



Environmental Review Form for Argonne National Laboratory

Form:	ANL-985
Version:	5
Your Form ID:	ANL-985-982
Form Status:	Approved
Date:	9/1/2017 11:21:45 AM
Created By:	Chen, Hua

Creator

Badge:	290245	Name:	Chen, Hua
Cost Center:	331	Division:	HSE
Job Title:	ESH Multi-Functional 4	Employee Type:	Regular Full-Time Exempt
Building:	440	Lab Extension:	2-4714

General Information

Project/Activity Title: Field testing (in ocean) modified polymer foam for crude oil recovery
 ASO NEPA Tracking No.: _____ Type of Funding: _____
 B & R Code: _____ Identifying Number: 2017-17163
 SPP Proposal Number: _____ CRADA Proposal Number: _____
 Work Project Number: 2017-17163 ANL Accounting Number: _____ (Item 3a in Field Work Proposal)
 Other (explain): _____
 List appropriate NEPA Owners:
 Division: NST 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 AAP covers ANL staff performing field tests on the polymer foam on a boat. The objective is to determine how well the foam collect crude oil seeping naturally from the ocean floor into the water. Therefore, the crude oil is diluted by the seawater. The activities performed by ANL staff includes: Accepting the foam pads from the crew after they have been in the water Running the pads through our hand-crank wringer Collecting the sorbed fluid in separate containers for later analysis Visually inspecting the collected fluid All other activities, such as mounting the foam pads onto the boat, moving the foam pads into/out of the ocean, moving heavy containers or equipment, disposal of waste, decontamination of equipment, etc. will be excluded.

Description of Affected Environment

The work will be performed in the pacific ocean. The foam will be dipped in the ocean to collect crude oil naturally seeped from the sea bottom.

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"/>	It was evaluated for pollution prevention
2.	Air Pollutant Emissions	<input type="radio"/>	<input checked="" type="radio"/>	
3.	Noise	<input type="radio"/>	<input checked="" type="radio"/>	
				Crude oil will be extracted from the foam

4.	Chemical/Oil Storage/Use	<input checked="" type="radio"/>	<input type="radio"/>	and collected, which will later be disposed of as waste.
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 checked="" type="radio"/>	<input type="radio"/>	Contractor will be responsible of disposing the waste.
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 checked="" type="radio"/>	<input type="radio"/>	The boat will be off shore collecting crude oil, naturally seeping out of the sea

				bottom.
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 B 3.11 Outdoor tests and experiments on materials and equipment components.		
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: Proposal for work [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

ASO-CX Number

ASO-CX- 348

Comments:

This ERF CX approval is tracked as ASO-CX-348.

Approval

Approver	Action	Date Routed	Action Date	Approval Reason / Comments	Approval Type
Chen, Hua	APPROVED	2017-09-01	2017-09-01	Creator :	PRIMARY

Chen, Hua	APPROVED	2017-09-01	2017-09-01 11:23:34.0	11:23:34.0	Project Manager :	PRIMARY
VanWermeskerken, Nancy	APPROVED	2017-09-01	2017-09-01 12:12:30.0	2017-09-01 12:12:30.0	NEPA Owner Approval for Argonne Environmental Review :	PRIMARY
Ptak, Jill S.	APPROVED	2017-09-01	2017-09-05 10:16:24.0	2017-09-05 10:16:24.0	ANL NEPA Reviewer :	PRIMARY
Budd, Jason R. for Hellman, Karen B.	APPROVED	2017-09-05	2017-09-05 10:20:33.0	2017-09-05 10:20:33.0	ANL-985 Review and Approval :	DELEGATE
Stine, Gail Y.	APPROVED	2017-09-05	2017-09-05 12:17:11.0	2017-09-05 12:17:11.0	ANL-985 Review and Approval :	PRIMARY
Lee, Alice J. for Kearns, Paul K.	APPROVED	2017-09-05	2017-09-05 12:23:26.0	2017-09-05 12:23:26.0	ANL-985 ANL COO Review and Approval :	DELEGATE
Joshi, Kaushik N.	APPROVED	2017-09-05	2017-09-12 16:06:35.0	2017-09-12 16:06:35.0	ANL-985 DOE-ASO Review and Approval : This approval is tracked as ASO-CX-347	PRIMARY
Siebach, Peter R.	APPROVED	2017-09-12	2017-09-14 14:05:53.0	2017-09-14 14:05:53.0	ANL-985 DOE NEPA Compliance Officer Review and Approval : The correct ASO designation is ASO-CX-348	PRIMARY
