Environmental Review Form for Argonne National Laboratory

Click on the blue question marks (?) for instructions, contacts, and additional information on specific line items.

(?)Project/A	Activity Title: NOVA	Neutrino	Experimen	t Const	ruction	Project_	
(?) ASO NE	PA Tracking No.	_					
Work Projec	ng number: et # nin)	WFO propo	osal # inting # (item	3a in Field	CRADA pro Work Prop	posal # osal)	
	Manager: Richard		Signatur	e:Kicher	r Tolog	~Date:	120/10
(?) NEPA O	wner: Nancy VanW	ermeskerk	<i>UAV</i> <u>en</u> Signature	e:		Date:	
ANL NEPA	Reviewer: M. A. K	amiya_	Signatur	ه: <u>ساس</u> م	y wy	Date: 9 2	4/2010
extruded instrumer from the stacked of approximation footpring stacked of scope of modules. The remains the replacement of the plass of the plass of the plass of the plass of the replacement of the repla	PVC panels. To nted with optical adhesive station top of one at ately 20 minutes to f the stack modules, result nodrums of part this project. Once there is tic liner (with ining adhesive acement drum. By Waste Manage Description of Affected by by Waste exposure.	the panels al fibers on to a new mother and s while the sing in a second adhesive adhesive spent line ament when the stress and gas compared to the stress	, called and seal earby ass d a weigh he two paby 13 fee final hei ur drums the adhesi therein) ed out of ers are son the promate. The projection adhesive oncentrations.	modules ed at the embly st t is app rt adhes t and the ght of 8 of part ive comp ve in a of each the lint tored in ject is ect is conduct. Industrial	because heir end: ack. Mobiled for sive cure here are B feet. B adhes: bonents a drum to her and place a seale complete ted indoors Hygiene positions.	they are to a report of the second of the se	re poisted re re rs of four the ied to ensed, d. nto and
	otential Environment ructions for Complet				ch "yes" res	sponse. See	
A.	Complete Section A	for all projec	cts.				
1.	(?)Project evaluated f opportunities and deta below, as applicable					Yes X	_ No
2.	(?)Air Pollutant Emis	sions:				Yes X	No
	Area and pers		-		-	-	

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preparation of the NOVA project full-scale prototype. Industrial Hygiene Sampling was conducted throughout large-scale prototype activities to provide detailed information on potential occupational exposures during construction of the full-scale instrument. Information on airborne methyl methacrylate level can provide a benchmark for planning control measures.

3.	(?)Noise	Yes	No X
4.	(?)Chemical Storage/Use	Yes X	No
	The proposed activities will involve the use and chemicals. The two-part adhesive is applied to expanels. We use four 55-gallon drums of part A and drums of part B adhesive for the scope of this property.	ktruded d four	d PVC
5.	(?)Pesticide Use	Yes	No <u>X</u>
6.	(?) Polychlorinated Biphenyls (PCBs)	Yes	No X
7.	(?) Biohazards		No X
8.	(?)Liquid Effluent (wastewater)	Yes	No <u>X</u> _
9.	(?)Waste Management		
	a) Construction or Demolition Wasteb) Hazardous Waste	Yes Yes X	No X
	Once there is not enough adhesive in a drum to be dispensed, the plastic liner (with adhesive there each drum is removed. The remaining adhesive is out of the liner and placed into the replacement Spent liners are stored in a sealed drum and dispense Management when the project is complete.	rein) d s squed t drum	ezed •
		Yes	
		Yes Yes	
		Yes	
		Yes	
		Yes	
10.	(?)Radiation	Yes	No <u>X</u>
11.	(?)Threatened Violation of ES&H Regulations or Permit Requirements	Yes	No <u>X</u>
12.	(?)New or Modified Federal or State Permits	Yes	No <u>X</u>
13.	(?)Siting, Construction, or Major Modification of Facility to Recover, Treat, Store, or Dispose of Waste	Yes	No <u>X</u>
14.	(?)Public Controversy	Yes	No <u>X</u>
15.	(?)Historic Structures and Objects	Yes	No <u>X</u>

