



Department of Energy

Argonne Site Office
9800 South Cass Avenue
Argonne, Illinois 60439

JUL 05 2013

Dr. Eric Isaacs
Director, Argonne National Laboratory
President, UChicago Argonne, LLC
9700 South Cass Avenue
Argonne, IL 60439

Dear Dr. Isaacs:

SUBJECT: NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DETERMINATION FOR
ARGONNE NATIONAL LABORATORY (ARGONNE)

The Argonne Site Office (ASO) has approved the following as a categorical exclusion (CX) under the category of B 1.15: Siting/Construction/Operation of Support Buildings/Support Structures within or contiguous to an already developed area.

- New Advanced Photon Source Parking Lot on Kearney Road (ASO-CX-297)

No further NEPA review is required. However, if any modification or an expansion of the scope is made to the project, additional NEPA review will be necessary.

Please note that a site-specific soil erosion control plan will be required. No archaeologically significant materials were found in the previous investigation. However, further coordination with the Illinois State Historic Preservation Officer will be required for concurrence.

Enclosed please find a copy of the approved Environmental Review Form (ERF) for the project. If you have any questions, please contact Kaushik Joshi of my staff at (630) 252-4226.

Sincerely,

A handwritten signature in cursive script, reading "Joanna M. Livengood", is positioned above the printed name.

Joanna M. Livengood
Manager

Enclosure:
As Stated

cc: J. Stauber, ANL, w/encl.
M. Finder, ANL, w/encl.
J. Frego, ANL, w/encl.
S. Heston, ASO, w/encl.
K. Burnett, ASO, w/encl.
K. Joshi, ASO, w/encl.
M. McKown, SC-CH, w/encl.
P. Siebach, SC-CH, w/encl.



Environmental Review Form for Argonne National Laboratory

Project/Activity Title: New APS Parking Lot on Kearney Road

ASO NEPA Tracking No. ASO CX-297 **Type of Funding:** _____

B&R Code _____

Identifying number: OPS #01310 **WFO proposal #** _____ **CRADA proposal #** _____

Work Project # _____ **ANL accounting # (item 3a in Field Work Proposal)** _____

Other (explain) DOE Log #1613

Project Manager: Jim Frego **Signature:** [Signature] **Date:** 1/30/13

NEPA Owner: M. Finder **Signature:** [Signature] **Date:** 1/30/2013

ANL NEPA Reviewer: Joel Stauber **Signature:** [Signature] **Date:** 4/2/13

- I. **Description of Proposed Action:** This action will install a new parking lot across Kearney Road west of Building 440. The parking lot is approximately 30,880 SF per the conceptual drawings by HDR included in the Site Modernization Plan. This parking lot will be striped to provide an additional 76 (approx.) parking spaces. Parking lot lighting shall be provided as well as sidewalks and crosswalks to allow pedestrians to safely cross the road. The design shall also include stormwater management BMP's (rain gardens or bioswales) as appropriate and storm sewers connecting to existing 12" RCP storm sewer east of Kearney Road. The parking lot will have two entrances/exits on Kearney Road with one of the entrances lining up with the existing parking lot east of Kearney Rd. ADA spaces are not required in the new lot. However, the number of ADA spaces currently located near the building may need to be increased. Please see Figure 1 below for the project location.

