



Environmental Review Form for Argonne National Laboratory

<b>Form:</b>	ANL-985
<b>Version:</b>	4
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<b>Created By:</b>	McGhee, Jeffery

**Creator**

Badge:	44645	Name:	McGhee, Jeffery
Cost Center:	206	Division:	NWM
Job Title:	Sr. Principal Safety and Compliance Specialist	Employee Type:	Regular Full-Time Exempt
Building:	212	Lab Extension:	2-5712

**General Information**

Project/Activity Title: Demolition of Building 375D and Emergency Response Training during demolition process

ASO NEPA Tracking No.: 2545      Type of Funding: Laboratory

B & R Code:      Identifying Number: 01636

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:

**Cost Code**

Task: 0330800 Center: 208 Project: Activity:

**Description of Proposed Action**

Building 375D is a light steel frame construction with a gable roof. The facility was used as a storage facility constructed in 1970 with no modifications to the original structure. The total footprint of the building is 963 square feet. Prior to the start of demolition the area around Building 375D will be demarcated including erection of signage, and during the process the work will be paused for Emergency response training to be conducted which will include invasive operations. Following completion of the training work will resume for completion of the structural demolition with all debris removed from the site. The building has remained empty since 2008 when the Intense Pulsed Neutron Source (IPNS) was shut down, and this facility no longer meets the Laboratory's mission need. The structure is an outdated special purpose facility that has exceeded both the mission function and design life. Currently the facility is a liability for surveillance and maintenance, and as an antiquated facility removal would be consistent with the DOE-SC goal of asset utilization. Use for emergency response training including invasive operations allows a final useful purpose of the structure during demolition.

**Description of Affected Environment**

The demolition and emergency response training will impact the Building 375D structure and immediate surrounding area. Because there are low levels of lead present in some of the exterior paint wet methods will be utilized to keep dusts down and controls will be placed in the area to control runoff. The completion of demolition of the structure will follow the training. During the entire demolition and training evolution demarcation of the area will be erected until demolition and site restoration is completed.

**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"/>	Where possible metals and other recyclable materials will be separated as part of the project and directed away from landfill disposition pathways
2.	Air Pollutant Emissions	<input checked="" type="radio"/>	<input type="radio"/>	Due to detected levels of lead in some painted exterior surfaces wet/damp methods will be employed to keep dusts down
3.	Noise	<input checked="" type="radio"/>	<input type="radio"/>	During demolition activities such as concrete removal there may be noise levels above the OSHA action limit, however these will be brief and proper protection for employees will be in place.
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"/>	Characterization completed in 2012 showed no presence of PCB
6b.	Asbestos or Asbestos Containing Materials	<input type="radio"/>	<input checked="" type="radio"/>	Characterization completed in 2012 showed no presence of asbestos containing materials
6c.	Other TSCA Regulated Substances	<input type="radio"/>	<input checked="" type="radio"/>	Characterization completed in 2012 showed no presence of other TSCA regulated substances
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 type="radio"/>	<input checked="" type="radio"/>	
9.	<b>Waste Management</b>			
9a.	Construction or Demolition Waste	<input checked="" type="radio"/>	<input type="radio"/>	Completed demolition of the structure and associated pad is planned. Materials will be dispositioned in a manner consistent with the Federal regulations and DOE directives/guidance. Recycling will occur where possible. All materials will be managed in the most cost effective manner available
9b.	Hazardous Waste	<input checked="" type="radio"/>	<input type="radio"/>	There is presence of lead in some exterior paint that could be a concern depending on the disposition pathway chosen. Where possible recycling of the sheet metal that is painted will be chosen to allow maximum reuse.
9c.	Radioactive Mixed Waste	<input type="radio"/>	<input checked="" type="radio"/>	
9d.	Radioactive Waste	<input checked="" type="radio"/>	<input type="radio"/>	Characterization in 2012 showed Carbon 14 concentrations above the background average for Argonne in the concrete, and Europium 152, Europium 155 and Hydrogen 3 (Tritium) in a sump sampled. These will be verified as part of the demolition and if elevated the material will be handled and disposed of as Low Level Radioactive Waste, based on the sample results from the characterization report.
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"/>	There is not a radiation field above background in the facility, however because of the slightly elevated concentration of C-14 in the concrete and Eu and Tritium in the sump this has been selected.
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 type="radio"/>	<input checked="" type="radio"/>	
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 checked="" type="radio"/>	<input type="radio"/>	Removal of the concrete pad upon which the steel structure is placed would involve some excavation and backfill with gravel
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 Resource	<input type="radio"/>	<input checked="" type="radio"/>	
<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**

Other (Use field below to enter other categorical exclusion)

A project specific CX is required from DOE ASO for this proposed action.

**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: DOE approves this ERF under the following categories of 10 CFR Part 1021, Subpart D, Appendix B: B 1.23 Demolition and disposal of 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.		

## Attachments

**File Description:** characterization report [View Attachment](#)

**File Description:** structure photo [View Attachment](#)

**File Description:** lead paint report [View Attachment](#)

## Comments

### Add Approver

Approver Name	Approver Badge	Reason	Delete
Murdoch, Colin M.	207696	project Manager	<input type="checkbox"/>
Rock, Cynthia M.	48996	program manager	<input type="checkbox"/>

## Notifications

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

Badge	Name	Division	Delete
207696	Murdoch, Colin M.	FMS	<input type="checkbox"/>

## ASO-CX Number

**ASO-CX- 343**

Comments:

DOE tracks this ERF approval as ASO-CX-343

## Approval

Approver	Action	Date Routed	Action Date	Approval Reason / Comments	Approval Type
McGhee, Jeffery	APPROVED	2017-03-12	2017-03-12 23:02:34.0	Creator :	PRIMARY
McGhee, Jeffery	APPROVED	2017-03-12	2017-03-12 23:02:34.0	Allows access to the form :	PRIMARY
McGhee, Jeffery	APPROVED	2017-03-12	2017-03-12 23:02:34.0	Project Manager :	PRIMARY
Rock, Cynthia M.	APPROVED	2017-03-12	2017-03-13 17:26:45.0	program manager :	PRIMARY
Murdoch, Colin M.	APPROVED	2017-03-12	2017-03-15 07:09:35.0	project Manager :	PRIMARY
Matton, Philip B.	APPROVED	2017-03-15	2017-03-22 15:39:39.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY

Ptak, Jill S.	APPROVED	2017-03-22	2017-03-24 10:16:27.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2017-03-24	2017-03-30 16:35:52.0	ANL-985 Review and Approval :	PRIMARY
Stine, Gail Y.	APPROVED	2017-03-30	2017-03-30 16:41:03.0	ANL-985 Review and Approval :	PRIMARY
Lee, Alice J. for Kearns, Paul K.	APPROVED	2017-03-30	2017-03-30 20:19:20.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2017-03-30	2017-04-03 10:49:26.0	ANL-985 DOE-ASO Review and Approval : <b>ASO-CX-343</b>	PRIMARY
Siebach, Peter R.	APPROVED	2017-04-03	2017-04-03 16:01:00.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY

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