



Environmental Review Form for Argonne National Laboratory

Form:	ANL-985
Version:	5
Your Form ID:	ANL-985-1406
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Date:	3/17/2020 11:01:05 AM
Created By:	Crosson, Kevin P.

Creator

Badge:	220875	Name:	Crosson, Kevin P.
Cost Center:	208	Division:	PMO
Job Title:	Project Manager	Employee Type:	Regular Full-Time Exempt
Building:	214	Lab Extension:	2-0570

General Information

Project/Activity Title: Water & Sewer Utilities Modernization
ASO NEPA Tracking No.: 2960 Type of Funding: GPP
B & R Code: Identifying Number: 01756
SPP Proposal Number: CRADA Proposal Number:
Work Project Number: PRJ1007122 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 Center:	208	Project:	PRJ1007122 Water Supply & Sewer Piping Replacement	Phase:	PH01 General	Task:	PT1397: General Costs
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Description of Proposed Action

This project involves the replacement of underground water mains (canal water and domestic water) between Outer Circle Dr. and Rock Rd. along the entire length of Southwood Dr., and from Water Tower #42 on Eastwood Dr. to the 900 Area, Child Care Center, and Argonne Park. The project also includes the replacement of the storm water culvert on Southwood Drive. The existing water mains will be abandoned in place and the new water mains will be made of HDPE and will be installed utilizing horizontal boring. Horizontal boring will take place in utility right of ways running along side of existing roadways. All of the work described within this document would take place in previously disturbed areas of the Laboratory campus. The existing storm water culvert pipes would be excavated and removed and new culvert pipes and head walls would be installed. The installation of the new storm water culvert includes all required repairs and paving needed to restore roadways affected by the project. Southwood storm sewer Scope: remove and replace existing failed storm sewer and flared end section across Southwood Dr; located along South Freund Brook, considered waters of the state. ACOE permit completed as of 12/19 but not submitted. Action would be implemented together with two other culvert projects for which categorical exclusion determinations were previously made; 1) Kearney Road (ASO-CX-361), and 2) Trail Crossing (ASO-CX-347)

Description of Affected Environment

The affected environment is mainly previously disturbed areas such as roadside underground utility corridors. The 1st underground utility corridor is along the south side of Southwood Drive. The 2nd underground utility corridor is along the south side of Eastwood Drive as well as along Argonne Court located on the east side of Cass Avenue in the 900 Area. There is 1 culvert to be replaced, located on Southwood Drive where the creek passes beneath the road. The previously disturbed creekside area where the culvert is located is near but not located in a wetland. Replacing the culvert require a Permit from the Army Corp of Engineers.

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"/>	Recycling will be implemented during the construction phase of the project.
2.	Air Pollutant Emissions	<input checked="" type="radio"/>	<input type="radio"/>	Typical exhaust emissions from standard construction equipment such as excavators, horizontal boring drills, dump trucks and skid steers.
3.	Noise	<input checked="" type="radio"/>	<input type="radio"/>	Typical noise from standard construction equipment such as excavators, horizontal boring drills, dump trucks and skid steers.
4.	Chemical/Oil Storage/Use	<input checked="" type="radio"/>	<input type="radio"/>	Horizontal Directional Drilling requires the use of drilling fluids with polymer additives. Drilling fluids include bentonite and PAC (polyanionic celulous), standard industrial hazard level D PPE would be required
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 checked="" type="radio"/>	<input type="radio"/>	The disturbed area will be less than 1 acre for each phase of work.
9.	Waste Management			
9a.	Construction or Demolition Waste	<input checked="" type="radio"/>	<input type="radio"/>	Some construction waste will be generated. Waste would be segregated and recycled where possible. Excess excavated soil would be evaluated and would be dispositioned off-site.
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 checked="" type="radio"/>	<input type="radio"/>	Before culvert can be replaced Federal Army Corp of Engineers permits would be required.
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"/>	
				The storm water culvert is located near wetland areas and in

19.	Wetlands	<input checked="" type="radio"/>	<input type="radio"/>	creeks that run throughout the ANL campus. Permits are required before work begins.
20.	Floodplain	<input checked="" type="radio"/>	<input type="radio"/>	The storm water culvert is located near wetland areas and in creeks that run throughout the ANL campus.
21.	Landscaping	<input checked="" type="radio"/>	<input type="radio"/>	Restoration of landscaping will be required in areas where excavation takes place during the performance of this project.
22.	Navigable Air Space	<input type="radio"/>	<input checked="" type="radio"/>	
23.	Clearing or Excavation	<input checked="" type="radio"/>	<input type="radio"/>	Erosion control plan will be implemented for excavation.
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

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 10 CFR Part 1021, Subpart D, Appendix B: B 1.3 Routine Maintenance, and B 1.5 Existing Steam Plants and Cooling Water Systems		
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:** PIP Rev 2 [View Attachment](#)
- File Description:** Drawings [View Attachment](#)
- File Description:** Specifications [View Attachment](#)

Comments

This ERF has been revised per meeting notes from J. Ptak on 03172020.

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- 366

Comments:

Due to permit updates and requirements, this NEPA submission should be reviewed by DOE prior to approval.

Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Crosson, Kevin P.	APPROVED	2020-03-18	2020-03-18 12:17:37.0	Creator :	PRIMARY
Ptak, Jill S.	APPROVED	2020-03-18	2020-03-19 10:21:03.0	Project Manager :	PRIMARY
Andersen, Karyn Elizabeth Schoch	APPROVED	2020-03-19	2020-03-19 10:28:34.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2020-03-19	2020-03-19 10:34:10.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2020-03-19	2020-03-25 10:59:12.0	ANL-985 Review and Approval :	PRIMARY
Dunn, Michael W. for Kearns, Paul K.	APPROVED	2020-03-25	2020-03-31 12:34:07.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2020-03-31	2020-04-03 10:42:21.0	ANL-985 DOE-ASO Review and Approval : DOE tracks this ERF CX approval as ASO-CX-373.	PRIMARY
Siebach, Peter Rudolf	APPROVED	2020-04-03	2020-04-07 11:47:24.0	ANL-985 DOE NEPA Compliance Officer Review and Approval : This action is designated as ASO-CX-366, which no. had been previously reserved.	PRIMARY