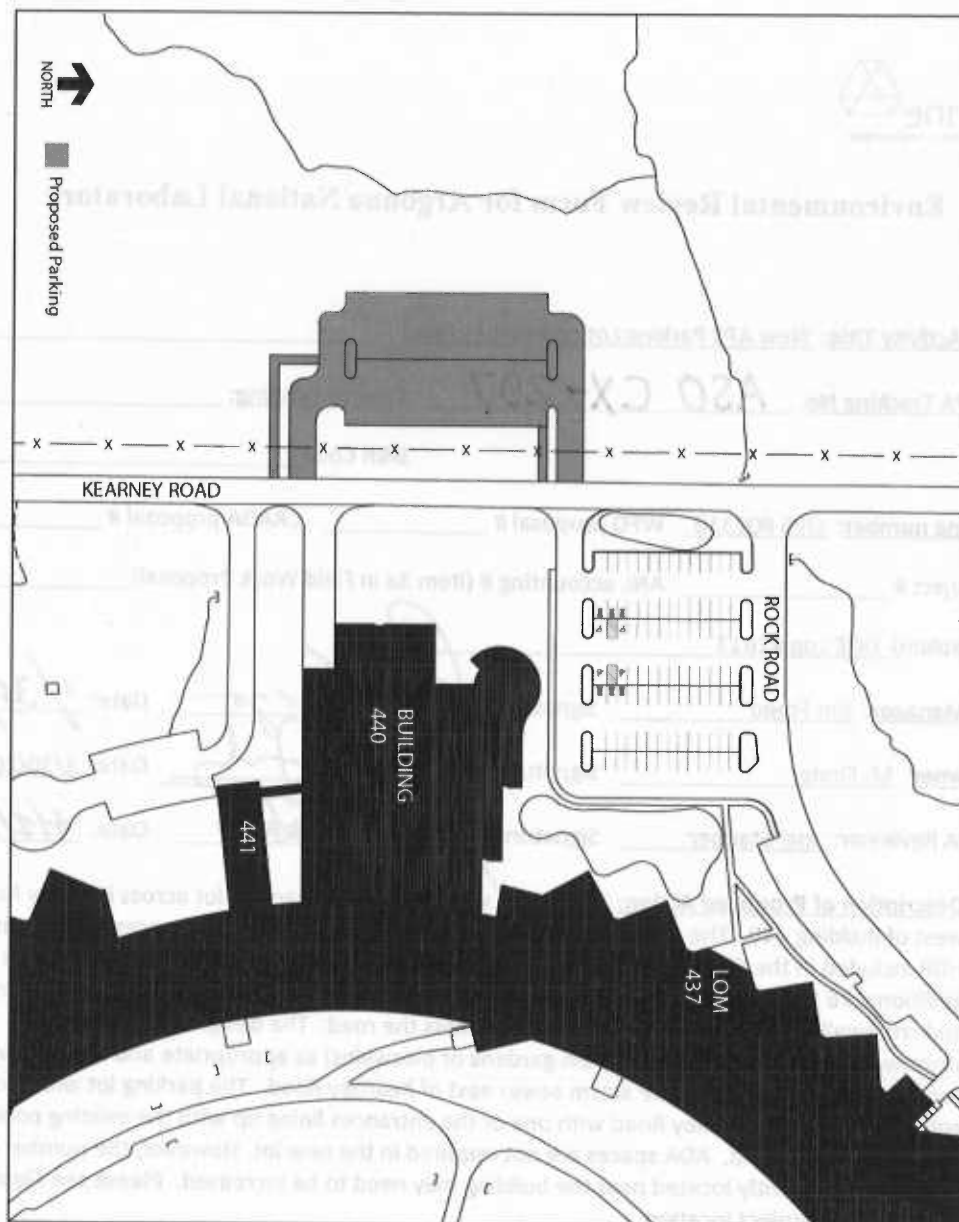


Figure 1. Project Location

- II. **Description of Affected Environment:** This work takes place in both previously disturbed and undisturbed areas. Several existing trees over 6" in diameter will be removed and recycled. Storm water management techniques will be employed to ensure no sensitive environmental areas such as wetlands or archaeological sites will be impacted by this action.
- 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 ☒ No ☐

2. Air Pollutant Emissions Yes ☒ No ☐

Minor emissions from cars and light-duty vehicles will occur. Standard construction equipment will be used during the work such as earth graders, back hoes, pavers and compactors. No open burning of oils on tools will be allowed to clean tools.

