

U. S. DEPARTMENT OF ENERGY, OFFICE OF SCIENCE  
INTEGRATED SUPPORT CENTER—CHICAGO OFFICE

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)  
ENVIRONMENTAL EVALUATION NOTIFICATION FORM

**To be completed by "Applicant," i.e., organization with responsibilities for a "Federal action" involving application to DOE for a permit, license, exemption or allocation, or other similar actions. For assistance with this Form, refer to "Instructions for Preparing ISC-CH F-560, Environmental Evaluation Notification Form."**

Solicitation/Award No. (if applicable): \_\_\_\_\_

Organization Name: \_\_\_\_\_

Proposed Action Title: \_\_\_\_\_

Total DOE Funding/Total Funding: \_\_\_\_\_

I. Project Description: **(Use explanation pages if additional space is required)**

A. Proposed Project/Action (if applicable, delineate Federally funded/Non-Federally funded portions)

B. Would the project proceed without Federal funding? Yes  No   
**If "yes," use explanation page.**

II. Description of Affected Environment: **(Use explanation pages if additional space is required)**

III. Preliminary Questions:

Yes No

- A.
- Is the DOE-funded work routinely administrative or *entirely* advisory or a “paper study?”

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

- B.
- Is there any potential whatsoever for: (*Provide an explanation for each “Yes” response*)

1. Work to be performed outdoors?
2. Major modification of a building interior?
3. Threat of violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health?
4. Siting, construction or major expansion of waste treatment, storage, or disposal facilities?
5. Disturbance to hazardous substances, pollutants, or contaminants preexisting in the environment?
6. The presence of any environmentally-sensitive resources?
7. Any potential whatsoever for high consequence impacts to human health or the environment?
8. The work being connected to another existing/proposed activity that could potentially create a significant impact?
9. Nearby past, present, and/or reasonably foreseeable future actions such that collectively significant impacts could result?
10. Scientific or public controversy, uncertainty over potential impacts, or conflicts regarding resource usage?

***If “No” to ALL Section III.B. questions, go directly to Section V.***IV. Potential Environmental Effects: (*Provide an explanation for each “Yes” response*)

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

Yes No

1. Threatened/Endangered Species and/or Critical Habitats
2. Other Protected Species (e.g., Burros, Migratory Birds, Pollinators)
3. Sensitive Environments (e.g., Tundra/Coral Reefs/Rain Forests)
4. Cultural or Historic Resources
5. Important Farmland
6. Non-Attainment Areas for Ambient Air Quality Standards
7. Class I Air Quality Control Region
8. Special Sources of Groundwater (e.g. Sole Source Aquifer)
9. Navigable Air Space
10. Coastal Zones
11. Areas with Special National Designation (e.g. National Forests, Parks, Trails)
12. Floodplains and/or Wetlands

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

13. Natural Resource Damage Assessments
14. Invasive Species or Exotic Organisms
15. Noxious Weeds
16. Clearing or Excavation greater than one acre or Removal of Trees Governed by Local Requirement
17. Dredge or Fill (under Clean Water Act, Section 404, greater than one acre)

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)                                  |     |    |
| 19. Asbestos Removal  |     |    |
| 20. Polychlorinated biphenyls (PCBs)                                  |     |    |
| 21. Import, Manufacture, or Processing of Toxic Substances            |     |    |
| 22. Chemical Storage/Use  |     |    |
| 23. Pesticide Use   |     |    |
| 24. Hazardous, Toxic, or Criteria Pollutant Air Emissions             |     |    |
| 25. Liquid Effluents  |     |    |
| 26. Spill Prevention/Surface Water Protection                         |     |    |
| 27. Underground Injection   |     |    |
| 28. Hazardous Waste   |     |    |
| 29. Underground Storage Tanks   |     |    |
| 30. Radioactive or Radioactive Mixed Waste                            |     |    |
| 31. Radiation Exposure  |     |    |
| 32. Nanoscale Materials   |     |    |
| 33. Genetically Engineered Microorganisms/Plants or Synthetic Biology |     |    |
| 34. Ozone Depleting Substances  |     |    |
| 35. Greenhouse Gas Generation/Sustainability                          |     |    |
| 36. Off-Road Vehicles   |     |    |
| 37. Biosafety Level 3-4 Laboratory                                    |     |    |
| 38. Research on Human Subjects or other Vertebrate Animals            |     |    |
| 39. Facility footprint exceeds 5,000 Square Feet                      |     |    |

