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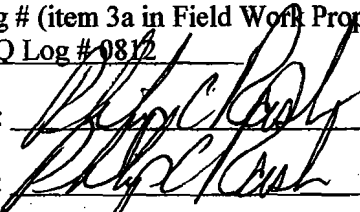
Environmental Review Form for Argonne National Laboratory


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

(?)Project/Activity Title: Generic Categorical Exclusion: Miscellaneous Installations and Maintenance Activities

(?)ASO NEPA Tracking No. ASO-CX-262 **(?)Type of Funding:** NA
B&R Code _____

(?)Identifying number: ERF-0973R1 WFO proposal # _____ CRADA proposal # _____
Work Project # NA ANL accounting # (item 3a in Field Work Proposal) _____
Other (explain) Original CX ARG-CX-105 ESO Log #0812

(?)Project Manager: Philip C. Rash Signature:  Date: 2/8/10

(?)NEPA Owner: Philip C. Rash Signature:  Date: 2/8/10

ANL NEPA Reviewer: M. A. Kamiya Signature:  Date: 2/8/2010

I. (?)Description of Proposed Action:

SCOPE:

GENERAL: This Categorical Exclusion covers action of a general and repetitive nature. The types of activities included are the removal, installation, replacement, and preparation of a wide variety of activities that occur on a regular and routine basis. These activities would apply to all of Argonne National Laboratory (ANL) projects executed by ANL and on previously disturbed grounds of ANL. These are activities that are conducted by Argonne maintenance personnel as well as contractors hired by ANL. These activities are not for major individual programmatic actions but for miscellaneous activities and maintenance actions to support new and existing projects, programs and facilities that require additions, repairs, or modifications.

CIVIL/STRUCTURAL: Civil and structural installation and maintenance activities and similar installation activities covered include small support structures such as sheds, enclosures, docks, room modifications, trailers, and the associated foundations and excavation work. Also, the installation of sheetrock and concrete block and solid concrete partition walls, structural steel supports, and the ancillary attributes such as painting, trim work, concrete housekeeping pads, stairs, walkways, door installations or replacements, roof repairs, etc. and associated maintenance of these systems. In addition, roof replacements including decking, penetrations, flashings and exterior building work is also included such as exterior siding, window repair and replacement, brick/tuckpointing work, equipment support structures, and intake louvers; etc.

MECHANICAL: Mechanical installation, maintenance, and similar replacement activities covered include piping systems such as air, water, sewer, steam, gas as well as special scientific support systems. The scope of work includes the installation of new, the repair or replacement of existing systems and the ancillary parts such as valves, gauges, insulation. In addition, all types of ductwork systems for general comfort control, glove boxes, and the ancillary components such as fans, cooling coils, pumps, and cooling towers.

ELECTRICAL: Electrical installation, maintenance, and similar replacement activities covered include conduit and wire systems, lighting and lightning protection systems, PA systems, fire

alarm and smoke detection systems, and the ancillary components such as light fixtures, outlets, ground bars, transformers, panels, circuit breakers, ground rods, etc.

RESTRICTIONS:

All activities will follow the conditions in 10CFR 1021, Subpart D, Appendix B "Conditions that are Integral Elements of the Classes of Actions in Appendix B." In summary, the activities described in this Generic Categorical Exclusion shall not take place in wetlands, flood plains, streams, impact historically significant sites, structures, or parts thereof, or adversely affect any of the above including Laboratory landscapes or remove live trees larger than 6 inches in diameter.

All the work shall take place inside existing buildings or in previously disturbed sites contiguous to these buildings within the boundaries of ANL. The work will occur only in previously disturbed or State Historical Preservation Office (SHPO) approved areas concerning archaeological or historic resources.

No actions taken under this Generic Categorical Exclusion shall modify or require special or specific Federal or State permits such as EPA required construction permits, EPA air permits, etc.

No actions taken under this Generic Categorical Exclusion shall install new ventilation for radionuclide use.

No actions using this Generic Categorical Exclusion shall discharge process water or wastewater to any storm sewer system. No exterior actions taken under this Generic Categorical exclusion that disturb the earth or otherwise create the potential for uncontrolled soil erosion shall be conducted without an approved Erosion Control Plan.

For activities involving both facility operations and research activities, project managers shall verify that all activities planned for the project fall with the assigned Generic Categorical exclusion or some other environmental evaluation documentation.

Any actions planned that do not meet these restrictions or fall with the scope described, shall require an independent review by the Department of Energy.

