

Environmental Review Form for Argonne National Laboratory

Form: ANL-985

Version: 5

Your Form ID: ANL-985-1457 Form Status: Approved

Date: 6/16/2020 2:59:50 PM **Created By:** Murdoch, Colin M.

DDB390-B1: DDB390B1 Project

Creator

Badge: 207696 Name: Murdoch, Colin M.

Cost Center: 208 Division: PMO

Job Title: Project Manager Employee Type: Regular Full-Time Exempt

Building: 214 Lab Extension: 2-5829

General Information

Project/Activity Title: Buildings 389B and 390 D&D Project ASO NEPA Tracking No.: 3173 Type of Funding:

B & R Code: Identifying Number: 01785

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: PMO NEPA Owner:

Financial Plans

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

Cost 200 Project PRJ1008352 IPNS D&D Bldgs 390

Center: Project: And 389B Project: Phase: GEN Task: Managent Controls

Description of Proposed Action

Decommissioning and demolition of buildings 389B and 390. These are former support/maintenance buildings for the IPNS facility. The buildings were vacated and declared excess in 2011, buildings have not been maintained for occupancy since. Decommissioning activities will include; remove and dispose of excess equipment and materials; disposal of legacy low level and mixed waste items, abatement of asbestos materials, disposal of universal and hazardous waste, and characterization of clean demolition debris for recycling. The project end state is the demolition and waste removal of the above grade structures and components of the two buildings.

Description of Affected Environment

Argonne Site in Lemont, Illinois Buildings 389B & 390. There are metal framed structures with metal siding. The facilities were purpose built structures with no future mission need, and are past their life cycle. The work is bounded by the building footprints and will not require removal of the existing floor slab or disturbance of subsurface soils. The location of the building has been developed and paved as part of the IPNS complex. Total area of demolition for the two buildings is 2,437 square feet.

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	•	0	The objective of Building decommissioning activities is remove hazardous materials and other regulatory controls for recycling demolition debris.	

2.	Air	Pollutant Emissions	•	0	Work Planning and Controls will be implemented to mitigate airborne emissions that may result for abetment and demolition activities
3.	Noise		•	\circ	heavy equipment operations in the vicinity during demolition of structures
4.	Che	emical/Oil Storage/Use	О	\odot	None present
5.	Pes	Pesticide Use		\odot	Not required
6.		Toxic Substances Control Act (TSCA) Substances			
	6a.	Polychlorinated Biphenyls (PCBs)	•	0	Potential PCB light ballasts. NWM to remove and dispose prior to demolition under divisional waste handling procedures
	6b. Asbestos or Asbestos Containing Materials		•	O	ACM identified in floor tile/mastic and pipe insulation in building 390. NWM to abate ACM prior to demolition under divisional procedures.
	6c. Other TSCA Regulated Substances		\circ	⊚	None
	6d.	Import or Export of Chemical Substances	C	•	Not Applicable
7.	Bio	hazards	0	⊙	None
8.	#12	uent/Wastewater (If yes, see question 2 and contact Peter Lynch (HSE) at 582 or lynch@anl.gov)	•	0	Total area of demolition for the two buildings is 2,437 square feet, incidental wastewater from dust control misting would be generated.
9.	Wa	ste Management			
	9a.	Construction or Demolition Waste	•	О	Aluminum, steel and concrete. smaller quantities of fiberglass insulation and building finishes.
	9b.	Hazardous Waste	•	О	Potential PCB, mercury in florescence lamps. NWM to remove and dispose prior to demolition.
	9c.	Radioactive Mixed Waste	•	О	Removal of fume hoods, ducts and drain lines with potential leaded solder and brass components.
	9d. Radioactive Waste 9e. Asbestos Waste		⊙	\circ	Removal of two fume hoods, ducts and drain lines.
			•	О	ACM identified in floor tile/mastic and pipe insulation in building 390. NWM to abate ACM prior to demolition under divisional procedures.
	9f.	Biological Waste	0	⊙	None
	9g.	No Path to Disposal Waste	0	⊙	None
	9h.	Nano-material Waste	0	⊙	None
10. Radiation		diation	•	0	Work will be performed in compliance with regulatory requirements for occupational radiation protection as defined in 10 CFR 835, ¿Occupational Radiation Protection. ¿Radiological protection is the means and practices to minimize exposure or potential exposure to radiological hazards
11.		Threatened Violation of ES&H Regulations or Permit Requirement		•	Not applicable
12.	Nev	w or Modified Federal or State Permits	О	\odot	Demolition of existing abandoned structure
13.	of F	ng, Construction, or Major Modification Facility to Recover, Treat, Store, or pose of Waste	0	•	Not applicable
14.		blic Controversy	0	⊙	Demolition of existing abandoned structure
		toric Structures and Objects	О	•	These buildings were for maintenance support and power supply for the IPNS accelerator, but not part of the functioning accelerator of neutron scattering target. Historical review letter attached.
16.	Dis	turbance of Pre-existing Contamination	0	c	Decommissioning work on areas or systems with known fixed contamination or potential internal contamination has the possibility for generating radioactive contamination. The radiological protection program requires appropriate contamination control to prevent inadvertent transfer of contamination
17.		ergy Efficiency, Resource Conserving, I Sustainable Design Features	c	•	
	Se	ction B (For Projects that Occur Outdoors)	Yes	No	

