

Environmental Review Form for Argonne National Laboratory

Click on the blue question marks (?) for instructions, contacts, and additional information on specific line items.

(?)Project/Activity Title: Building 362 Engine Test Facility Cell #3 Phase II Project

(?)ASO NEPA Tracking No. _____ **(?)Type of Funding:** ARRA
B&R Code _____

(?)Identifying number: _____ WFO proposal # _____ CRADA proposal # _____
Work Project # 49443 ANL accounting # (item 3a in Field Work Proposal) _____
Other (explain) _____

(?)Project Manager: John Tinnin Signature: *John Tinnin* Date: 1/18/2011

(?)NEPA Owner: Phil Rash Signature: *Phil Rash* Date: 1/18/2011

ANL NEPA Reviewer: M. A. Kamiya Signature: *M. A. Kamiya* Date: 1/19/2011

I. (?)Description of Proposed Action:

The Energy Systems Division plans improvements to Cell#3 test facility. This would include the installation of acoustical roofing, fire sprinkler system, cell exhaust for heat dispersion; and fuel distribution system that includes panels, controls, (2) 1400 above ground fuel tanks, (1) 120-gallon day tank (installed inside B362). The project also proposes to demolish a gas storage shack outside of the building.

The operations of the facility are covered under the existing categorical exclusion (ASO-CX-010 &137).

II. (?)Description of Affected Environment:

This work would be performed inside Building 362 and outside adjacent to the building. All work would be conducted where previous construction has occurred.

III. (?)Potential Environmental Effects: (Attach explanation for each "yes" response. See Instructions for Completing Environmental Review Form)

A. Complete Section A for all projects.

1. (?)Project evaluated for Pollution Prevention and Waste Minimization opportunities and details provided under items 2, 4, 6, 7, 8, 16, and 20 below, as applicable Yes X No _____
2. (?)Air Pollutant Emissions Yes _____ No X

Minor emissions from cars, light duty vehicles, gas powered pumps and generators may occur during construction. Other emissions from operations and maintenance are covered under the existing Transportation Research Facility CX.

3. (?)Noise Yes _____ No X

4. (?)Chemical Storage/Use Yes ___ No X

Standard construction materials would be used such as fuel, oil, grease, cleaning products, concrete, etc. Permanent tanks would be installed that will store gasoline and diesel fuel. The tanks would be constructed with a double walled system. Spill control basins/pans would be installed under Argonne requirements; the oil delivery vendor would have spill prevention kits with the trucks and shall protect adjacent storm sewer basins during filling. The facility would have spill prevention inside the building for emergency spills.

5. (?)Pesticide Use Yes ___ No X

6. (?) Polychlorinated Biphenyls (PCBs) Yes ___ No X

7. (?) Biohazards Yes ___ No X

8. (?)Liquid Effluent (wastewater) Yes ___ No X

9. (?)Waste Management

a) Construction or Demolition Waste Yes X No ___

Minor construction debris would be generated including asphalt, gravel, and concrete. These materials would be recycled as appropriate.

b) Hazardous Waste Yes ___ No X

c) Radioactive Mixed Waste Yes ___ No X

d) Radioactive Waste Yes ___ No X

e) PCB or Asbestos Waste Yes X No ___

Outside gas bottle storage structure contains PCB contaminated paint. Structure will be dismantled and disposed by ANL Waste Management Division.

f) Biological Waste Yes ___ No X

g) No Path to Disposal Waste Yes ___ No X

h) Nano-material Waste Yes ___ No X

10. (?)Radiation Yes ___ No X

11. (?)Threatened Violation of ES&H Regulations or Permit Requirements Yes ___ No X

12. (?)New or Modified Federal or State Permits Yes X No ___

Construction permit #10090018 has been received for installation of the gasoline above ground storage tank. This tank would be operated under a special condition in the construction permit until the activity is added to the Argonne CAAPP (Title V) permit upon renewal.

