DOE	NEPA	Tracking	Number

U. S. DEPARTMENT OF ENERGY, OFFICE OF SCIENCE INTEGRATED SUPPORT CENTER—CHICAGO OFFICE

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) ENVIRONMENTAL EVALUATION NOTIFICATION FORM

To be completed by "Applicant," i.e., organization receiving funds and/or implementing Federal Actions as defined by 40 CFR § 1508.18. For assistance, refer to "Instructions for Preparing ISC-CH F-560, Environmental Evaluation Notification Form."

Solicitation	n/Award No. (if applicable): <u>DE-FOA-0000995</u>	
Organizatio	on Name: University of Washington	
Title of Pro	posed Action: Production, Quality Control and Shipment of Radionuclides from the University	rsity of Washington
Total DOE	Funding/Total Funding: \$506,200	
I. <u>Proje</u>	ect Description: (Use explanation pages if additional space is required)	
A.	Proposed Project/Action (if applicable, delineate Federally funded/Non-Federally funded/Non-F	tigators who request it throug
В.	Would the project proceed without Federal funding? If "yes," use explanation page.	Yes No □ ⊠

Description of Affected Environment: (Use explanation pages if additional space is required)
The astatine-211 (At-211) is produced on a cyclotron at the University of Washington. After production, the irradiated target is transported in a sealed container via an approved protocol a short distance (down a hall) to a radiochemistry laboratory where the At-211 is separated from the irradiated target material (bismuth metal) in a charcoal filtered glovebox. After separation and purification, the At-211 will be shipped to investigators who have requested it through the DOE NIDC program. Shipment will be (and has been) made in an appropriate (approved) container exclusively through our Radiation Safety group (part of UW Evironmental Safety and Health) to assure that it is shipped according to the required regulations.

		DOE NEPA Tracking N	lumber	
III.	Pre	liminary Questions:		
	A.	Is the DOE-funded work routinely administrative or entirely advisory or a "paper study?"	Yes	No ⊠
		If "Yes", ensure that the description in Section I reflects this and go directly to Section V.		
	B.	Is there any potential whatsoever for: (Provide an explanation for each "Yes" response)		
		 Work to be performed outdoors? Major modification of a building interior? Threat of violation of applicable statutory, regulatory, or permit requirements for 		\boxtimes
		environment, safety, and health?		
		4. Siting, construction or major expansion of waste treatment, storage, or disposal facilities?		\boxtimes
		5. Disturbance to hazardous substances, pollutants, or contaminants preexisting in the environment?		
		 The presence of any environmentally-sensitive resources? Potential for high consequence impacts to human health or the environment? The work being connected to another existing/proposed activity that could potentially create a significant impact? 		
		 Nearby past, present, and/or reasonably foreseeable future actions such that collectively significant impacts could result? 		\boxtimes
		10. Scientific or public controversy, uncertainty over potential impacts, or conflicts regarding resource usage?		\boxtimes
IV.	Pote	ential Environmental Effects: (<i>Provide an explanation for each "Yes" response</i>) Sensitive Resources: Could the proposed action potentially result in changes and/or disturbance.	es to an	<u>y of</u>
		the following resources?	Yes	 No
		 Threatened/Endangered Species and/or Critical Habitats Other Protected Species (e.g., Burros, Migratory Birds) Sensitive Environments (e.g., Tundra/Coral Reefs/Rain Forests) Cultural or Historic Resources Important Farmland Non-Attainment Areas for Ambient Air Quality Standards Class I Air Quality Control Region Special Sources of Groundwater (e.g. Sole Source Aquifer) Navigable Air Space Coastal Zones Areas with Special National Designation (e.g. National Forests, Parks, Trails) Floodplains and/or Wetlands 		
		Regulated Substances/Activities: Would the proposed action involve any of the following regular activities?	ted Item	s or
		 13. Natural Resource Damage Assessments 14. Invasive Species or Exotic Organisms 15. Noxious Weeds 16. Clearing or Excavation (indicate if greater than one acre) 17. Dredge or Fill (under Clean Water Act, Section 404, greater than one acre) 		

