



Environmental Review Form for Argonne National Laboratory

<b>Form:</b>	ANL-985
<b>Version:</b>	5
<b>Your Form ID:</b>	ANL-985-2030
<b>Form Status:</b>	Approved
<b>Date:</b>	6/5/2024 10:36:49 AM
<b>Created By:</b>	Diaz, Marcus A., Jr.

**Creator**

Badge:	<b>58677</b>	Name:	<b>Diaz, Marcus A., Jr.</b>
Cost Center:	<b>510</b>	Division:	<b>FAC</b>
Job Title:	<b>Foreman, High Voltage</b>	Employee Type:	<b>Regular Full-Time Non-Exempt</b>
Building:	<b>145</b>	Lab Extension:	<b>2-7012</b>

**General Information**

Project/Activity Title: Steam line proactive tree clearing/ removal  
ASO NEPA Tracking No.: 4283 Type of Funding:  
B & R Code: Identifying Number: 01925  
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: IS NEPA Owner:

**Financial Plans**

To select a Financial Plan, click the magnifying glass icon to open a search window.  
Cost Center: **510** Project: **PRJ1002943 IS - Utility Systems** Phase: **PH01 General** Task: **PT3660: Electric Dist**

**Description of Proposed Action**

Argonne plans to remove trees in an area and situation that has a history of tree failure north of Substation 544. Utilities plans to remove native trees over 6" diameter, which is beyond the ASO-CX-345 Routine Grounds Activities allowance for the Argonne Grounds group to remove trees. The trees selected for removal would be: 3 black cherry trees of 8-inch diameter, 2 black cherry trees each 7-inches in diameter, and one hickory tree 9-inches in diameter. The trees would be removed by the Davey Tree Service upon approval of this request. The now original steam line installation excavated into the supporting soil of the adjacent native forest. Over time erosion and slumping of the remaining soil has weakened the tree's support. In addition, with the advent of tree growth in size and weight, several of the immediate trees have fallen on the high voltage wires and a steam line with commensurate damage to utilities and poses work risk to support workers. The 6 trees identified are suspected of the same risk of tree failure and proposed for removal.

**Description of Affected Environment**

The affected environment is at Argonne National Lab in Lemont, IL, within the existing native woodland north of Substation 544 and continuing northeast towards Building 108 adjacent to the existing above-ground steam line. Removal of the trees would reduce the extent of the native forest and create a larger opening for the purpose of maintaining a utility corridor in this area. The trees are of species and sizes supporting other life forms potentially including insects, birds, and mammals. The two tree species are otherwise well represented in this and the remaining Argonne forested areas. The resulting clearing would be maintained as low-growing herbaceous vegetation of a species tolerant of intermittent mowing as found throughout the Laboratory existing utility areas.

**Potential Environmental Effects**

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

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 type="radio"/>	<input checked="" type="radio"/>	All material will be removed from site by Davey Tree.
2.	Air Pollutant Emissions	<input type="radio"/>	<input checked="" type="radio"/>	
3.	Noise	<input type="radio"/>	<input checked="" type="radio"/>	
4.	Chemical/Oil Storage/Use	<input type="radio"/>	<input checked="" type="radio"/>	
5.	Pesticide Use	<input type="radio"/>	<input checked="" type="radio"/>	
6.	<b>Toxic Substances Control Act (TSCA) Substances</b>			
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 (HSE) at 2-4582 or lynch@anl.gov)	<input type="radio"/>	<input checked="" type="radio"/>	
9.	<b>Waste Management</b>			
9a.	Construction or Demolition Waste	<input type="radio"/>	<input checked="" type="radio"/>	
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"/>	
	No Path to			

