



**Environmental Review Form for Argonne  
National Laboratory**

<b>Form:</b>	ANL-985
<b>Version:</b>	5
<b>Your Form ID:</b>	ANL-985-902
<b>Form Status:</b>	Approved
<b>Date:</b>	4/27/2017 11:53:22 AM
<b>Created By:</b>	Dearborn, Jacqueline C.

**Creator**

Badge:	<b>224097</b>	Name:	<b>Dearborn, Jacqueline C.</b>
Cost Center:	<b>208</b>	Division:	<b>FMS</b>
Job Title:	<b>Infrastructure/Facilities Specialist</b>	Employee Type:	<b>Regular Full-Time Exempt</b>
Building:	<b>214</b>	Lab Extension:	<b>2-2347</b>

**General Information**

Project/Activity Title: Bldg 206 Parking Lot Resurfacing  
 ASO NEPA Tracking No.: 2578                      Type of Funding: SPPM  
 B & R Code:                                      Identifying Number: 01647  
 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: FMS NEPA Owner:

**Financial Plans**

To select a Financial Plan, click the magnifying glass icon to open a search window.  
 Cost Center: **208**    Project: **PRJ1003418 Aegis System Integ**    Phase: **PH01 General**    Task: **PT1397: General Costs**

**Description of Proposed Action**

The proposed action is to resurface the south half of the existing 206 parking lot. This project will remove and replace approximately 33,000 SF (0.76 AC) of asphalt pavement. This project will also include miscellaneous sidewalk, culvert replacement, modification of swales along the edge of the parking lot, flush curbs, and landscaping/trees. The north half of the parking lot will remain as is, or as an option to the construction contract, be removed and restored with grass.

**Description of Affected Environment**

This action will not negatively impact the environment. All work will be conducted on previously disturbed land - paved parking lot and adjacent sidewalk and grass edges. This project occurs at the existing 206 parking lot with is located at the NE corner of Westgate and Outer Circle. Across Outer Circle to the NW is a habitat for an endangered dragonfly species. No work will be done in this area. Drainage swales will be created around the parking area to control storm water and improve infiltration. Extra debris from the construction action will be recycled. There are wetlands nearby including habitat for endangered species. However, no sensitive resources will be impacted and standard erosion control measures will be in place.

**Potential Environmental Effects**

- Attach explanation for each "yes" response near bottom of form.
- **See Instructions for Completing Environmental Review Form.**

<b>Section A (Complete For All Projects)</b>	<b>Yes</b>	<b>No</b>	<b>Explanation</b>
Project evaluated for Pollution Prevention and Waste Minimization opportunities and			Existing asphalt pavement will be ground up and recycled offsite. Recycled gravel will be used for the sidewalks' sub-bases and topsoil and clay spoils will be used onsite as backfill. Drainage

