



Environmental Review Form for Argonne National Laboratory

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Version:	5
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Date:	10/29/2020 9:09:20 AM
Created By:	Uppal, Jug M.

Creator

Badge:	40236	Name:	Uppal, Jug M.
Cost Center:	208	Division:	PMO
Job Title:	Project Manager I	Employee Type:	Regular Full-Time Exempt
Building:	214	Lab Extension:	2-7757

General Information

Project/Activity Title: Site Security Upgrade-Entry/Exit Gates
ASO NEPA Tracking No.: Type of Funding: IGPP
B & R Code: Identifying Number: 01797
SPP Proposal Number: CRADA Proposal Number:
Work Project Number: PRJ1007853-PT1397 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:	208	Project:	PRJ1007853 Site Security Upgrades - Entry/Exit Gates	Phase:	PH01 General	Task:	PT1397: General Costs
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Description of Proposed Action

This document details a scope change in section 21 from previously approved ERF ANL-985-1027, due to tree removal. East Gate (Facility 91) At East gate, a dedicated truck approach lane will reduce back ups at the gate and allow for safer and manageable egress and inspection activities for the truck and contractor traffic. Lane striping and signage would designate the truck lane to drivers. Grading would be required along the road and the security fence would be repositioned to accommodate the wider pavement. A larger security post and new canopy would be installed. Street lighting will be improved. West Gate (Facility 891) West gate traffic sometimes backs up, both inbound and outbound, during peak commute times. Traffic back ups will be reduced by widening the chain link gate opening and providing a dedicated parking spot for the Protective Force and allowing for adequate merging distance. The scope includes replacing the security post with a larger structure, widens the two inbound inspection lanes and elongates the merging distance for inbound traffic. The original post, 891, contains the electric power to operate the security fence from a remote location. The fence would be replaced and the power and controls relocated to the 891A post, to allow for the removal of the original structure. Removing the old security post increases the width available to the traffic lanes. North Gate (Facility 291) The North Gate security post would receive a complete overhaul to improve traffic flow, safety and inspections. The entire security post moves north, allowing vehicles entering the Laboratory to safely merge and turn after stopping at the post for inspection. To accommodate this move, the driveway entrance to the Argonne Visitor Center parking lot is similarly shifted north against the security fence. The bicycle lane would merge with the right turn lane to enter the Argonne Visitor Center parking lot and the bicycle lane on Northgate Road (inside the fence) would relocate to the appropriate location on the outside of the travel lane. A new canopy over the inbound and exit lanes would provide adequate coverage for inspections. Parking would be provided for the Protective Force outside of the exit lanes. In‐road lane striping, better lane signs at the security post and advanced signage would better indicate lane assignments. Perform a traffic engineering study at the North gate entrance to determine the appropriate traffic control devices to incorporate in the final design (i.e., stop signs, lane delimiters, etc.). Truck turning radius and clearance distances would also be confirmed during the final design. All waste will be properly managed including fluorescent lighting fixtures and paint. An asbestos and lead paint survey will be conducted on the security posts before disposal. This is a multi year project. In FY18, final design will be completed. Construction will be done in FY19 and FY20, However, based on the remaining funds in FY18, the following scope may be addressed: Remove old security post at west gate (891), reroute power and expand the gate. Excavate for the driveway widening at east gate (91) Fence and gate relocation at all gates.

Description of Affected Environment

The majority of work at the existing Laboratory entrances (East, West and North gates) would take place in previously disturbed areas. Some areas around west gate may encroach on non previously disturbed area.

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"/>	Top soil, clay and asphalt removed from the site will be recycled. Metal, wood pallets and paper would be recycled by the contractor.
2.	Air Pollutant Emissions	<input checked="" type="radio"/>	<input type="radio"/>	Minor emissions from cars and light duty vehicles will occur. No impact on air quality on site is expected.
3.	Noise	<input checked="" type="radio"/>	<input type="radio"/>	General construction noise is expected. Standard operation of construction equipment at this site will not disrupt activities of adjacent buildings
4.	Chemical/Oil Storage/Use	<input checked="" type="radio"/>	<input type="radio"/>	Standard construction chemicals such as grease, adhesives, gasoline and oil will be used. The chemicals will be stored in proper containers.
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 project will modify the storm water drains at all three gates.
9.	Waste Management			
9a.	Construction or Demolition Waste	<input checked="" type="radio"/>	<input type="radio"/>	Existing security posts and canopies will be removed. Metal will be recycled. Topsoil and clay not used at the construction site will be recycled. Miscellaneous packing debris such as wood pallets and paper will be recycled through Argonne recycling program or by the contractor.
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 checked="" type="radio"/>	<input type="radio"/>	High efficient lighting will be incorporated in design. All excavated will be recycled. Recycled materials will be used where appropriate.
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 checked="" type="radio"/>	<input type="radio"/>	Native grasses, bushes and trees will be planted in applicable areas. Non native trees and/or bushes may be removed during construction and replaced as appropriate. on west gate facility 891-Several native trees will be removed that are greater than 6 inches in diameter. There is a clump of 8-10 red pine trees that were planted by Argonne in the 1950s. There is a large black cherry, an approximately 6 inch elm tree, and an approximately 6 inch honey locust tree that will be removed. All other trees to be removed are non-native shrubs or are under six inch diameter.
22.	Navigable Air Space	<input type="radio"/>	<input checked="" type="radio"/>	
23.	Clearing or Excavation	<input checked="" type="radio"/>	<input type="radio"/>	There would be excavation activities during this project. A detailed storm water pollution prevention plan and erosion control plan would be developed and applied to all activities in the multiple work areas. Disturbed area at all three gates will be around 1.5 acres total. Excavation will be approximately 5600 cubic yards
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)

Requires DOE review.

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 Appendix B Categories: Appendix B1.15, Support buildings B 1.11 Fencing B 1.32 Traffic flow adjustments B 1.33 Storm water runoff control		
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: design report [View Attachment](#)

File Description: West gate final drawings [View Attachment](#)

Comments

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
58262	Sullivan, Casey J.	PMO	<input type="checkbox"/>

ASO-CX Number

ASO-CX- 377

Comments:

This DOE approval of NEPA ERF CX is tracked as ASO-CX-377.

Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Uppal, Jug M.	APPROVED	2020-10-29	2020-10-29 12:08:53.0	Creator :	PRIMARY
Uppal, Jug M.	APPROVED	2020-10-29	2020-10-29 12:08:53.0	Allows access to the form :	PRIMARY
Uppal, Jug M.	APPROVED	2020-10-29	2020-10-29 12:08:53.0	Project Manager :	PRIMARY
Andersen, Karyn Elizabeth Schoch	APPROVED	2020-10-29	2020-10-30 14:56:50.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2020-10-30	2020-11-03 11:19:19.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2020-11-03	2020-11-03 11:22:18.0	ANL-985 Review and Approval :	PRIMARY
Dunn, Michael W. for Kearns, Paul K.	APPROVED	2020-11-03	2020-11-06 12:25:25.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2020-11-06	2020-11-09 15:40:30.0	ANL-985 DOE-ASO Review and Approval : This DOE approval of the NEPA ERF CX is tracked as ASO-CX-377.	PRIMARY
Siebach, Peter Rudolf	APPROVED	2020-11-09	2020-11-09 16:24:59.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY
