



Environmental Review Form for Argonne National Laboratory

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Cost Center:	208	Division:	FMS
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Building:	214	Lab Extension:	2-3309

General Information

Project/Activity Title: Site-Wide Categorical Exclusion - Routine Grounds and Maintenance Activities

ASO NEPA Tracking No.: 2553 Type of Funding: Operating

B & R Code: Identifying Number: 01642

SPP Proposal Number: CRADA Proposal Number:

Work Project Number: ANL Accounting Number: (Item 3a in Field Work Proposal)

Other (explain):

List appropriate NEPA Owners:

Division: FMS NEPA Owner:

Financial Plans

To select a Financial Plan, click the magnifying glass icon to open a search window.

Cost Center: **208** Project: **PRJ1003416 Wetland NEPA Cultural Resource** Phase: **PH01 General** Task: **PT2166: NEPA**

Description of Proposed Action

SCOPE: This Environmental Review Form (ERF) will serve as a site-wide generic Categorical Exclusion (CX) to replace Department of Energy (DOE)-Argonne Site Office (ASO) Categorical Exclusion 269 - Routine Grounds and Maintenance Activities dated August 26, 2010, for actions needed to conduct routine grounds and site maintenance activities. These actions include: 1) grading and re-grading of selected areas and storm water conveyances; 2) erosion control and stabilization activities including rip-rap, erosion matting, filter fabric, and silt fencing; 3) landscaping maintenance and horticultural activities around buildings, park areas, and foot trails; 4) tree removal, pruning and planting and grass/lawn maintenance; 5) fertilizer, herbicide, and pesticide applications; 6) installation, maintenance and repair of wood and metal fencing; 7) storm sewer and culvert maintenance; 8) maintenance and operation of the soil, sand, mulch, and gravel storage and recycling areas in the 800 Area, East Area, and 362 Area; 9) winter maintenance activities associated with snow removal and de-icing of roads and walkways; and 10) control of invasive species not covered by DOE-ASO-CX 232 (Habitat Maintenance Activities). RESTRICTIONS: 1) The activities described in this site wide generic CX will not adversely impact wetlands, flood plains, streams, historical/cultural sites, threatened and endangered species or critical habitat. A map indicating locations of these restricted areas is maintained by and available from the Argonne NEPA Reviewer. 2) All actions that may impact the regulated condition of wetland and floodplain areas are not within the scope of this CX. A separate ERF and approval by DOE-ASO/or the US Army Corps of Engineers, if appropriate, will be required prior to starting any wetland or floodplain work. 3) All actions that may impact Federal listed threatened and endangered species or their critical habitat are not within the scope of this CX. A separate ERF and approval by DOE-ASO and consultation with the US Fish and Wildlife Service will be required for any activity that may have adverse impacts. 4) No actions shall occur in areas identified by the State Historic Preservation Officer (SHPO) as archaeologically or historically significant. All ground disturbing work will take place in previously developed sites within the boundaries of the Laboratory. 5) No actions taken under this site wide generic CX will modify or require Federal or State permits such as U.S. Environmental Protection Agency required construction permits, U.S. Army Corps of Engineers dredge and fill permits. The maintenance or replacement of any culverts or other storm water conveyances will not adversely impact wetland water elevations. 6) No actions using this site wide generic CX will discharge process water or wastewater to any storm sewer system. No exterior actions that disturb the earth or otherwise create the potential for uncontrolled soil erosion shall be conducted without an approved Argonne Erosion Control Plan. 7) The removal of native

species live trees greater than six inches in diameter at breast height will require a separate ERF and approval by DOE-ASO. Removal of live trees six inches or less and the removal of all sizes of dead trees, fallen trees, bushes, or associated trimming of damaged or dead limbs, etc., fall within this sitewide generic CX. Dead trees or live or dead limbs that create a safety hazard to structures, equipment, or pedestrians will be removed. Invasive species trees of all sizes may be removed.8) All long-term storage areas shall have permanent erosion control systems in place to prevent non-point source pollution per Section 319 of the Clean Water Act.9) Any actions planned that are not within the scope described, shall require an independent ERF and approval by DOE-ASO.

