

### Environmental Review Form for Argonne National Laboratory

Form: ANL-985

Version: 4

Your Form ID: ANL-985-861 Form Status: Approved

Date: 3/8/2017 9:26:43 AM Created By: 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 Bldg 375A and Emergency Response Training

ASO NEPA Tracking No.: 2546 Type of Funding: Laboratory

B & R Code: Identifying Number: 01637

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 375A is a light steel and wood frame construction with a flat roof. The facility was used as a temporary office structure constructed in 1970 with no modifications to the original structure. The total footprint of the building is 952 square feet. The area will be demarcated and demolition activities will begin, and be paused to allow Building 375A to be used for Emergency response training which will include invasive operations. Following completion of the training the demolition of the structure will recommence and 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 The structure is an outdated special purpose facility that has exceeded both the mission function and design life.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 prior to demolition.

### **Description of Affected Environment**

Demarcation of the area and initial demolition activities will begin and then be paused to allow for emergency response training. During emergency response training the structure windows and doors along with the roofing may be damaged, and immediately following the training the demolition activity will resume and continue until completed. Demolition will consist of the structure removal and disposal consistent with applicable regulations.

#### **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)		No	Explanation	
Project evaluated for Pollution Prevention and Waste Minimization opportunities and details provided under items 2, 4, 6, 7, 8, 16, and 20	_		Where possible materials will be recycled as part of the demolition process. Use of the facility for emergency response training allowing intrusive operations alleviates the need to construct a structure for	

	oelo	ow, as applicable			this purpose.		
2. <i>A</i>			•	o	Asbestos is present in the facility, all removal will be completed in accordance with the IEPA requirements using a licensed contractor or on site resources. Notification to the IEAP for demolition/removal the asbestos has been completed on March 2, 2017		
5		О	$\odot$				
		О	$\odot$				
5. F	es es	ticide Use	О	$\odot$			
		cic Substances Control Act (TSCA) ostances					
6	Sa.	Polychlorinated Biphenyls (PCBs)	•	o	PCB was detected in the painted surfaces on the walls of Room 00 North wall. This sample exceeded the regulatory limit for solid containing PCB and will be separated and dispositioned in accordance with the applicable TSCA requirements.		
6	6b.	Asbestos or Asbestos Containing Materials	•	0	Floor tile in Room 001 of the structure was determined to contain asbestos, and will be remediated as required for the demolition and removal of the structure.		
6	Sc.	Other TSCA Regulated Substances	0	⊙			
[6	3d.	Import or Export of Chemical Substances	0	⊙			
7. E	3iol	nazards	О	$\odot$			
8.  a	and	uent/Wastewater (If yes, see question #12 contact Peter Lynch (FMS-SEP) at 582 or lynch@anl.gov)	0	•			
9. <b>V</b>	<b>Na</b> :	ste Management					
g	9а.	Construction or Demolition Waste	•	o	Where possible debris will be separated for recycling and all dispos will be in accordance with the regulatory requirements applicable to the materials types and DOE directives/guidance.		
9	9b.	Hazardous Waste	О	⊙	None were identified in the 2012 characterization report		
9	Эс.	Radioactive Mixed Waste	О	⊙			
9	9d.	Radioactive Waste	О	⊙			
g	Эе.	Asbestos Waste	•	0	Floor tile from room R001 contains asbestos, notification has be made to the IEPA for management of this material, and removal management will be done in accordance with the IEPA regulator requirements		
	9f.	Biological Waste	0	•			
9	9g.	No Path to Disposal Waste	0	•			
	9h.	Nano-material Waste	0	⊙			
10. F	 Rac	liation	0	•			
		eatened Violation of ES&H Regulations or mit Requirement	0	•			
12. N	Nev	v or Modified Federal or State Permits	0	$\odot$			
13.  F	Siting, Construction, or Major Modification of B. Facility to Recover, Treat, Store, or Dispose of Waste		О	•			
===		lic Controversy	0	•			
===		toric Structures and Objects	0	•			
===		turbance of Pre-existing Contamination	0	•			
. 7 E	Ξne	ergy Efficiency, Resource Conserving, and stainable Design Features	0	•			
		Yes	No				
T	Thre	eatened or Endangered Species, Critical bitats, and/or other Protected Species	0	•			
===		tlands	0	•			