1.	details provided under items 2, 4, 6, 7, 8, 16, and 20 below, as applicable	<input checked="" type="radio"/>	<input type="radio"/>	swales will have the potential for being used for storm water detention and filtering of the parking lot runoff. The asphalt will contain Recycled Asphalt Products (RAP) in the mix.
2.	Air Pollutant Emissions	<input checked="" type="radio"/>	<input type="radio"/>	Particulate matter may become airborne during the removal of the existing asphalt pavement. Also, motorized equipment will be used in the execution of the work.
3.	Noise	<input checked="" type="radio"/>	<input type="radio"/>	The removal of the asphalt pavement will cause loud noise that is produced by the large construction equipment such as a bulldozer. This activity will occur outdoors and will be under 85 db.
4.	Chemical/Oil Storage/Use	<input type="radio"/>	<input checked="" type="radio"/>	
5.	Pesticide Use	<input type="radio"/>	<input checked="" type="radio"/>	
6.	<b>Toxic Substances Control Act (TSCA) Substances</b>			
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"/>	Storm water runoff would be generated if it rains. This is a paved surface and runoff will discharge into culverts and soils. An erosion control plan is a requirement for any construction project.
9.	<b>Waste Management</b>			
9a.	Construction or Demolition Waste	<input checked="" type="radio"/>	<input type="radio"/>	The construction project will generate approximately 400 cubic yards of asphalt waste along with miscellaneous amounts of concrete debris, clay and top soil as well.
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"/>	If the option is exercised to remove the north half of the parking lot, there may be the potential for restoring the land and/or incorporating sustainable design features. The asphalt contains RAP in the mix. Added trees will shade the asphalt and drainage swales will increase the absorption of water and chemicals from the parking lot runoff prior to entering the wetland.
<b>Section B (For Projects that Occur Outdoors)</b>		<b>Yes</b>	<b>No</b>	
18.	Threatened or Endangered Species, Critical Habitats, and/or other Protected Species	<input checked="" type="radio"/>	<input type="radio"/>	There is an endangered dragonfly habitat in the vicinity of this project and the proper, standard steps will be taken to protect the areas. According to guidance documents furnished from the US Fish and Wildlife Service, a 65 foot (20 meter) buffer area (an area cordoned from disturbances) shall be maintained around known larval habitat for the Hines Emerald Dragonfly (HED). This project is beyond the border of known larval habitat; however there are drainage swales that enter into a wetland which eventually connect to the larval habitat of HED. The project may have the following stressors to the Hines Emerald Dragonfly: Sedimentation, nutrient/biologic pollutant, increased water levels/flooding, and oil/engine fluids release. Practices specified in Argonne's Construction Specifications Section 01014 Erosion and Sediment Control and 01015 Protection of the Environment can mitigate all of these stressors by maintaining a buffer area around the nearby wetland (wetland 201) and sediment control measures around drainage swales. These circumstances do not warrant consultation with the USFWS.
19.	Wetlands	<input type="radio"/>	<input checked="" type="radio"/>	There is a wetland in the vicinity of this project (outside the project boundaries). The proper standard steps are being taken to protect the surrounding areas.
20.	Floodplain	<input type="radio"/>	<input checked="" type="radio"/>	
21.	Landscaping	<input checked="" type="radio"/>	<input type="radio"/>	Salt-tolerant grass seed mix (without invasive species) will be used for replanting disturbed areas along the edges of the parking lot. The plan will also call for planting native species trees to replace the ash trees that had to be cut down due to the emerald ash borer.
22.	Navigable Air Space	<input type="radio"/>	<input checked="" type="radio"/>	
23.	Clearing or Excavation	<input checked="" type="radio"/>	<input type="radio"/>	The estimated size of the area to be affected by excavation and backfilling actions is 50 SF. Any spoils will be put back into the landscape and seeded. Runoff will be managed through an erosion control plan with standard erosion control measures such as silt fence.
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"/>	
<b>Section C (For Projects Outside of ANL)</b>		<b>Yes</b>	<b>No</b>	
29.	Prime, Unique, or Locally Important Farmland	<input type="radio"/>	<input type="radio"/>	
30.	Special Sources of Groundwater (such as sole source aquifer)	<input type="radio"/>	<input type="radio"/>	
31.	Coastal Zones	<input type="radio"/>	<input type="radio"/>	
32.	Areas with Special National Designations (such as National Forests, Parks, or Trails)	<input type="radio"/>	<input type="radio"/>	
33.	Action of a State Agency in a State with NEPA-type Law	<input type="radio"/>	<input type="radio"/>	
34.	Class I Air Quality Control Region	<input type="radio"/>	<input type="radio"/>	

### Categorical Exclusion

Roadway, Sidewalk, Shoulders, and Site Signage Installation and Maintenance

### 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: 10 CFR Part 1021, Subpart D, Appendix B 1.3 Routine maintenance.		
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:** CX-066 [View Attachment](#)
- File Description:** Sketch 206 N & S Parking Lot [View Attachment](#)
- File Description:** ASO-CX-346

### Comments

The purpose of this work is to prepare a set of design drawings to be finalized and kept on the shelf for future execution. When funding becomes available in the future, the drawings will be combined with updated specifications as needed and issued for award in a construction contract. The planned work is for design only.

### 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
45633	Frego, James	FMS	
37773	Rash, Philip C.	FMS	
224097	Dearborn, Jacqueline C.	FMS	

### ASO-CX Number

#### ASO-CX- 346

Comments:

This ERF is approved and tracked as ASO-CX-346.

### Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Dearborn, Jacqueline C.	APPROVED	2017-04-27	2017-04-27 11:54:02.0	Creator :	PRIMARY
Dearborn, Jacqueline C.	APPROVED	2017-04-27	2017-04-27 11:54:02.0	Allows access to the form :	PRIMARY
Dearborn, Jacqueline C.	APPROVED	2017-04-27	2017-04-27 11:54:02.0	Allows access to the form :	PRIMARY
Dearborn, Jacqueline C.	APPROVED	2017-04-27	2017-04-27 11:54:02.0	Project Manager :	PRIMARY
Matton, Philip B.	APPROVED	2017-04-27	2017-05-03 08:49:26.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2017-05-03	2017-05-03 17:06:50.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2017-05-03	2017-05-08 11:10:40.0	ANL-985 Review and Approval :	PRIMARY
Stine, Gail Y.	APPROVED	2017-05-08	2017-05-08 14:28:34.0	ANL-985 Review and Approval :	PRIMARY
Lee, Alice J. for Kearns, Paul K.	APPROVED	2017-05-08	2017-05-08 16:11:40.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2017-05-08	2017-06-07 15:31:30.0	ANL-985 DOE-ASO Review and Approval : <b>This ERF approval is tracked as ASO-CX-346.</b>	PRIMARY
Siebach, Peter R.	APPROVED	2017-06-07	2017-06-12 10:42:30.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY