



Department of Energy

Argonne Site Office
9800 South Cass Avenue
Argonne, Illinois 60439

JUL 20 2015

Dr. Peter B. Littlewood
Director, Argonne National Laboratory
President, UChicago Argonne, LLC
9700 South Cass Avenue
Argonne, IL 60439

Dear Dr. Littlewood:

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 Appendix B (to 10 CFR Part 1021, Subpart D, Integrated DOE NEPA Implementing Procedures, December 1996), Category B 1.15 "Support Buildings."

---Argonne Enterprise Data Center (northeast corner of Southwood and Rock Road), ASO-CX-317

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

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 black ink that reads "Joanna M. Livengood".

Joanna M. Livengood
Manager

Enclosure:
As Stated

cc: J. Stauber, ANL/FMS, 214, w/encl.
P. Matton, ANL, w/encl.
M. Finder, ANL, 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: Argonne Enterprise Data Center

ASO NEPA Tracking No. 2001 ASO-CX-317 Type of Funding: _____

B&R Code _____

Identifying number: 01526 WFO proposal # _____ CRADA proposal # _____

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

Other (explain) _____

Project Manager: Phil Matton Signature: [Signature] Date: 6/8/15

NEPA Owner: Mike Finder/Phil Matton Signature: [Signature] Date: 6/8/2015

ANL NEPA Reviewer: Joel V. Stauber Signature: [Signature] Date: 6/8/15

I. **Description of Proposed Action:** This action will construct a new 1-story, 12,000 s.f. data center facility in the lot located on the northeast corner of Southwood & Rock Rd. This is a multi-year project. Scope includes all site & utility work, foundations, and shell for the new data center building. All infrastructure to support a data center will be installed including electric, generators, UPS, chilled water piping & HVAC systems, and a fire protection system.

II. **Description of Affected Environment:** The construction area is located on the northeast corner of Southwood & Rock Rd. No actions are expected which will negatively impact the environment.

III. **Potential Environmental Effects:** (Attach explanation for each "yes" response.)

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 _____

Project has been evaluated.

2. Air Pollutant Emissions Yes X No _____

Standard construction equipment will be used.

3. Noise Yes No

Standard noises related to construction & excavation will 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.

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

An erosion control plan will be developed & approved by Argonne and implemented by the contractor during construction. If a floor drain is installed for storm water, it will be protected during construction and clearly marked for storm water only.

9. Waste Management

a) Construction or Demolition Waste Yes No

Construction waste will generally consist of approximately 125 cy of excavated earth. Spoils will be used on another project or hauled offsite by the contractor.

b) Hazardous Waste Yes No

c) Radioactive Mixed Waste Yes No

d) Radioactive Waste Yes No

e) PCB or Asbestos Waste Yes No

f) Biological Waste Yes No

g) No Path to Disposal Waste Yes No

h) Nano-material Waste Yes No

10. Radiation Yes No

11. Threatened Violation of ES&H Regulations or Permit Requirements Yes No

12. New or Modified Federal or State Permits Yes No
13. Siting, Construction, or Major Modification of Facility to Recover, Treat, Store, or Dispose of Waste Yes No
14. Public Controversy Yes No
15. Historic Structures and Objects Yes No
16. Disturbance of Pre-existing Contamination Yes No
17. Energy Efficiency, Resource Conserving, and Sustainable Design Features Yes No

Building will be designed to meet High Performance Sustainable Building standards.

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
20. Floodplain Yes No
21. Landscaping Yes No

Minor landscaping work will be completed around the newly installed building.

22. Navigable Air Space Yes No
23. Clearing or Excavation Yes No

Excavation activities will occur.

24. Archaeological Resources Yes No
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. Appendix B, B.1.15 Support Buildings

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.

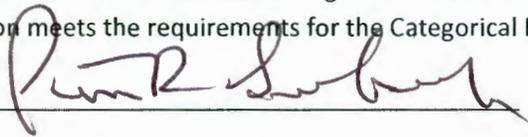
ASO NEPA Coordinator Review: Kaushik Joshi

Signature: 

Date: 7-13-2015

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: 7/15/15

Peter R. Siebach
Argonne Site Office NCO

ASO NCO EA or EIS Recommendation:

Class of Action: _____

Signature: _____

Date: _____

Peter R. Siebach
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
Manager