Description of Affected Environment

All routine grounds and maintenance activities will take place outside of existing buildings and structures. These actions will not affect sensitive environmental resources. Appropriate erosion control techniques are required and will be used during all maintenance actions and activities. The Laboratory's landscape will not be adversely affected. The majority of excess material such as compactable clay soil, landscape debris, asphalt, gravel, sand, and mulch will be recycled by the Laboratory or sub-contractors where possible. Construction debris not recycled will be disposed of in an EPA permitted landfill.

Potential Environmental Effects

- Attach explanation for each "yes" response near bottom of form.
- **See Instructions for Completing Environmental Review Form.**

Section A (Complete For All Projects)		Yes	No	Explanation
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	<input checked="" type="radio"/>	<input type="radio"/>	Pollution prevention and waste minimization opportunities described below.
2.	Air Pollutant Emissions	<input checked="" type="radio"/>	<input type="radio"/>	Minor emissions from cars, light-duty vehicles, gas powered pumps and generators will occur during the normal execution of actions under this site wide generic categorical exclusion. These emissions will be controlled in accordance with ANL LMS-PROC-46 (Clean Air Act and Air Pollution Control and Compliance).
3.	Noise	<input checked="" type="radio"/>	<input type="radio"/>	Most activities will not exceed decibel limits permitted by ANL LMS-PROC-231 (Noise Control and Hearing Conservation). When noise levels are expected to exceed permitted limits, appropriate hearing protection will be required.
4.	Chemical/Oil Storage/Use	<input checked="" type="radio"/>	<input type="radio"/>	Standard maintenance and construction materials are used and stored per Argonne procedures and OSHA regulations. These products could include oils, grease, cleaning products, pesticides and herbicides, cement, etc. The MSDS sheets are stored in an accessible location near the work areas. The laboratory will store liquid calcium chloride in tanks with spill prevention devices at the Building 330J salt dome and distributes the material on roads, parking lots, sidewalks, during the winter months. In addition, bagged salt pellets are stored inside buildings and applied to sidewalks. The minimum amount of material is spread on the roads and salt as necessary to control ice and snow accumulations. The salt storage area is covered and excess spillage is collected. Pesticide storage will be in accordance with manufacturer's label requirements, and any other requirement of Federal, State of Illinois, or local statute. Secondary containment for stored volumes should be utilized, and volumes should not exceed the capacity for secondary containment. The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) delegates to the States control of registered pesticides. ANL LMS-PROC-281 (FIFRA Compliance) assigns lab roles and responsibilities for compliance with FIFRA and State of Illinois laws.
5.	Pesticide Use	<input checked="" type="radio"/>	<input type="radio"/>	Herbicides such as Garlon and Roundup will be applied on the site's grounds and around buildings by State of Illinois licensed applicators or operators to control undesirable vegetation. The herbicides shall be sprayed only when rain is not expected within 24 hours or otherwise directed by the label instructions. The material will not be sprayed on ponds, streams or standing water. Only the minimal amounts needed to accomplish the desired task will be used. Pesticides will be used to control noxious insects, such as roaches, bees, and wasps. The volume of herbicides shall be documented and submitted to the FMS-Grounds Manager in accordance with ANL LMS-PROC-281.

6.	Toxic Substances Control Act (TSCA) Substances			
6a.	Polychlorinated Biphenyls (PCBs)	<input type="radio"/>	<input checked="" type="radio"/>	
6b.	Asbestos or Asbestos Containing Materials	<input type="radio"/>	<input checked="" type="radio"/>	
6c.	Other TSCA Regulated Substances	<input type="radio"/>	<input checked="" type="radio"/>	
6d.	Import or Export of Chemical Substances	<input type="radio"/>	<input checked="" type="radio"/>	
7.	Biohazards	<input type="radio"/>	<input checked="" type="radio"/>	
8.	Effluent/Wastewater (If yes, see question #12 and contact Peter Lynch (FMS-SEP) at 2-4582 or lynch@anl.gov)	<input checked="" type="radio"/>	<input type="radio"/>	Flushing, pressure testing, and cleaning activities may take place associated with storm sewer systems. Any liquid discharges of chlorinated water will be collected and discharged to the sanitary or laboratory sewer system. Storm water will be an effluent from work area and maintenance sites. All storm water will be filtered prior to release from the work areas. All construction and maintenance activities that generate liquid effluent shall follow the approved Erosion Control Plan for the project and/or the Storm Water Pollution Prevention Plan in accordance with ANL LMS-PROC-122 (Water Pollution Control). Pesticide rinse water from washing of equipment, tanks, and empty containers will not enter storm water conveyances or sanitary drains. The approved standard practice is to distribute rinse water in areas previously treated in accordance with ANL LMS-PROC-281.
9.	Waste Management			
9a.	Construction or Demolition Waste	<input checked="" type="radio"/>	<input type="radio"/>	Demolition debris will be 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 soil or gravel storage stockpile areas for other uses or recycled off site by a contractor in accordance with ANL CONST-904 (Manual of Construction Appendix 4 Section A4.4 Environmental Program).
9b.	Hazardous Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9c.	Radioactive Mixed Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9d.	Radioactive Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9e.	Asbestos Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9f.	Biological Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9g.	No Path to Disposal Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9h.	Nano-material Waste	<input type="radio"/>	<input checked="" type="radio"/>	
10.	Radiation	<input checked="" type="radio"/>	<input type="radio"/>	Some grass mowing and site maintenance activities may take place in controlled radiologic areas. Appropriate monitoring and personal protective equipment (PPE) will be used in accordance with ANL LMS-PROC-147 (Access Control).
11.	Threatened Violation of ES&H Regulations or Permit Requirement	<input type="radio"/>	<input checked="" type="radio"/>	
12.	New or Modified Federal or State	<input type="radio"/>	<input checked="" type="radio"/>	