3. Noise Yes ☒ No ☐

Minor noises from standard mobile equipment. These will include asphalt saw cutting, jackhammering, and excavation related noises. Protection will be required if noises above OSHA limits occur.

4. Chemical/Oil Storage/Use Yes ☒ No ☐

Standard oils and chemicals will be employed during construction activities. MSDS sheets and ANL standards will be followed in handling and storing the materials. No oil filled equipment will be installed. However, large earthwork equipment will be used. Fuel filling will be executed on site.

5. Pesticide Use Yes ☐ No ☒

6. Polychlorinated Biphenyls (PCBs) Yes ☐ No ☒

7. Biohazards Yes ☐ No ☒

8. Effluent/Wastewater (If yes, see question #12 and contact Gregg Kulma (FMS-SEP) at 2-9147 or gkulma@anl.gov Yes ☒ No ☐

Excavation activities will take place. Liquid effluents are possible due to rain events. A site specific erosion control plan will be developed and followed including regular inspections. If pumping of storm water is required, it shall be filtered and not discharge directly into storm water piping systems or wetlands. The discharge of waste oils on to the ground is allowed.

9. Waste Management

- a) Construction or Demolition Waste Yes ☒ No ☐

This project may generate asphalt waste, gravel debris and some soil and metal debris. The asphalt will be recycled off site. Where possible, the gravel and earth will be recycled on site.

- 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 _____ No X
- 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 _____ No X

IEPA Erosion Control Plan/ SWPP will not be required for this action since the area of disturbance is less than one acre in area.

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 X No _____

Specific storm water control systems are proposed for the project. A rain garden is proposed to be included in the storm water control system. Energy efficient parking lot lighting will be used and special controls added to reduce unnecessary usage of energy. All materials removed will be recycled where possible.

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 ☒

19. Wetlands Yes ☐ No ☒

A rain garden is proposed (to be included in the storm water control system) to filter local runoff before entering existing water course leading to nearby wetland.

20. Floodplain Yes ☐ No ☒

21. Landscaping Yes ☒ No ☐

In addition to the proposed rain garden, native grasses and trees will be planted in this area and/or grasses planted to control erosion.

22. Navigable Air Space Yes ☐ No ☒

23. Clearing or Excavation Yes ☒ No ☐

This action will impact an area of approximately 30,000 square feet (less than 1 acre). Therefore, a detailed Site Specific Pollution Prevention Plan will not be required. However, a site specific erosion control plan will be developed for the project.

24. Archaeological Resources Yes ☒ No ☐

This area has been previously surveyed by Cultural Resources in the summer of 2012. No significant resources were discovered in this direct vicinity. However, further coordination with the Illinois SHPO will be required for concurrence by SHPO. Coordinate with Joel Stauber.

25. Underground Injection Yes ☐ No ☒

26. Underground Storage Tanks Yes ☐ No ☒

27. Public Utilities or Services Yes ☐ No ☒

28. Depletion of a Non-Renewable Resource Yes ☐ No ☒

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. B 1.15 Siting, construction or modification and operation of support buildings and support structures.

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.

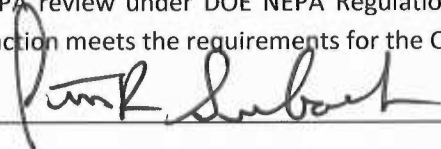
ASO NEPA Coordinator Review: Kaushik Joshi

Signature: Kaushik Joshi Date: 7-2-2013

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: _____



Date: _____

7/2/13

Peter R. Siebach
Acting Argonne Site Office NCO

ASO NCO EA or EIS Recommendation:

Class of Action: _____

Signature: _____

Date: _____

Peter R. Siebach
Acting Argonne Site Office NCO

Concurrence with EA or EIS Recommendation:

CH GLD: _____

Signature: _____

Date: _____

ASO Manager Approval of EA or EIS Recommendation:

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

Signature: _____

Date: _____

Dr. Joanna M. Livengood