



Environmental Review Form for Argonne National Laboratory

Form:	ANL-985
Version:	5
Your Form ID:	ANL-985-1321
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Created By:	Freedman, Tiffany Cr

Creator

Badge:	306317	Name:	Freedman, Tiffany Cr
Cost Center:	254	Division:	WSH
Job Title:	ESH Multi-Functional 2	Employee Type:	Regular Full-Time Exempt
Building:		Lab Extension:	2-5767

General Information

Project/Activity Title: APS Upgrade Project-Offsite Building Utilization

ASO NEPA Tracking No.:	Type of Funding:
B & R Code:	Identifying Number: 001
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: PSC NEPA Owner:

Financial Plans

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

Cost Center: Project: Phase: Task:

Description of Proposed Action

The Advanced Photon Source (APS) is a major national user facility providing high-brilliance x-ray beams for users from Argonne National Laboratory (ANL), other national laboratories, academic institutions, governmental bodies, and industrial firms. Synchrotron radiation emitted by circulating electron beams is used as the source of x-rays for probing the structure of matter and for studying various physical and chemical processes. The APS presently uses a stored circulating electron beam current of 102 mA at an electron energy level of 7.0 GeV (representing a stored energy level of 2630 J) during normal operations. The highest electron energy level achievable is 7.7 GeV. The facility is authorized to operate with a safety limit for stored energy level of 9280 J (representing a maximum stored electron beam current of 327 mA at 7.7 GeV or 360 mA at 7.0 GeV). The proposed action includes activities involved with removal of the existing storage ring and associated equipment followed by installation of the new storage ring and associated equipment. An existing NEPA categorical exclusion, ASO-CX-313 has been issued by the Argonne Site Office to cover this portion of the APS Upgrade project. The appropriate information from that CX is repeated in this revision. This revision addresses further scope that has now been defined for the proposed action. The further scope includes activities associated with receiving, assembly, testing, storage and shipping of upgrade components in an offsite facility leased by the Advanced Photon Source Upgrade Project.

Description of Affected Environment

The baseline description of the affected environment is provided in the Environmental Assessment for Enhanced Operations of the Advanced Photon Source at Argonne National Laboratory-East, Argonne, Illinois, DOE/EA-1455, June 2003. The offsite area, located at approximately 101st Street and Lemont Road and is not expected to be significantly affected as work planned is consistent with no environmental impact type industry occupants. No external construction will occur at this location. Any construction activities will be internal to the building and limited to the reconfiguration of partitions and offices with addition or reconfiguration of occupant HVAC.

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"/>	See explanations as inputted for items 2 and 4.
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 checked="" type="radio"/>	<input type="radio"/>	Various adhesive and cleaning and compounds will be present during assembly and testing activities. Safety Data Sheets will be readily available during assembly and testing when chemicals are present. Storage of chemicals will be limited consistent with Argonne procedures in approved cabinets and containers. These chemicals may include, but are not limited to, the use of methanol, ethanol and acetone.
5.	Pesticide Use	<input checked="" type="radio"/>	<input type="radio"/>	This will be limited to exterminator services commercially procured.
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 (HSE) at 2-4582 or lynch@anl.gov)	<input type="radio"/>	<input checked="" type="radio"/>	
9.	Waste Management			
9a.	Construction or Demolition Waste	<input checked="" type="radio"/>	<input type="radio"/>	If construction activities inside the building are conducted the subcontractor will be responsible for management of these wastes
9b.	Hazardous Waste	<input checked="" type="radio"/>	<input type="radio"/>	Small quantity generator at most, however where possible substitution or process controls will limit generation of waste
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 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"/>	Leasing an existing building and facility
Section B (For Projects that Occur Outdoors)		Yes	No	
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 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 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 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:

This project may be excluded under the following Categorical Exclusion: 10 CFR Part 1021, Subpart D, Appendix B, Categories: B1.15 Support buildings, and B1.31 Installation or relocation of machinery and equipment

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: Building Spec Sheet provided by Commercial Real Estate Associates [View Attachment](#)

Comments

Add Approver

Approver Name	Approver Badge	Reason	Delete
Rossi, Paul	57494	NEPA Owner	
McGhee, Jeffery	44645	EHS Coordinator	

Notifications

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

Badge	Name	Division	Delete
229103	Peoples-Evans, Elmie A.	PSC	
44645	McGhee, Jeffery	WSH	

ASO-CX Number

ASO-CX- 364

Comments:

DOE ASO tracks this categorical exclusion as ASO-CX-364.

Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Freedman, Tiffany Cr	APPROVED	2019-09-23	2019-09-23 15:43:29.0	Creator :	PRIMARY
Freedman, Tiffany Cr	APPROVED	2019-09-23	2019-09-23 15:43:29.0	Allows access to the form :	PRIMARY
Freedman, Tiffany Cr	APPROVED	2019-09-23	2019-09-23 15:43:29.0	Project Manager :	PRIMARY
McGhee, Jeffery	APPROVED	2019-09-23	2019-09-23 15:51:46.0	EHS Coordinator :	PRIMARY
Rossi, Paul	APPROVED	2019-09-23	2019-09-23 17:02:11.0	NEPA Owner :	PRIMARY
Rossi, Paul	APPROVED	2019-09-23	2019-09-23 17:02:11.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2019-09-23	2019-10-02 17:15:44.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2019-10-02	2019-10-18 14:56:50.0	ANL-985 Review and Approval :	PRIMARY
Hellman, Karen B. for Stine, Gail Y.	APPROVED	2019-10-18	2019-11-06 12:18:22.0	ANL-985 Review and Approval :	DELEGATE
Kearns, Paul K.	APPROVED	2019-11-06	2019-11-06 16:10:00.0	ANL-985 ANL COO Review and Approval :	PRIMARY

Joshi, Kaushik N.	APPROVED	2019-11-06	2019-11-07 14:09:14.0	ANL-985 DOE-ASO Review and Approval : This categorical exclusion by DOE is tracked as ASO-CX-364.	PRIMARY
Siebach, Peter Rudolf	APPROVED	2019-11-07	2019-11-07 15:24:47.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY