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16.	. (?)Disturbance of Pre-existing Contamination	Yes	No <u>X</u>
17.	. ('?) Energy Efficiency, Resource Conserving, and Sustainable Design Features	Yes	No <u>X</u>
B.	For projects that will occur outdoors, complete Section B as well as Sec	ction A. N	N/A
18.	. ('?)Threatened or Endangered Species, Critical Habitats, and/or other Protected Species	Yes	No
19.	. (?)Wetlands	Yes	No
20.	. (?)Floodplain	Yes	No
21.	. (?)Landscaping	Yes	No
22.	. (?)Navigable Air Space	Yes	No
23.	. (?)Clearing or Excavation	Yes	No
24.	. (?) Archaeological Resources	Yes	No
25.	. (?)Underground Injection	Yes	No
26.	. (?)Underground Storage Tanks	Yes	No
27.	. ('?)Public Utilities or Services	Yes	No
28.	. (?)Depletion of a Non-Renewable Resource	Yes	No
C.	For projects occurring outside of ANL complete Section C as well as SeN/A	ections A	and B.
29.	. (?)Prime, Unique, or Locally Important Farmland	Yes	No
30.	. (?) Special Sources of Groundwater (such as sole source aquifer)	Yes	No
31.	. (?)Coastal Zones	Yes	No
32.	. ('?) Areas with Special National Designations (such as National Forests, Parks, or Trails)	Yes	No
33.	. (?) Action of a State Agency in a State with NEPA-type Law	Yes	No
34.	. (?)Class I Air Quality Control Region	Yes	No
<u>Sub</u>	part D Determination: (to be completed by DOE/ASO)		
	there any extraordinary circumstances related to the proposal that affect the significance of the environmental effects of the proposal?	Yes	No 🗶
	ne project connected to other actions with potentially significant impacts elated to other proposed action with cumulatively significant impacts?	Yes	No X

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IV.

or 10 CFR 1021.211?	Yes No
Can the project or activity be categorically excluded fron	n preparation
of an Environment Assessment or Environmental Impact	• •
under Subpart D of the DOE NEPA Regulations?	Yes X No
	
If yes, indicate the class or classes of action from Append	dix A or B of Subpart D under which the
project may be excluded. Appendix B B 3.6 Siting / Construction / Operation / a bench-scale research, convention research and development and B 3.8 Outdoor ecological / environmental I If no, indicate the NEPA recommendation and class(es) of	5. 5
B 3.6 Siting/Construction/Operation/d	lecommissioning of facilities t
bench-scale research, convention	prior projects
B 3.8 Outdoor ecological /environmental	research in small area.
If no, indicate the NEPA recommendation and class(es) of	of action from Appendix C or D to
Subpart D to Part 1021 of 10 CFR.	
ASO NEDA Candinatan Parisma Kan China KAUCHIK	JOSHI
ASO NEPA Coordinator Review: Ken Chiu- KAUSHIK	
Signotura:	Date: 9-30-10
Signature:	Date: 1 20 1 5
ASO NGO Assessed of CV Determined on	
ASO NCO Approval of CX Determination:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
The preceding pages are a record of documentation that an act	
urther NEPA review under DOE NEPA Regulation 10 CFR Pa	
proposed action meets the requirements for the Categorical Exclu	
	Date: 10/1/2010
Signature:	Date:
Peter R. Siebach	• /
Acting Argonne Site Office NCO	
ر	>
ASO NCO EA or EIS Recommendation: N/A	
Class of Action:	
Signature:	Date:
Peter R. Siebach	
Acting Argonne Site Office NCO	
4	
Concurrence with EA or EIS Recommendation: N/A	
CH GLD:	
Signature:	Date:
ASO Manager Approval of EA or EIS Recommendation:	J/A
NO Manager Approvar of EA of 15to Recommendation.	•••
An EA EIS shall be prepared for the proposed	and
Lis shall be prepared for the proposed	and
shall serve as the document manager.	
shall serve as the document manager.	
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If yes, is a categorical exclusion determination precluded by 40 CFR 1506.1

	N/A		
Signature:		Date:	
	Dr. Joanna M .Livengood		
	Manager		

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