	Permits			
13.	Siting, Construction, or Major Modification of Facility to Recover, Treat, Store, or Dispose of Waste	<input type="radio"/>	<input checked="" type="radio"/>	
14.	Public Controversy	<input type="radio"/>	<input checked="" type="radio"/>	
15.	Historic Structures and Objects	<input type="radio"/>	<input checked="" type="radio"/>	Projects undertaken under this site wide generic CX will not involve modifications to historic structures or objects.
16.	Disturbance of Pre-existing Contamination	<input type="radio"/>	<input checked="" type="radio"/>	
17.	Energy Efficiency, Resource Conserving, and Sustainable Design Features	<input checked="" type="radio"/>	<input type="radio"/>	Grounds maintenance activities will incorporate guidance found in Executive Order 13693 (Planning for Federal Sustainability in the Next Decade), Guidance for Federal Agencies on Sustainable Practices for Designed Landscapes, and the National Strategy to Promote the Health of Honey Bees and Other Pollinators. Asphalt, concrete, and mulch materials will be recycled. Appropriate and allowable recyclable components will be part of the replacement materials. All clean gravel, clay and topsoil and mulch will be recycled. Argonne reduces the salt application in the winter by reducing the amount of roads open to traffic and consequently does not apply salt to those sections of roads. Recycled trees in the form of mulch chips may be used for the creation and maintenance of landscape bedding purposes and habitat improvement where tree debris is simply returned to origin generally throughout the site.
Section B (For Projects that Occur Outdoors)		Yes	No	
18.	Threatened or Endangered Species, Critical Habitats, and/or other Protected Species	<input checked="" type="radio"/>	<input type="radio"/>	At least one threatened or endangered species and its habitat is known to exist at Argonne. The activities described in this sitewide generic CX will not adversely impact threatened and endangered species or critical habitat. A map indicating locations of these restricted areas is maintained by and available from the Argonne NEPA Reviewer. A separate ERF and approval by DOE-ASO and consultation with the US Fish and Wildlife Service will be required for any action that may have adverse impacts.
19.	Wetlands	<input type="radio"/>	<input checked="" type="radio"/>	Projects undertaken under this CX will not involve activities that will impact wetland areas. A separate ERF and approval by DOE-ASO/or the US Army Corps of Engineers, if appropriate, will be required prior to starting any wetland work.
20.	Floodplain	<input type="radio"/>	<input checked="" type="radio"/>	Projects undertaken under this CX will not construct any new or modify any structure that will increase the existing impact within a flood plain or waterway that is connected to Waters of the State.
21.	Landscaping	<input checked="" type="radio"/>	<input type="radio"/>	General site landscape maintenance and installation activities will be conducted under this sitewide generic categorical exclusion. Work will include the maintenance of native grass and shrub areas, and the general maintenance of turf grass areas that require mowing. Native species are encouraged for new plantings unless other selections are determined to be more appropriate. Non-native or invasive species are not to be used. DOE-ASO CX 232 (Habitat Maintenance Activities) will apply when maintenance or modifications to native areas are required.
22.	Navigable Air Space	<input type="radio"/>	<input checked="" type="radio"/>	
23.	Clearing or Excavation	<input checked="" type="radio"/>	<input type="radio"/>	Excavation activities will take place within the limits of this site wide generic CX. Plant beds, trees, and bushes will be weeded, planted, transplanted, and otherwise maintained. Established rain gardens and bio-swales areas will be maintained including weeding, planting and thinning. Materials in the topsoil, clay, and mulch storage piles will be placed, removed, and generally maintained. Culvert and storm sewer lines will be maintained including clean out of and repair of manholes, catch basins, and pipe entrants and exits, and complete replacement, as necessary. All excavations will require an ANL Dig Permit prior to disturbing the earth in accordance with LMS PROC 96 (Excavation, Trenching, Directional Boring, or Pot Holing) Any excess soils left on roadways shall be promptly removed and properly disposed. Stockpiles of recycled as well as new topsoil, clay, gravel, sand, and mulch will be maintained. All these areas shall have appropriate erosion control systems in place and shall be properly maintained. These areas shall follow the Laboratory's Storm Water Pollution Prevention Plan.
24.	Archaeological	<input checked="" type="radio"/>	<input type="radio"/>	Excavation work can occur in previously disturbed areas where soils have been altered; however, known archaeological resources will not be disturbed. The locations of known

	Resources			archaeological resources are available from the FMS Cultural Resources Manager.
25.	Underground Injection	<input type="radio"/>	<input checked="" type="radio"/>	
26.	Underground Storage Tanks	<input type="radio"/>	<input checked="" type="radio"/>	
27.	Public Utilities or Services	<input type="radio"/>	<input checked="" type="radio"/>	
28.	Depletion of a Non-Renewable Resource	<input type="radio"/>	<input checked="" type="radio"/>	
Section C (For Projects Outside of ANL)		Yes	No	
29.	Prime, Unique, or Locally Important Farmland	<input type="radio"/>	<input type="radio"/>	
30.	Special Sources of Groundwater (such as sole source aquifer)	<input type="radio"/>	<input type="radio"/>	
31.	Coastal Zones	<input type="radio"/>	<input type="radio"/>	
32.	Areas with Special National Designations (such as National Forests, Parks, or Trails)	<input type="radio"/>	<input type="radio"/>	
33.	Action of a State Agency in a State with NEPA-type Law	<input type="radio"/>	<input type="radio"/>	
34.	Class I Air Quality Control Region	<input type="radio"/>	<input type="radio"/>	

Categorical Exclusion

Routine Grounds and Maintenance Activities

ANL NEPA Reviewer Use Only

- My approval is the final approval necessary
 This form requires additional approval from DOE