18.	Threatened or Endangered Species, Critical Habitats, and/or other Protected Species	0	•	Demolition of existing structure	
19.	Wetlands	О	\odot	Demolition of existing structure	
20.	Floodplain	О	\odot	Demolition of existing structure	
21.	Landscaping	О	\odot	Demolition of existing structure	
22.	Navigable Air Space	О	\odot	Demolition of existing structure	
23.	Clearing or Excavation	О	\odot	Demolition of existing above grade structure	
24.	Archaeological Resources	О	\odot	previously disturbed soil.	
25.	Underground Injection	О	\odot	Not applicable	
26.	Underground Storage Tanks	О	\odot	None present	
27.	Public Utilities or Services	О	\odot	Only on-site utilities and services will be disconnected	
28.	28. Depletion of a Non-Renewable Resource		\odot	Not applicable	
Section C (For Projects Outside of ANL)			No		
29.	Prime, Unique, or Locally Important Farmland	0	•	Not applicable	
30.	Special Sources of Groundwater (such as sole source aquifer)	О	•	Not applicable	
31.	Coastal Zones	0	\odot	Not applicable	
32.	Areas with Special National Designations (such as National Forests, Parks, or Trails)	О	•	Not applicable	
33.	Action of a State Agency in a State with NEPA-type Law	О	•	Not applicable	
34.	Class I Air Quality Control Region	О	Not applicable		

Categorical Exclusion

Other (Use field below to enter other 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?	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:

This project may be excluded under the 10 CFR 1021, Subpart D, Appendix B, Category: 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: SHPO letter View Attachment

Comments

None

Add Approver

Approver Name	Approver Badge	Reason	Delete	

Notifications

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

Badge	Name	Division	Delete

ASO-CX Number

ASO-CX-375

Comments:

This DOE approval of the NEPA ERF CX is tracked as: ASO-CX-375

and not ASO-CX 374

Approval

<u>Approver</u>	<u>Action</u>	Date Routed	Action Date	Approval Reason / Comments	<u>Approval</u> <u>Type</u>
Murdoch, Colin M.	APPROVED	2020-07-28	2020-07-28 09:57:24.0	Creator :	PRIMARY
Murdoch, Colin M.	APPROVED	2020-07-28	2020-07-28 09:57:24.0	Project Manager :	PRIMARY
Andersen, Karyn Elizabeth Schoch	APPROVED	2020-07-28	2020-07-29 15:51:41.0	NEPA Owner Approval for Argonne Environmental Review:	PRIMARY
Ptak, Jill S.	APPROVED	2020-07-29	2020-07-30 17:14:12.0	ANL NEPA Reviewer:	PRIMARY
Hellman, Karen B.	APPROVED	2020-07-30	2020-08-18 14:20:13.0	ANL-985 Review and Approval :	PRIMARY
Dunn, Michael W. for Kearns, Paul K.	APPROVED	2020-08-18	2020-08-19 07:15:29.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2020-08-19	2020-08-27 16:01:42.0	ANL-985 DOE-ASO Review and Approval: The DOE approval is tracked as ASO-CX-374	PRIMARY
Siebach, Peter Rudolf	APPROVED	2020-08-27	2020-09-02 16:37:01.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY