC ISC Counsel (if necessary):

Name and Title:

Title:

Signature:

Date:

e-mail:

D. SC ISC Field Office NEPA Compliance Officer:

The preceding pages are a record of documentation required under DOE Final NEPA Regulation, 10 CFR 1021.400.

Action may be categorically excluded from further NEPA review. I have determined that the proposed action meets the requirements for Categorical Exclusion referenced above.

Action requires approval by Head of the Field Organization. Recommend preparation of an Environmental Assessment.

Action requires approval by Head of the Field Organization or a Secretarial Officer. Recommend preparation of an Environmental Impact Statement.

Comments/Limitations if necessary:

Name and Title: Gary Hartman, ORO NEPA Compliance Officer

Signature: *Gary S. Hartman*

Signature:

Date: 3/23/2011

Email: hartmangs@oro.doe.gov