



Department of Energy

Argonne Site Office
9800 South Cass Avenue
Argonne, Illinois 60439

JUL 17 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 3.1 "Site Characterization and Environmental Monitoring."

---Wind Forecast Improvement Project 2 (WFIP2), Yakima (Monitoring Trailer), ASO-CX-314

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 cursive script that reads "Joanna M. Livengood".

Joanna M. Livengood
Manager

Enclosure:
As Stated

cc: J. Stauber, ANL, w/encl.
D. Cook, ANL, w/encl.
D. Rodi, 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: WFIP2 Yakima

ASO NEPA Tracking No. ASO-CX-314 Type of Funding: _____

B&R Code _____

Identifying number: 2006 WFO proposal # _____ CRADA proposal # _____

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

Other (explain) _____

Project Manager: David R. Cook Signature: David R. Cook Date: 6/10/2015

NEPA Owner: Diane J. Rodi Signature: Diane J. Rodi Date: 6/10/2015

ANI NFPA Reviewer: Joel V. Stauber Signature: Joel V. Stauber Date: 6/11/15

Description of Proposed Action: Meteorological measurements will be made over an up to 2 year period. Instrumentation and a small container trailer will be installed. Measurements include: 1) temperature, humidity, wind speed and direction, barometric pressure on a 3 m triangular tower. 2) sodar acoustic sensing of the atmosphere up to 1500 m. 3) microwave sensing of the atmosphere throughout the atmospheric boundary layer. 4) microbarograph to measure barometric pressure variations.

I. **Description of Affected Environment:** Grassed area within the airport grounds.

II. **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 _____ No X
- 2. Air Pollutant Emissions Yes _____ No X
- 3. Noise Yes X No _____

Noise from the sodar is minimal and is not loud enough to disturb any residential areas nearby.

4. Chemical/Oil Storage/Use Yes No
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
9. Waste Management
- a) Construction or Demolition Waste Yes No
- 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
- Electromagnetic microwave radiation is directed vertically up into the atmosphere and cannot harm anything on the ground. There is some danger if a person poked their head over the clutter barrier. The airport areas will be fenced and all sites will have warning signs describing the hazard.*
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

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

22. Navigable Air Space Yes No

The sodar and microwave profiler will send signals into the atmosphere above the instrumentation, at altitudes where small aircraft may fly, but pose no hazard for those aircraft.

23. Clearing or Excavation Yes No

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 X

III. **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 3.1 Site characterization and environmental monitoring.

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: K Joshi

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: Peter R. Siebach

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