	9g.	Disposal Waste	<input type="radio"/>	<input checked="" type="radio"/>	
	9h.	Nano-material Waste	<input type="radio"/>	<input checked="" type="radio"/>	
10.		Radiation	<input type="radio"/>	<input checked="" type="radio"/>	
11.		Threatened Violation of ES&H Regulations or Permit Requirement	<input type="radio"/>	<input checked="" type="radio"/>	
12.		New or Modified Federal or State Permits	<input type="radio"/>	<input checked="" type="radio"/>	
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"/>	
16.		Disturbance of Pre-existing Contamination	<input type="radio"/>	<input checked="" type="radio"/>	
17.		Energy Efficiency, Resource Conserving, and Sustainable Design Features	<input type="radio"/>	<input checked="" type="radio"/>	
<b>Section B (For Projects that Occur Outdoors)</b>			<b>Yes</b>	<b>No</b>	
18.		Threatened or Endangered Species, Critical Habitats, and/or other Protected Species	<input checked="" type="radio"/>	<input type="radio"/>	The trees are of a size that may support the endangered species Northern Long-Eared Bat. In this case, the 4-D rule remains in place for tree removal until the US Fish and Wildlife Service provides final guidance on the endangered Northern Long-Eared Bat which the Service has stated will be issued in the latter half of 2024. Per the 4-D rule no trees shall be removed during the pup season June 1 through July 31 within 150-foot radius of a maternity roost tree. Otherwise, tree clearing among development actions has not been shown to have a significant negative impact to the northern long-eared bat. Assuming the presence of the Northern Long-Eared Bat and of roost trees in the woodland at Argonne, proposed tree removal would be scheduled between September and April to avoid the pup season. The 4-D Rule and Northern Long-Eared Bat provisions can be found here: <a href="https://www.federalregister.gov/d/2016-00617">https://www.federalregister.gov/d/2016-00617</a>
19.		Wetlands	<input type="radio"/>	<input checked="" type="radio"/>	
20.		Floodplain	<input type="radio"/>	<input checked="" type="radio"/>	
21.		Landscaping	<input type="radio"/>	<input checked="" type="radio"/>	
22.		Navigable Air Space	<input type="radio"/>	<input checked="" type="radio"/>	
23.		Clearing or Excavation	<input type="radio"/>	<input checked="" type="radio"/>	
24.		Archaeological Resources	<input type="radio"/>	<input checked="" type="radio"/>	
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	<input type="radio"/>	<input checked="" type="radio"/>	

	Resource		
<b>Section C (For Projects Outside of ANL)</b>		<b>Yes</b>	<b>No</b>
29.	Prime, Unique, or Locally Important Farmland	<input type="radio"/>	<input checked="" type="radio"/>
30.	Special Sources of Groundwater (such as sole source aquifer)	<input type="radio"/>	<input checked="" type="radio"/>
31.	Coastal Zones	<input type="radio"/>	<input checked="" type="radio"/>
32.	Areas with Special National Designations (such as National Forests, Parks, or Trails)	<input type="radio"/>	<input checked="" type="radio"/>
33.	Action of a State Agency in a State with NEPA-type Law	<input type="radio"/>	<input checked="" type="radio"/>
34.	Class I Air Quality Control Region	<input type="radio"/>	<input checked="" type="radio"/>

### Categorical Exclusion

#### 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: The project may be excluded under the following classes of action from Appendix B of 10 CFR 1021 Subpart D: B 1.3 Routine maintenance, B 1.5 Existing steam plants and cooling water systems, and		
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: pic of area [View Attachment](#)

### Comments

#### Add Approver

Approver Name	Approver Badge	Reason	Delete

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## Notifications

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

Badge	Name	Division	Delete
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## ASO-CX Number

### ASO-CX- 409

Comments:

This DOE NEPA CX approval is tracked as ASO-CX-409.

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## Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Diaz, Marcus A., Jr.	APPROVED	2024-08-08	2024-08-08 14:19:38.0	Creator :	PRIMARY
Diaz, Marcus A., Jr.	APPROVED	2024-08-08	2024-08-08 14:19:38.0	Project Manager :	PRIMARY
Andersen, Karyn Elizabeth Schoch	APPROVED	2024-08-08	2024-08-23 11:58:11.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2024-08-23	2024-08-23 13:20:27.0	ANL NEPA Reviewer : <b>Proposed removal of trees above ASO-CX-345 limit</b>	PRIMARY
Hellman, Karen Sue	APPROVED	2024-08-23	2024-08-27 10:23:16.0	ANL-985 Review and Approval :	PRIMARY
Dunn, Michael W.	APPROVED	2024-08-27	2024-09-03 10:17:31.0	ANL-985 ANL Deputy COO Review and Approval :	PRIMARY
Joshi, Kaushik N.	APPROVED	2024-09-03	2024-09-16 16:53:50.0	ANL-985 DOE-ASO Review and Approval : <b>This DOE NEPA ERF CX approval is tracked as ASO-CX-409.</b>	PRIMARY
Siebach, Peter Rudolf	APPROVED	2024-09-16	2024-09-16 18:52:10.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY

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**B544**