



Environmental Review Form for Argonne National Laboratory

Form:	ANL-985
Version:	5
Your Form ID:	ANL-985-986
Form Status:	Approved
Date:	9/6/2017 3:51:11 PM
Created By:	Harris, Amy M.

Creator

Badge:	49490	Name:	Harris, Amy M.
Cost Center:	331	Division:	HSE
Job Title:	ESH Coordinator	Employee Type:	Regular Full-Time Exempt
Building:	362	Lab Extension:	2-0484

General Information

Project/Activity Title: **Demonstration and Cost Analysis of an Acoustic Building Infiltration Measurement System**

ASO NEPA Tracking No.: _____ Type of Funding: _____

B & R Code: _____ Identifying Number: **P-17185**

SPP Proposal Number: **P-17185** CRADA Proposal Number: _____

Work Project Number: _____ ANL Accounting Number: _____ (Item 3a in Field Work Proposal)

Other (explain): _____

List appropriate NEPA Owners: _____

Division: **ES** 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

Measuring sound waves that leak through building envelopes. The key technical objectives are (1) demonstrate use of SonicLQ, an Acoustic Building Infiltration Measurement System (ABIMS) for measuring building infiltration and locating and sizing specific leaks at Ft. Leavenworth and Hill AFB, (2) compare the accuracy, measurement time, and costs of SonicLQ to conventional blower door and IR camera testing methods, and (3) begin development of a new USACE measurement test protocol for ABIMS devices.

Description of Affected Environment

Acousical testing will be performed at various offsite DOD locations (Ft. Leavenworth and Hill AFB)

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"/>	
				Noise will be 80dBA or below during the testing. Hearing protection is optional. Each individual test will be

3.	Noise	<input checked="" type="radio"/>	<input type="radio"/>	approximately 1 minute. However to test an entire building will take approximately 100 tests.
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 type="radio"/>	<input checked="" type="radio"/>	
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"/>	
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: 10 CFR, Part 1021, Subpart D, Appendix B3.1 Site Characterization and Environmental Monitoring		
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: SOW Acoustic Infiltration testing [View Attachment](#)

File Description:

Comments

Add Approver

Approver Name	Approver Badge	Reason	Delete
Muehleisen, Ralph T.	219616	PI	

Notifications

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

Badge	Name	Division	Delete
49490	Harris, Amy M.	HSE	
219616	Muehleisen, Ralph T.	ES	
49659	Brocker, William A.	HSE	

ASO-CX Number

ASO-CX- 349

Comments:

This ERF CX approval is tracked as ASO-CX-349

Approval

<u>Approver</u>	<u>Action</u>	<u>Date Routed</u>	<u>Action Date</u>	<u>Approval Reason / Comments</u>	<u>Approval Type</u>
Harris, Amy M.	APPROVED	2017-09-06	2017-09-06 15:52:20.0	Creator :	PRIMARY
Harris, Amy M.	APPROVED	2017-09-06	2017-09-06 15:52:20.0	Allows access to the form :	PRIMARY
Harris, Amy M.	APPROVED	2017-09-06	2017-09-06 15:52:20.0	Allows access to the form :	PRIMARY
Harris, Amy M.	APPROVED	2017-09-06	2017-09-06 15:52:20.0	Project Manager :	PRIMARY
Muehleisen, Ralph T.	APPROVED	2017-09-06	2017-09-06 15:59:36.0	PI :	PRIMARY
Brocker, William A.	APPROVED	2017-09-06	2017-09-07 08:35:51.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2017-09-07	2017-09-12 09:37:27.0	ANL NEPA Reviewer :	PRIMARY
Hellman, Karen B.	APPROVED	2017-09-12	2017-09-13 09:42:03.0	ANL-985 Review and Approval :	PRIMARY
Stine, Gail Y.	APPROVED	2017-09-13	2017-09-14 13:51:29.0	ANL-985 Review and Approval :	PRIMARY
Kearns, Paul K.	APPROVED	2017-09-14	2017-09-14 14:57:40.0	ANL-985 ANL COO Review and Approval :	PRIMARY
Joshi, Kaushik N.	APPROVED	2017-09-14	2017-09-18 14:48:25.0	ANL-985 DOE-ASO Review and Approval : This approval is tracked as ASO-CX-349	PRIMARY
Siebach, Peter R.	APPROVED	2017-09-18	2017-09-19 13:12:18.0	ANL-985 DOE NEPA Compliance Officer Review and Approval :	PRIMARY