II. (?)Description of Affected Environment:

These proposed actions are specifically scoped to have no negative impact on the environment. All waste generated will be disposed of properly, and any impacts will be temporary as the environment will be restored to the original or improved condition.

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 Yes No
opportunities and details provided under items 2, 4, 6, 7, 8, 16, and 20
below, as applicable. Planned actions will be reviewed and all appropriate materials will be
considered for recycling.

2. (?) Air Pollutant Emissions Yes X No ____
 Minor emissions from cars, light-duty vehicles, gas powered pumps and generators, will occur and asbestos removal activities may occur during the normal execution of actions under this Generic Categorical Exclusion.
3. (?) Noise Yes X No ____
 Minor construction noises consistent with maintenance and minor construction will occur. All appropriate standards and associated protection for excessive noises will be followed.
4. (?) Chemical Storage/Use Yes X No ____
 Standard maintenance and construction materials are used and stored per Argonne and OSHA regulations. These products could include oils, grease, cleaning products, cement, etc. The Material Safety Data Sheets (MSDS) are stored in an accessible location near the work areas.
5. (?) Pesticide Use Yes X No ____
 Pesticides and herbicides may be used as necessary to control invaders or pest such as ants, bees, weeds, etc.. The MSDS sheets are stored in an accessible location near the work areas.
6. (?) Polychlorinated Biphenyls (PCBs) Yes X No ____
 PCB removal and disposal activities will follow the Waste Handling Procedures manual, Section II Hazardous Waste.
7. (?) Biohazards Yes ____ No X
8. (?) Liquid Effluent (wastewater) Yes X No ____
 Potable, process, sewer, and sprinkler systems will be modified and additions made. Flushing, pressure testing, and cleaning activities will take place. The discharge will only be to the sanitary or laboratory sewer systems. Chlorinated water used for disinfection will be dechlorinated prior to discharge.
 No water shall be released to any storm water sewer system. Verify the discharge point of any floor drain, etc. prior to its use.
 Storm sewer systems are included in the area. Any pressure testing, flushing fluids shall only be discharge to a sanitary or laboratory sewer system unless specifically approved by ANL-ESQ.
9. (?) Waste Management
- a) Construction or Demolition Waste Yes X No ____
 Construction debris is generated from all these actions. All debris shall be collected and placed in appropriate collection systems for recycling where allowed.
 Recyclable metals will be recycled when possible. Clean excess soil or gravel will be moved to ANL stockpile for other use.
- b) Hazardous Waste Yes X No ____
 The management and disposal of hazardous waste shall follow the Argonne Waste Handling procedures.
- c) Radioactive Mixed Waste Yes ____ No X

Radioactive mixed waste is not planned to be handled, However, if encountered, the management and disposal of mixed waste shall follow the Argonne Waste Handling procedures. The Waste Management organization will handle all such materials. This work will be coordinated with the Safety and Nuclear Operations Division and Health Physics.

- d) Radioactive Waste Yes No

Radioactive waste may be encountered. The management and disposal of radioactive waste shall follow the Argonne Waste Handling procedures. The Safety and Nuclear Operations Division and Waste Management organization will handle all such materials. Coordinate this work with Safety and Nuclear Operations Division and Health Physics. If there is every~~x~~ any question about a material contact the Waste Management Organization.

- e) PCB or Asbestos Waste Yes No

PCB and Asbestos waste may be handled. The Waste Management organization or outside contractors will handle and remove any waste per the Waste Handling Procedures manual. The removal of such materials is performed only by (1) a qualified asbestos abatement contractor per Illinois regulations, (2) qualified Argonne employees and members of Waste Management.

- f) Biological Waste Yes No

No biological waste will be generated. Waste Management must be notified if biological waste is encountered.

- g) No Path to Disposal Waste Yes No

Projects undertaken under this Generic Categorical Exclusion will not generate any waste with "No Path to Disposal". Waste Management must be consulted if such waste is encountered.

- g) Nano Materials Yes No

Projects undertaken under this Generic Categorical Exclusion will not generate any nano-waste. Waste Management must be notified must be notified if such waste is encountered.

10. (?)Radiation Yes No

Any actions taken where radiation exposures are necessary, these actions will follow the ANL ES&H manual Chapter 5, Ionizing Radiation Protection.

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

Projects undertaken under this Generic Categorical Exclusion will not require any special permits or challenge ES&H regulations.

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

Projects undertaken under this Generic Categorical Exclusion will not require any Federal or State permits.

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

Projects undertaken under this Generic Categorical exclusion will not require any special permits or Create Public Controversy.

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

Projects undertaken under this Generic Categorical exclusion will not involve modifications to historic structures or objects that have not been previously approved by SHPO.

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

Actions under this Generic Categorical Exclusion will not disturb pre-existing contamination.

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

All actions under taken will give due consideration to the energy efficient operations and conservation of resources 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 X

Projects undertaken under this Generic Categorical Exclusion will not involve activities that will impact environmentally sensitive areas.

19. (?) Wetlands Yes ___ No X

Projects undertaken under this Generic Categorical Exclusion will not involve activities that will impact environmentally sensitive areas.

20. (?) Floodplain Yes ___ No X

Projects undertaken under this Generic Categorical Exclusion will not construct any new or modify any structure that will increase the existing impact within a flood plain.

21. (?) Landscaping Yes X No ___

Minor landscaping may be modified or installed as necessary to execute maintenance or installation activities. The grass, trees, bushes, etc. will be installed or replaced if not creating a violation of other applicable rules associated with the system being maintained. Native species will be used unless other grasses are appropriate.

22. (?) Navigable Air Space Yes ___ No X

23. (?) Clearing or Excavation Yes X No ___

Minor excavation activities will take place within the limits of this Generic Categorical Exclusion. However, the volumes of clearing and excavation will be minor and less than 1 acre and meet all applicable restrictions.

24. (?)Archaeological Resources Yes ___ No X

Archaeological Resources will not be disturbed under this Generic Categorical Exclusion. Surveys may be taken in order to determine if such resources are present and need to be protected. Once approved by an appropriate survey, the area may be modified.

25. (?)Underground Injection Yes ___ No X

Projects undertaken under this Generic Categorical Exclusion will not involve activities that will involve underground injection or impact environmentally sensitive areas

26. (?)Underground Storage Tanks Yes ___ No X

Projects undertaken under this Generic Categorical Exclusion will not involve activities that will involve underground storage tanks or impact environmentally sensitive areas.

27. (?)Public Utilities or Services Yes X No ___

Minor utility services may be involved in actions that fall under this Generic Categorical Exclusion. However, these services will be utilized only to the extent of the maintenance required to repair or install items near existing building or structures.

28. (?)Depletion of a Non-Renewable Resource Yes ___ No X

Projects undertaken under this Generic Categorical Exclusion will not involve activities that will delete or demolish a non-Renewable Resource or impact environmentally sensitive areas.

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

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 ___

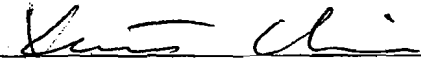
Can the project or activity be categorically excluded from preparation of an Environment Assessment or Environmental Impact Statement under Subpart D of the DOE NEPA Regulations?

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. See attached classes of actions that are applicable to this generic CX

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.

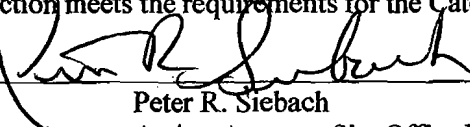
ASO NEPA Coordinator Review: Ken Chiu

Signature: 

Date: 2/8/10

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
Acting Argonne Site Office NCO

Date: 2/8/10

**Attachment to Miscellaneous Installation/Maintenance Activities Generic CX,
(ASO-CX-262)**

The following are the applicable classes of action from Appendix B to Subpart D (10 CFR 1021):

- B1.3 Routine maintenance/custodial services for buildings, structures, infrastructures, equipment;
- B1.4 Installation/modification of air condition systems for existing buildings, structures;
- B1.5 Improvements to cooling water systems within existing buildings, structures;
- B.1.9 Placement of airway safety markings and painting of existing electrical transmission lines and antenna structures in accordance with FAA standards;
- B1.11 Installation of fencing with no adverse effect on wildlife movement or surface water flow;
- B1.15 Siting/construction/operation of support buildings/support structures, including but not limiting to trailers and prefabricated buildings;
- B1.16 Removal of asbestos from buildings;
- B1.17 Removal of PCB items from buildings;
- B1.22 Relocation of buildings, limiting to trailers and prefabricated buildings;
- B1.27 Disconnection of utilities;
- B1.31 Relocation of machinery and equipment;
- B2.1 Modification of existing structure to enhance workplace habitability, i.e. improvements to lighting, radiation shielding, or heating/ventilation/air conditioning and noise reduction;
- B2.2 Installation of/improvements to building and equipment instrumentation, i.e. remote controls, emergency warning system monitoring and control systems;
- B2.3 Installation of/improvements to equipment for personnel safety and health, i.e. eye washes, safety showers, radiation monitoring devices, etc.; and
- B.2.5 Safety and environmental improvements of a facility and replacement/upgrade of facility components