



Environmental Review Form for Argonne National Laboratory

Form:	ANL-985
Version:	5
Your Form ID:	ANL-985-1647
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Created By:	Taaffe, Helen

Creator

Badge:	300753	Name:	Taaffe, Helen
Cost Center:	208	Division:	PMO
Job Title:	Consultant	Employee Type:	Non-Regular Full-Time Non-Exempt
Building:	202	Lab Extension:	2-8452

General Information

Project/Activity Title: ESnet FIBER Install ARGONNE NATIONAL LABORATORY	
ASO NEPA Tracking No.: 3435	Type of Funding:
B & R Code:	Identifying Number: 01823
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: Project: Phase: Task:

Description of Proposed Action

This scope of work (SOW) focuses on the installation of fiber optic cabling and supporting infrastructure through the Argonne outside cable plant conduit system and terminate the fiber optic cabling at the demarcation point at Argonne building 541C. This is part of a larger project which involved the installation of an 3-1.25, HDPE by directional bore in the city of Willowbrook, Darien and Lemont Illinois. This overall project is being managed by Berkley DOE, see Berkley DOE NEPA attached. Directional boring work would take place along the roadway in previously disturbed areas. It would start from the existing AT&T MH at NW corner of W. 63rd St & Claredon Hills Rd., Willowbrook, IL going south along Claredon Hills Rd. to 91st., going west along 91st. to S. Cass Ave. going south along S. Cass Ave. to an existing handhole at SE corner of S. Cass Ave., and Argonne CT. an installation of 30" x 48" handholes along the route, see location from 91st down Cass Ave on drawings: "ESnet - Crown Castle Argonne Build Cass Avenue Connection" attached. From here an installation of approx. 1,970' of Fiber Optic Cable, fed through handholes within 1" inner-duct. Installation of one new handhole, all other handholes are existing. See attachment "Argonne Labs Fiber Pull_4.08.2021" for route. Route starts at newly installed handhole and would be terminated at Argonne building 541C. The scope of this NEPA is to cover all directional boring on Argonne property coming down Cass Avenue and for the scope of work listed in drawings "Argonne Labs Fiber Pull_4.08.2021" attached. Everything else would be covered under the "ESnet Berkley DOE NEPA Report" also attached.

Description of Affected Environment

There is roughly 117' of excavation and trenching to run a new innderduct at Cass Avenue at Argonne Boundary line (see 'Argonne Fiber Optic Pull Drawings' attached for location). This would be in previously disturbed areas adjacent to the roadway. No Wetlands, threatened or endangered species would be impacted. The remaining work will be pulling fiber in already existing innderduct. Majority of the work would be performed outside, the cables will be terminated at building 541C indoors.

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 type="radio"/>	<input checked="" type="radio"/>	
2.	Air Pollutant Emissions	<input type="radio"/>	<input checked="" type="radio"/>	
3.	Noise	<input checked="" type="radio"/>	<input type="radio"/>	The project will be using directional boring but all work will be outside - will not excess OSHA decimal limits
4.	Chemical/Oil Storage/Use	<input type="radio"/>	<input checked="" type="radio"/>	
5.	Pesticide Use	<input type="radio"/>	<input checked="" type="radio"/>	
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"/>	There will be minimal construction soil waste from the excavation. Contractor will dispose.
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"/>	
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"/>	
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"/>	Contractor will restored to original or better state.
22.	Navigable Air Space	<input type="radio"/>	<input checked="" type="radio"/>	
23.	Clearing or Excavation	<input checked="" type="radio"/>	<input type="radio"/>	Excavation for new installation of innerduct
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 checked="" type="radio"/>	<input type="radio"/>	Part of larger project run out of Berkley - they will be coordinating with all National parks/forests, see NEPA attached
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)

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 category of action from Appendix B of 10 CFR 1021, Subpart D: B 4.7 Fiber optic cable		
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:** Argonne Fiber Optic Pull Drawings [View Attachment](#)
- File Description:** ESnet - Crown Castle Argonne Build Cass Avenue Connection [View Attachment](#)
- File Description:** SOW ESnet FIBER Install ARGONNE NATIONAL LABORATORY [View Attachment](#)
- File Description:** ESNet Berkley DOE NEPA Report [View Attachment](#)

Comments

Associated with Req: G1-158008.

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
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ASO-CX Number

ASO-CX- 387

Comments:

This DOE NEPA CX approval is tracked as ASO-CX-387.

Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Taaffe, Helen	APPROVED	2021-06-29	2021-06-29 21:01:14.0	Creator :	PRIMARY
Taaffe, Helen	APPROVED	2021-06-29	2021-06-29 21:01:14.0	Project Manager :	PRIMARY
Andersen, Karyn Elizabeth Schoch	APPROVED	2021-06-29	2021-06-30 08:19:13.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2021-06-30	2021-06-30 16:27:14.0	ANL NEPA Reviewer : This ERF covers ANL portion of ES Net scope. Berkley Natl Lab CX-18-03 covers the remainder of the project and is attached	PRIMARY
Hellman, Karen B.	APPROVED	2021-06-30	2021-07-13 14:58:29.0	ANL-985 Review and Approval :	PRIMARY
Dunn, Michael W.	APPROVED	2021-07-13	2021-07-16 10:52:15.0	ANL-985 ANL Deputy COO Review and Approval :	PRIMARY
Joshi, Kaushik N.	APPROVED	2021-07-16	2021-07-19 15:54:27.0	ANL-985 DOE-ASO Review and Approval : This DOE NEPA CX approval is tracked as ASO-CX-387.	PRIMARY
Siebach, Peter Rudolf	APPROVED	2021-07-19	2021-07-19 16:41:04.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY