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

- |  | Yes | No |
|--|-----|----|
| 40. Disproportionate Nearby Presence of Minority and/or Low Income Populations     |     |    |
| 41. Existing, Modified, or New Federal/State Permits                               |     |    |
| 42. Involvement of Another Federal Agency (e.g. license/permit, funding, approval) |     |    |
| 43. Action in a State with NEPA-type law   |     |    |
| 44. Expansion of Public Utilities/Services   |     |    |
| 45. Depletion of a Non-Renewable Resources   |     |    |
| 46. Subject to an Existing Institutional Work Planning and Control Process         |     |    |
| 47. Other Pertinent Information Which Could Impact Human Health or the Environment |     |    |

V. Applicant certification that to the best of their knowledge all information provided on this form is accurate:

Does this disclosure contain: classified, sensitive business, or other exempt information that DOE would not be obligated to disclose pursuant to the Freedom of Information Act.

	Yes	No
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A. Organization Official (Name and Title): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

B. Optional Secondary Approval (Name and Title): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

**Remainder to be completed by DOE**

VI. DOE Concurrence/Recommendation/Determination:

A. DOE Project Director/Program Manager or Contract/Grant Management Specialist:

	Yes	No
Has the Applicant completed this Form correctly?	<input type="checkbox"/>	<input type="checkbox"/>
Does an existing generic categorical exclusion apply?	<input type="checkbox"/>	<input type="checkbox"/>

If yes, indicate: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

B. DOE NEPA Team Review (if requested):

	Yes	No
Is the class of action identified in the DOE NEPA Regulations (Appendices A-D to Subpart D (10 CFR § 1021))?	<input type="checkbox"/>	<input type="checkbox"/>

If yes, specify the class(es) of action: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

C. DOE Counsel (if requested):

Name and Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

D. DOE NEPA Compliance Officer:

The preceding pages are a record of documentation required under DOE Final NEPA Regulation, 10 CFR § 1021.410.

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 any:

NEPA Compliance Officer:

Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Optional Additional Narrative: (add additional detail to description to Sections I and II or explanations to responses in Sections 3 and 4.

*DOE NEPA Tracking Number*

(Continued from ISC-CH F 560, NEPA Environmental Evaluation Notification Form)

#### B.24. Hazardous, Toxic, or Criteria Pollutant Air Emissions

The site-wide standby generator may require a construction permit and operating permit through the Iowa Department of Natural Resources Air Quality Division.

The on-site paint shop is used to repaint laboratory equipment and furniture. The spray booth is permitted per Iowa Administration Code 567 IAC Chapter 22. The spray booth is considered a minor Emissions source by the Iowa Department of Natural Resource – Air Quality Division.

#### B.26. Spill Prevention/Surface Water Protection

The Laboratory has established SPCC training for appropriate personnel and has an SPCC Plan 10200.037 for the facility.

The site-wide standby generator to be installed will include a diesel fuel tank that may require spill prevention controls and countermeasures (SPCC). The diesel fuel tank is intended to be installed inside an above-ground vault that meets SPCC and NFPA requirements.

#### B.28. Hazardous Waste

Small amounts of hazardous waste may be generated from painting and other maintenance activities. All chemical users and hazardous waste generators are required to take the Laboratory's Waste Generator Training. Hazardous waste is collected and disposed of according to Federal/State regulations and Laboratory procedures.

#### B.30. Radioactive Waste

Due to legacy contamination, renovation and routine maintenance activities may generate radioactive low-level waste (LLW). LLW is managed per DOE Order 435.1 and the Ames Laboratory procedures. ESH&A provides oversight during activities that could potential generate legacy LLW. Because radioactive material processing historically included beryllium, the potential exists that electrical wiring contaminated with beryllium may be removed during the renovation project and will be managed as beryllium contaminated material.

#### B.31. Radiation Exposures

Small amounts of low-level radioactive contamination may be encountered. Only trained personnel will be allowed to work on contaminated building components with oversight performed by Health Physics Personnel. Planned radiation exposures will follow 10 CFR 835 for workers and DOE O 458.1 for the

Public and the Environment and specifically, the principle of "As Low as reasonably Achievable" and will not exceed the Ames Laboratory's administrative limits as outlined in the Radiation Protection Program Plan, 10202.004.

#### B.34. Ozone Depleting Substances

Refrigerant recovery. The Laboratory's recovery equipment is registered with the EPA under #608. Recovered Freon is shipped offsite through the Laboratory's hazardous waste vendor for disposal and/or recycling.

#### C.41. Existing, Modified, or New Federal/State Permits

The site-wide standby generator may require a construction permit and operating permit through the Iowa Department of Natural Resources Air Quality Office to satisfy Clean Air Act requirements.

The site-wide standby generator will include a diesel fuel tank that may require an annual above-ground storage tank permit through the State Fire Marshal's office to satisfy NFPA 30/30A requirements.

#### C.46. Subject to an Existing Work Planning and Control Process

Ames Laboratory has an internal work planning and control procedure to ensure that activities are planned, the associated hazards are identified, and control measures are implemented to protect personnel and the environment. Activities are reviewed at the developmental stage, upon operation and periodically thereafter using a graded approach based on the hazard category.

#### VI. Applicable Categories Under 10 CFR Part 1021, Appendix A to Subpart D

[B1.3, B1.4, B1.5, B1.6, B1.7, B1.8, B1.11, B1.13, B1.15, B1.16, B1.17, B1.21, B1.22, B1.23, B1.27, B1.28, B1.31, B1.32, B2.1, B2.3, B2.5, B5.1]

B1.3 Routine maintenance/custodial services for building;

B1.4 Installation/modification of air conditioning systems for existing equipment;

B1.5 Minor improvements to existing steam plants and cooling water systems, provided that the improvements would not: (1) Create new sources of water or involve new receiving waters; (2) have the potential to cause significant impacts on water withdrawals or the temperature of discharged water; or (3) increase hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products;

B1.6 Installation or modification of retention tanks or small basins and associated piping and pumps for existing operations to control runoff or spills;



B1.7 Acquisition, installation, operation, modification, and removal of electricity transmission equipment, communication systems, data processing equipment;

B1.8 Modifications to screened water intake and outflow structures;

B1.11 Installation of fencing, no adverse impacts on wildlife populations or migration or surface water flow;

B1.13 Construction, acquisition, and relocation of on-site pathways, small outdoor fitness areas, and short access roads and rail lines;

B1.15 Siting, construction or modification, and operation of support buildings and support structures;

B1.16 Removal of asbestos containing materials from buildings in accordance with applicable requirements;

B1.17 Removal of polychlorinated biphenyl (PCB)-containing items from buildings or other aboveground locations in accordance with applicable requirements;

B1.21 Noise abatement measures;

B1.22 Relocation of buildings to an already developed area;

B1.23 Demolition/disposal of buildings, equipment, and support structures, no adverse impact to public health or the environment;

B1.27 Disconnection of utilities;

B1.28 Minor activities that are required to place a facility in an environmentally safe condition, no proposed use for facility;

B1.31 Installation or relocation and operation of machinery and equipment;

B1.32 Adjustments to traffic flow, existing roads;

B2.1 Modifications to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability;

B2.3 Installation of equipment for personnel safety and health;

B2.5 Safety and environmental improvements of facility, replacement/upgrade facility components.

B5.1 Actions to conserve energy