13. (?)Siting, Construction, or Major Modification of Facility to Recover, Treat, Store, or Dispose of Waste Yes ___ No X

14. (?)Public Controversy Yes ___ No X

15. (?)Historic Structures and Objects Yes ___ No X

16. (?)Disturbance of Pre-existing Contamination Yes ___ No X

17. (?)Energy Efficiency, Resource Conserving, and Sustainable Design Features Yes ___ No X

B. For projects that will occur outdoors, complete Section B as well as Section A.

18. (?)Threatened or Endangered Species, Critical Habitats, and/or other Protected Species Yes ___ No X
19. (?)Wetlands Yes ___ No X
20. (?)Floodplain Yes ___ No X
21. (?)Landscaping Yes ___ No X
22. (?)Navigable Air Space Yes ___ No X
23. (?)Clearing or Excavation Yes X No ___
- Minor excavation would occur. The volume of material is expected to be less than 20 yards. The excavated debris would be recycled on-site. Recycled gravel would be used for the sub-base.
24. (?)Archaeological Resources Yes ___ No X
25. (?)Underground Injection Yes ___ No X
26. (?)Underground Storage Tanks Yes ___ No X
27. (?)Public Utilities or Services Yes ___ No X
28. (?)Depletion of a Non-Renewable Resource Yes ___ No X

C. For projects occurring outside of ANL complete Section C as well as Sections A and B.

29. (?)Prime, Unique, or Locally Important Farmland Yes ___ No ___
30. (?)Special Sources of Groundwater (such as sole source aquifer) Yes ___ No ___
31. (?)Coastal Zones Yes ___ No ___
32. (?)Areas with Special National Designations (such as National Forests, Parks, or Trails) Yes ___ No ___
33. (?)Action of a State Agency in a State with NEPA-type Law Yes ___ No ___
34. (?)Class I Air Quality Control Region Yes ___ No ___

IV. (?)Subpart D Determination: (to be completed by DOE/ASO)

Are there any extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal? Yes ___ No X

Is the project connected to other actions with potentially significant impacts or related to other proposed action with cumulatively significant impacts? Yes ___ No X

If yes, is a categorical exclusion determination precluded by 40 CFR 1506.1 or 10 CFR 1021.211? Yes ___ No ___

Can the project or activity be categorically excluded from preparation of an Environment Assessment or Environmental Impact Statement under Subpart D of the DOE NEPA Regulations?

Yes X No _____

If yes, indicate the class or classes of action from Appendix A or B of Subpart D under which the project may be excluded.

CX B1.5 Improvements to Cooling Water Systems
within existing building, structure and B 3.6 Siting/construction/operation/
decommissioning of facilities for bench-scale research, conventional laboratory
operations, small-scale research and development and pilot projects.

If no, indicate the NEPA recommendation and class(es) of action from Appendix C or D to Subpart D to Part 1021 of 10 CFR.

ASO NEPA Coordinator Review: ~~James R. Oprzedek~~ KAUSHIK N. JOSHI

Signature: *KAUSHIK N. JOSHI*

Date: 01-24-2011

ASO NCO Approval of CX Determination:

The preceding pages are a record of documentation that an action may be categorically excluded from further NEPA review under DOE NEPA Regulation 10 CFR Part 1021.400. I have determined that the proposed action meets the requirements for the Categorical Exclusion identified above.

Signature: *Peter R. Siebach*
Peter R. Siebach
Acting Argonne Site Office NCO

Date: 1/24/2011

ASO NCO EA or EIS Recommendation: NA

Class of Action: _____

Signature: _____
Peter R. Siebach
Acting Argonne Site Office NCO

Date: _____

Concurrence with EA or EIS Recommendation: NA

CH GLD: _____

Signature: _____

Date: _____

ASO Manager Approval of EA or EIS Recommendation: NA

An _____ EA _____ EIS shall be prepared for the proposed _____ and
_____ shall serve as the document manager.

Signature: _____

Date: _____

Joanna
Jeanne Livingood
Acting Site Manager