NETL F 451.1-1/1 Revised: 11/24/2014 Reviewed: 11/24/2014 (Previous Editions Obsolete)

U.S. DEPARTMENT OF ENERGY - NETL

CATEGORICAL EXCLUSION (CX) DESIGNATION FORM

Project No.: DE-FE0032085	Recipient Name:	C-Crete Te	chnologies	Project Location:	Stafford, T	ľX	
Sub-recipient(s) and Locations: None.							
none.							
NETL Sponsoring Org.: FE/TDC/ACCM/	Mineral Sust	ain. Team	NETL Contact:	Michael Fasou	letos		
Brief Title of Proposed Action: Low COS	t, Rapid and	Scalable M	icrowave Coal	Melt-Casting	For Modular	Carbon	
Brief Description of Activities: The objective is to demonstrate feasibility of modular, coal-based building prototypes where building							
components are coal-derived with properties meeting/exceeding conventional construction materials.							
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			Electrical Powe	er and Transmission			
A1 – Routine business actions				B4.4 – Power management activities (storage, load shaping, and balancing)			
 ■ A9 – Info gathering, analysis, documentation, dissemination, and training ■ A11 – Technical advice and planning assistance 			■ B4.11 – Co	 □ B4.6 – Transmission support addition/modifications at developed facility sit □ B4.11 – Construction of power substations and interconnection facilities □ B4.13 – Upgrading and rebuilding existing power lines (< 20 miles) 			
Facility Operations			•			3 (\ 20 mmc3)	
 □ B1.3 – Routine maintenance and custodial services □ B1.7 – Communication system and data processing equipment acquisition, 				Conservation, Fossil, and Renewable Energy Activities B5.1 – Actions to conserve energy, no indoor air quality degradation			
installation, operation, removal				☐ B5.3 – Modification/abandonment of wells			
☐ B1.15 – Support building or structure, non-waste storage, construction/ operation				☐ B5.5 – Short crude oil/gas/steam/geothermal/carbon dioxide pipeline const/oper within an existing right-of-way (< 20 miles) between			
•				sting facilities	ilg fight-of-way (< 2	o nines) between	
Safety and Health B2.1 – Modifications to enhance workplace	habitability			experimental wells for in exide (< 500,000 tons)	jection of small qua	ntities of carbon	
☐ B2.2 – Installation/improvement of building	g/equipment instrum	entation		nall scale renewable en	ergy research/develo	opment/pilot projects	
☐ B2.3 – Installation of equipment for person	nel safety and health		■ B5.22 – A1	ternative fuel vehicle for	ueling stations		
General Research			■ B5.23 – Ele	ectric vehicle charging	stations		
■ B3.1 – Site characterization/environmental ■ B3.6 – R&D or pilot facility construction/or	-	oning	Other				
☐ B3.7 – New infill exploratory, experimenta			☐ Specify cat	legory:			
construction and/or operation B3.9 – Certain CCT demonstration activities, emissions unchanged			☐ Specify cat	tegory:			
☐ B3.11 – Outdoor tests, experiments on materials and equipment components							
			☐ Specify cat	tegory:			
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: This Categorical Exclusion includes all locations and activities for this project.							
Additional sites, sub-recipients, or act determination prior to initiating any actions.	ivities cannot be i	dentified at this	time. The DOE init		the responsibility	to obtain a NEPA	
NOTE: ANY CHANGE(S) TO THE PROJECT SCOPE OR LOCATIONS MAY REQUIRE A NEW NEPA DETERMINATION.							
DOE Initiator Signature: Michael A. Fasou	letos	Digitally signed by Michael / Date: 2021.05.26 14:05:06 -	A. Fasculetos 04'00'	Date:		021	
NEPA Compliance Officer: Mark Lusk		Digitally signed by Mark Date: 2021.06.11 09:13:	Lusk 36 -04'00'	Date:	06 / 11 / 2	2021	
The following special condition is provided for the consideration of the Contracting Officer:							