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.: DEFE0032329	Recipient Name: Oce	eanit Lab	poratories	Project Location	on: Honolulu,H	I;Houston,TX
Sub-recipient(s) and Locations:						
None						
NETL Sponsoring Org.: FECM/TCC/RS	'AR and MMT		NETL Contact:	Joseph Renk		
Brief Title of Proposed Action: HALO: Hy	drogen Recovery	Using AI	-Arc-Plasma	Learn Operat	ionalSystemPr	roduced Water
Brief Description of Activities:						
HALO pilot-scale fabrication, prototype testing and validat		lidation.	HALO model	ing, manageme	ent, and lab-s	scale and
THE PROPOSED ACTION FALLS WI'S UBPART D OF DOE NEPA IMPLEM				CLUSION(S) FRO	M APPENDICES	A AND B TO
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, dissemination, and training			☐ B4.6 – Transmission support addition/modifications at developed facility sit			
☐ A11 – Technical advice and planning assistance			<ul> <li>□ B4.11 – Construction of power substations and interconnection facilities</li> <li>□ B4.13 – Upgrading and rebuilding existing power lines (&lt; 20 miles)</li> </ul>			
Facility Operations			B4.13 – Opgrading and rebuilding existing power lines (< 20 miles)			
☐ B1.3 – Routine maintenance and custodial services			Conservation, Fossil, and Renewable Energy Activities			
B1.7 – Communication system and data processing equipment acquisition,			B5.1 – Actions to conserve energy, no indoor air quality degradation			
installation, operation, removal  B1.15 – Support building or structure, non-waste storage, construction/			B5.3 – Modification/abandonment of wells			
operation			☐ B5.5 – Short crude oil/gas/steam/geothermal/carbon dioxide pipeline const/oper within an existing right-of-way (< 20 miles) between			
•				isting facilities	oung right or way ( \ 2	zo mnes) eetween
Safety and Health  R2.1 Modifications to enhance workplace	habitability				r injection of small qua	antities of carbon
<ul> <li>         □ B2.1 – Modifications to enhance workplace habitability     </li> <li>         □ B2.2 – Installation/improvement of building/equipment instrumentation     </li> </ul>			dioxide (< 500,000 tons)  B5.15 – Small scale renewable energy research/development/pilot projects			
☐ B2.3 – Installation of equipment for person				mall scale renewable Alternative fuel vehicle		opment/pilot projects
	•			Electric vehicle chargi		
General Research  B3.1 – Site characterization/environmental	monitorina		<b>3</b> 53.23 E	needite veinere endign	ng stations	
■ B3.6 – R&D or pilot facility construction/o	•		Other			
<ul> <li>□ B3.7 - New infill exploratory, experimental oil/gas/geothermal well construction and/or operation</li> <li>□ B3.9 - Certain CCT demonstration activities, emissions unchanged</li> <li>□ B3.11 - Outdoor tests, experiments on materials and equipment components</li> </ul>			☐ Specify ca			
		onents	☐ Specify ca			
			☐ Specify ca	ategory:		
This action (1) would not present any ext (2) is not connected to other actions with (4) is not inconsistent with 10 CFR 1021.	potentially significant in	mpacts; (3)	is not related to o	ther actions with co	umulatively signific	
SELECT ONE OF THE FOLLOWING	<del>}</del> :					
☐ This Categorical Exclusion includes a				ment of Project Ob		
▼ This Categorical Exclusion is only va				211 6		r acknowledges the
responsibility to obtain a NEPA deter	mination prior to initiat	ing any activ	vities outside the	scope of this Categ	orical Exclusion.	
SELECT ONE OF THE FOLLOWING  ☐ This Categorical Exclusion includes a  ☐ Additional sites, sub-recipients, or ac determination prior to initiating any a	Il locations and activities ivities cannot be identif	fied at this ti	me. The DOE in		es the responsibility	y to obtain a NEPA
NOTE: ANY CHANGE(S) TO THE P	ROJECT SCOPE OR	LOCATIO	NS MAY REQU	IRE A NEW NEP	'A DETERMINAT	ΓΙΟΝ.
DOE Initiator Signature: JOSEPH RENK	Dig Dai	itally signed by JOSEPH R te: 2023.07.06 09:13:06 -04	ENK '00'	Date:	'	2023
NEPA Compliance Officer: MARK LUSK Date: 2023.07.14 14-44		Digitally signed by MARK L Date: 2023.07.14 14:45:03	USK -04'00'	Date:	07 / 14 /	year <mark>2023</mark> year
The following special condition is provid	ed for the consideration	of the Cont	racting Officer:		monui day	,
CX covers research activities testing activities (Task 5).	s to be conducte	ed at exi	sting lab/o			