Number
ĺ

	B. Regulated Substances/Activities: Would the proposed action involve any of the following regulated Items activities? (continued)			s or	
		activiti	es: (commueu)	Yes	No
		18.	Noise (in excess of regulations)		
		19.	Asbestos Removal		\boxtimes
		20.	Polychlorinated biphenyls (PCBs)		\boxtimes
		21.	Import, Manufacture, or Processing of Toxic Substances		\boxtimes
		22.	Chemical Storage/Use		\boxtimes
		23.	Pesticide Use		\boxtimes
		24.	Hazardous, Toxic, or Criteria Pollutant Air Emissions		\boxtimes
		25.	Liquid Effluents		\boxtimes
		26.	Spill Prevention/Surface Water Protection		\boxtimes
		27.	Underground Injection		\boxtimes
		28.	Hazardous Waste	Ц	\boxtimes
		29.	Underground Storage Tanks	Ц	\bowtie
		30.	Radioactive or Radioactive Mixed Waste	\boxtimes	
		31.	Radiation Exposure	\boxtimes	
		32.	Nanoscale Materials	Ц	\bowtie
		33.	Genetically Engineered Microorganisms/Plants or Synthetic Biology?	닏	\bowtie
		34.	Ozone Depleting Substances	닏	\boxtimes
		35.	Greenhouse Gas Generation/Sustainability	님	×
		36.	Off-Road Vehicles	님	\boxtimes
		37.	Biosafety Level 3-4 Laboratory	님	
		38.	Research on Human Subjects or other Vertebrate Animals	님	\bowtie
		39	Facility footprint exceeds 5,000 Square Feet	Ш	
	C.	Other	Relevant Information: Would the proposed action involve the following?	V	N. 1 -
		40.	Diagrapartianata Nearby Pracance of Minarity and/or Law Income Deputations	Yes	No
		41.	Disproportionate Nearby Presence of Minority and/or Low Income Populations Existing, Modified, or New Federal/State Permits	님	X
		42.	Involvement of Another Federal Agency (e.g. license/permit, funding, approval)	님	
		43.	Action in a State with NEPA-type law	H	
		44.	Expansion of Public Utilities/Services	H	
		45.	Depletion of a Non-Renewable Resources	H	X
		46.	Subject to an Existing Institutional Work Planning and Control Process	H	
		47.	Other Pertinent Information Which Could Impact Human Health or the Environment	H.	
		77.	other returned medical viries could impact range returned to the Environment		
V .	Anr	olicant C	ertification that to the best of their knowledge all information provided on this form is acc	urate:	
• •			of the control of the	Yes	No
	Doe	es this d	sclosure contain classified, confidential, or other exempt information that DOE would	П	\boxtimes
			ated to disclose pursuant to the Freedom of Information Act?		_
	Α.	Organ	zation Official (Name and Title): <u>Lynette Arias, Director, Office of Sponsored Programs</u>		
		Signat	ure: Ken Blucker Date: 6/9/2015		
			Grant & Contract Administrator		
		e-mail:	OSP@uw.edu Acting for Lynette Arias Phone: 206 543-4043		
	B.	Option	al Secondary Approval (Name and Title):		
		Signat	ure: Date:		
		e-mail:	Phone:		

DOE NEPA	Tracking	Number

Remainder to be completed by DOE

VI.

DO	E Concurrence/Recommendation/Determination:			
A.	DOE Project Director/Program Manager or Contract/Grant Mana	gement Specialist:	Yes	No
	Has the Applicant completed the Form correctly? Does an existing Generic Categorical Exclusion apply? If yes, indicate:			
	Name and Title:			
	Signature: Cynites Sude	_ Date: June	-11, 20/	5
B.	DOE NEPA Team Review:			
	Is the class of action identified in the DOE NEPA Regulations (A Subpart D (10 CFR § 1021))? If yes, specify the class(es) of action:	ppendices A-D to	Yes	No
	Name and Title:	VIV. 17 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Signature:	Date:		
C.	DOE Counsel (if requested):			
	Name and Title:			
	Signature:	Date:		
D.	DOE NEPA Compliance Officer:			
	preceding pages are a record of documentation required under E 1.400.	OOE Final NEPA Regul	lation, 10 CFR §	
X	Action may be categorically excluded from further NEPA re- action meets the requirements for Categorical Exclusion ref		ed that the propos	sed
	Action requires approval by Head of the Field Organization. Environmental Assessment.	Recommend prepara	tion of an	
	Action requires approval by Head of the Field Organization preparation of an Environmental Impact Statement.	or a Secretarial Officer	. Recommend	
	Comments/limitations if any:			
	NEPA Compliance Officer:			
	Name: Heter R. Siebart		((.)	
	Signature: July Subolh	Date:	6/11/201	15
	•			

DOE NEPA	Tracking	Number
----------	----------	--------

Optional Additional Narrative: (add additional detail to description to Sections I and II or explanations to responses in Sections III and IV.

Explanation of "yes" response to questions IV, B, #30 and #31.

The funded studies will involve work with radioactive materials, so there is a risk of radiation exposure to workers and there will be radioactive waste. The studies are approved by the University of Washington Environmental Health and Safety (EH&S) department under a radioactive materials authorization (Dr. Wilbur, AUI #711) issued by the Radiation Safety Committee of EH&S. All personnel are trained in handling radioactive materials and we practice limiting radiation exposure to As Low As Reasonably Achievable (ALARA program). We have conducted research with the radioactive materials at UW for over 25 years. We fully comply with UW requirements for handling of radioactive materials and radiation waste disposal. UW Radiation Safety has a radioactive waste collection and disposal program.