To be Completed by DOE/ASO

Section D	Yes	No
Are there any extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal?	<input type="radio"/>	<input checked="" type="radio"/>
Is the project connected to other actions with potentially significant impacts or related to other proposed action with cumulatively significant impacts?	<input type="radio"/>	<input checked="" type="radio"/>
If yes, is a categorical exclusion determination precluded by 40 CFR 1506.1 or 10 CFR 1021.211?	<input type="radio"/>	<input type="radio"/>
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?	<input checked="" type="radio"/>	<input type="radio"/>

If yes, indicate the class or classes of action from Appendix A or B of Subpart D under which the project may be excluded:
 10 CFR Part 1021, Subpart D, Appendix B 1.3 Routine maintenance. This ERF is approved as a site wide generic categorical exclusion...Routine maintenance activities and custodial services for buildings, structures, infrastructures including grading and re-grading, soil erosion control and stabilization activities, landscaping maintenance and horticultural activities, tree removal, planting, and grass/lawn maintenance, fertilizer, herbicide, pesticide application; B 1.11 Fencing with no adverse effects on wildlife management, surface water flow, storm sewer and culvert maintenance; B1.15 Support buildings, maintenance and

operation of soil, sand, mulch and gravel storage and recycling areas in the 800 Area, East Area, and 362 Area, winter maintenance activities including snow removal, de-icing of roads and walkways, control of invasive species not covered by ASO-CX-344 Site wide Habitat Maintenance Activities.

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.

Attachments

File Description: ASO-CX-345

Comments

This ERF is approved as a site wide generic categorical exclusion and tracked as ASO-CX-345.

Add Approver

Approver Name	Approver Badge	Reason	Delete
Thomas, Scott J.	221857	Grounds Foreman	<input type="checkbox"/>
Sendra, Anthony	45140	Grounds Manager	<input type="checkbox"/>
Sullivan, Casey J.	58262	Natural Resources Manager	<input type="checkbox"/>
			<input type="checkbox"/>

Notifications

The approval notification email will be copied to the people listed below.

Badge	Name	Division	Delete
45884	Sydelko, Thomas G.	FMS	<input type="checkbox"/>

ASO-CX Number

ASO-CX- 345

Comments:

Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Ptak, Jill S.	APPROVED	2017-04-27	2017-04-27 13:30:47.0	Creator :	PRIMARY
Ptak, Jill S.	APPROVED	2017-04-27	2017-04-27 13:30:47.0	Allows access to the form :	PRIMARY
Sydelko, Thomas G.	APPROVED	2017-04-27	2017-04-27 14:19:35.0	Project Manager :	PRIMARY
Sendra, Anthony	APPROVED	2017-04-27	2017-04-27 15:16:54.0	Grounds Manager :	PRIMARY
Sullivan, Casey J.	APPROVED	2017-04-27	2017-04-27 15:09:20.0	Natural Resources Manager :	PRIMARY
Sendra, Anthony for Thomas, Scott J.	APPROVED	2017-04-27	2017-04-27 15:20:15.0	Grounds Foreman :	DELEGATE
Matton, Philip B.	APPROVED	2017-04-27	2017-05-03 09:42:39.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2017-05-03	2017-05-03 17:10:08.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2017-05-03	2017-05-08	ANL-985 Review and Approval :	PRIMARY

Stine, Gail Y.	APPROVED	2017-05-08	11:09:38.0 2017-05-08 14:28:11.0	ANL-985 Review and Approval :	PRIMARY
Lee, Alice J. for Kearns, Paul K.	APPROVED	2017-05-08	2017-05-08 16:13:20.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2017-05-08	2017-05-16 10:54:30.0	ANL-985 DOE-ASO Review and Approval : This ERF is approved and tracked as ASO-CX-345.	PRIMARY
Siebach, Peter R.	APPROVED	2017-05-16	2017-05-19 11:41:10.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY
McKown, Michelle	APPROVED	2017-05-19	2017-05-22 14:58:32.0	Added: :	PRIMARY