20.	Floodplain	О	$\odot$	
21.	Landscaping	О	⊙	
22.	Navigable Air Space	О	⊙	
23.	Clearing or Excavation	•	0	minor excavation will be needed to remove any utility connection stubs and concrete footers. Area will be backfilled with gravel following excavation.
24.	Archaeological Resources	О	⊙	
25.	Underground Injection	О	⊙	
26.	Underground Storage Tanks	О	⊙	
27.	Public Utilities or Services	О	⊙	
28.	Depletion of a Non-Renewable Resource	О	⊙	
	Section C (For Projects Outside of ANL)	Yes	No	
29.	Prime, Unique, or Locally Important Farmland	О	⊙	
30.	Special Sources of Groundwater (such as sole source aquifer)	O	•	
31.	Coastal Zones	О	⊙	
32.	Areas with Special National Designations (such as National Forests, Parks, or Trails)	О	•	
33.	Action of a State Agency in a State with NEPA-type Law	c	•	
34.	Class I Air Quality Control Region	О	⊙	

### **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?	0	•
Is the project connected to other actions with potentially significant impacts or related to other proposed action with cumulatively significant impacts?	0	•
If yes, is a categorical exclusion determination precluded by 40 CFR 1506.1 or 10 CFR 1021.211?	0	0
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?	•	0

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 B 1. 16 Asbestos removal B 1.17 Polychlorinated biphenyl removal

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: 375 A characterization summary and IEPA permit View Attachment
File Description: full characterization report

View Attachment

#### Comments

**Add Approver** 

Approver Name	Approver Badge	Reason	Delete
Rock, Cynthia M.	48996	program manager	
Murdoch, Colin M.	207696	project manager	

# **Notifications**

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

Badge	Name	Division	Delete
207696	Murdoch, Colin M.	FMS	

# **ASO-CX Number**

# ASO-CX- 342

Comments:

DOE ASO and DOE Chicago track this ERF approval as ASO-CX-342

# **Approval**

<u>Approver</u>	<u>Action</u>	Date Routed	Action Date	Approval Reason / Comments	<u>Approval</u> <u>Type</u>
McGhee, Jeffery	APPROVED	2017-03-08	2017-03-08 12:18:26.0	Creator:	PRIMARY
McGhee, Jeffery	APPROVED	2017-03-08	2017-03-08 12:18:26.0	Allows access to the form:	PRIMARY
McGhee, Jeffery	APPROVED	2017-03-08	2017-03-08 12:18:26.0	Project Manager :	PRIMARY
Rock, Cynthia M.	APPROVED	2017-03-08	2017-03-08 12:29:03.0	program manager :	PRIMARY
Murdoch, Colin M.	APPROVED	2017-03-08	2017-03-13 08:27:36.0	project manager :	PRIMARY
Matton, Philip B.	APPROVED	2017-03-13	2017-03-22 15:52:06.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2017-03-22	2017-03-24 10:09:55.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2017-03-24	2017-03-27 14:49:23.0	ANL-985 Review and Approval :	PRIMARY
Stine, Gail Y.	APPROVED	2017-03-27	2017-03-27 14:57:17.0	ANL-985 Review and Approval :	PRIMARY
Lee, Alice J. for Kearns, Paul K.	APPROVED	2017-03-27	2017-03-27 15:30:44.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2017-03-27	2017-03-30 15:46:51.0	ANL-985 DOE-ASO Review and Approval : <b>ASO-CX-342</b>	PRIMARY
Siebach, Peter R.	APPROVED	2017-03-30	2017-04-04 17:54:33.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY