## **U.S. DEPARTMENT OF ENERGY - NETL**

# **CATEGORICAL EXCLUSION (CX) DESIGNATION FORM**

Project No.: DE-FE0032469	Recipient Name: UKRF	Project Location: Lexington, K	Y				
Sub-recipient(s) and Locations:							
None							
Brief Description of Activities: This project investigates a r to enhance the recovery of RE	ng Rare Earth Element Re novel process that emplo EES.	ecovery from Coal Refuse Streams: An Ion ys task-specific ionic liquids (ILs) in	two stages				
THE PROPOSED ACTION FALLS WITHIN THE FOLLOWING CATEGORICAL EXCLUSION(S) FROM APPENDICES A AND B TO SUBPART D OF DOE NEPA IMPLEMENTING PROCEDURES (10 CFR 1021):							
General Administration/Management   □ A1 – Routine business actions   □ A9 – Info gathering, analysis, documentati   □ A11 – Technical advice and planning assis   Facility Operations □   □ B1.3 – Routine maintenance and custodial   □ B1.7 – Communication system and data prinistallation, operation, removal   □ B1.15 – Support building or structure, non operation   Safety and Health □   □ B2.1 – Modifications to enhance workplace   □ B2.3 – Installation/improvement of buildin   □ B2.3 – Installation of equipment for persor   General Research ⊠   ⊠ B3.1 – Site characterization/environmental   ⊠ B3.6 – R&D or pilot facility construction/operation   □ B3.7 – New infill exploratory, experimenta construction and/or operation   □ B3.9 – Certain CCT demonstration activiti   □ B3.11 – Outdoor tests, experiments on mata	tance services ocessing equipment acquisition, -waste storage, construction/ e habitability g/equipment instrumentation nel safety and health monitoring peration/decommissioning l oil/gas/geothermal well es, emissions unchanged	Electrical Power and Transmission   B4.4 – Power management activities (storage, load shap   B4.6 – Transmission support addition/modifications at c   B4.11 – Construction of power substations and intercon   B4.13 – Upgrading and rebuilding existing power lines   Conservation, Fossil, and Renewable Energy Activities   B5.1 – Actions to conserve energy, no indoor air quality   B5.3 – Modification/abandonment of wells   B5.5 – Short crude oil/gas/steam/geothermal/carbon dio const/oper within an existing right-of-way (< 20 servisiting facilities	leveloped facility site nection facilities (< 20 miles) 7 degradation xide pipeline miles) between ities of carbon				

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.

month day

17

/ 2024

year

2024

year

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

DOE Initiator Signature:	Alison Metz	Digitally signed by Alison Metz Date: 2024.01.17 14:38:43 -05'00'	Date:	01	/ 17
Ũ				month	day
NEPA Compliance Officer:	HARK LUSK	Digitally signed by MARK LUSK Date: 2024.02.05 09:54:16 -05'00'	Date:	02	/ 05

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