U.S. DEPARTMENT OF ENERGY - NETL

CATEGORICAL EXCLUSION (CX) DESIGNATION FORM

Project No.: DE-FE0032474	Recipient Name: Georgia	Tech Research Project Location: Atlanta, GA			
Sub-recipient(s) and Locations:					
None					
NETL Sponsoring Org.: FECM/TDC/CM/	Integrated Carbon Mgm	NETL Contact: Omer Bakshi			
Brief Title of Proposed Action: Testing	and Developing Ionic	Liquids for Integrated Leaching, Extraction, S	ep		
Brief Description of Activities:					
		stem capable of extracting rare earth elements d recycling the ionic liquids.	from		
THE PROPOSED ACTION FALLS WI SUBPART D OF DOE NEPA IMPLEM		ATEGORICAL EXCLUSION(S) FROM APPENDICES A AND B CFR 1021):	то		
General Administration/Management		Electrical Power and Transmission			
A1 – Routine business actions			B4.4 – Power management activities (storage, load shaping, and balancing)		
 A9 – Info gathering, analysis, documentation A11 – Technical advice and planning assist 	-	 B4.6 – Transmission support addition/modifications at developed facility site B4.11 – Construction of power substations and interconnection facilities 			
	lance	■ B4.11 – Constitution of power substations and interconnection fa			
Facility Operations B1.3 – Routine maintenance and custodial			,		
■ B1.5 – Routine maintenance and custodial ■ B1.7 – Communication system and data pr		Conservation, Fossil, and Renewable Energy Activities B5.1 – Actions to conserve energy, no indoor air quality degradati	ion		
installation, operation, removal		 B5.1 – Nethols to conserve energy, no indoor an quanty degradation B5.3 – Modification/abandonment of wells 			
■ B1.15 – Support building or structure, non-	waste storage, construction/	□ B5.5 – Short crude oil/gas/steam/geothermal/carbon dioxide pipel			
operation		const/oper within an existing right-of-way (< 20 miles) bet existing facilities	ween		
Safety and Health		■ B5.13 – Experimental wells for injection of small quantities of ca	rbon		
 B2.1 – Modifications to enhance workplace B2.2 – Installation/improvement of buildin 		dioxide (< 500,000 tons)			
■ B2.2 – Installation/Improvement of building B2.3 – Installation of equipment for person		B5.15 – Small scale renewable energy research/development/pilot	projects		
		 B5.22 – Alternative fuel vehicle fueling stations B5.23 – Electric vehicle charging stations 			
General Research B3.1 – Site characterization/environmental	monitoring				
■ B3.6 – R&D or pilot facility construction/o	e	Other Specify category:			
□ B3.7 – New infill exploratory, experimenta					
construction and/or operation	,	□ Specify category:			
 B3.9 – Certain CCT demonstration activitie B3.11 – Outdoor tests, experiments on mat 					
	errais and equipment components	□ Specify category:			

This action (1) would not present any extraordinary circumstances such that the action might have a significant impact upon the human environment; (2) is not connected to other actions with potentially significant impacts; (3) is not related to other actions with cumulatively significant impacts; and (4) is not inconsistent with 10 CFR 1021.211 - Interim Actions or 40 CFR 1506.1 - Limitations during the NEPA process.

SELECT ONE OF THE FOLLOWING:

- This Categorical Exclusion includes all tasks and phases in the Statement of Work or Statement of Project Objectives for this project.
- □ This Categorical Exclusion is only valid for the following tasks/phases The DOE initiator acknowledges the responsibility to obtain a NEPA determination prior to initiating any activities outside the scope of this Categorical Exclusion.

SELECT ONE OF THE FOLLOWING:

- It is Categorical Exclusion includes all locations and activities for this project.
- Additional sites, sub-recipients, or activities cannot be identified at this time. The DOE initiator acknowledges the responsibility to obtain a NEPA determination prior to initiating any activities outside the scope of this Categorical Exclusion.

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/ 2024

year 2024

year

NOTE: ANY CHANGE(S) TO THE PROJECT SCOPE OR LOCATIONS MAY REQUIRE A NEW NEPA DETERMINATION.

DOE Initiator Signature:	OMER BAKSHI	Digitally signed by OMER BAKSHI Date: 2024.01.16 15:21:06 -05'00'	Date:	01	/ 16
NEPA Compliance Office	r: JILL TRIULZI	Digitally signed by JILL TRULZI Dete: 2024.01.19 16:13:20-05:00	Date:	month	day / <u>19</u>
				month	day

The following special condition is provided for the consideration of the Contracting Officer: