APPENDIX B

Categorical Exclusions Prepared for Phases 1 and 2A

Note: The Section 508 amendment of the Rehabilitation Act of 1973 requires that the information in federal documents be accessible to individuals with disabilities. The Agency has made every effort to ensure that the information in the *Frontier Observatory for Research into Geothermal Energy (FORGE), Milford, Utah* is accessible. However, this appendix is not fully compliant with Section 508, and readers with disabilities are encouraged to contact *Pierina Fayish* at (412) 386-5428 or <u>Pierina.Fayish@NETL.DOE.GOV</u> if they would like access to the information.

U.S. DEPARTMENT OF ENERGY - NETL

CATEGORICAL EXCLUSION (CX) DESIGNATION FORM

Project No.: DE-EE0007080	Recipient Name:	University	of Utah	Project Location: Salt Lake City, UT
Sub-recipient(s) and Locations:				
Barker, Windsor CA; Winkler, Pag Desert CA; Geothermal SS, Klamat	osa Springs CO h Falls OR; Mi	; HRM Service: ller, Golden (s, Cedar City CO; SWCA, Sal	UT; Geothermal Resource Group, Palm t Lake City UT; UGS, Salt Lake City UT
NETL Sponsoring Org.: FE/TDIC/OG/	UOG Team		NETL Contact:	
Brief Title of Proposed Action: Milford	l Site for Fro	ontier Obser	vatory for (Geothermal Energy (FORGE)
Brief Description of Activities:				
				aseline seismic monitoring at the for field activities in later phases.
THE PROPOSED ACTION FALLS WI SUBPART D OF DOE NEPA IMPLEM				LUSION(S) FROM APPENDICES A AND B TO
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 prinstallation, operation, removal □ B1.75 – Support building or structure, non operation Safety and Health □ B2.2 – Installation/improvement of building □ B2.3 – Installation of equipment for person General Research ☑ B3.1 – Site characterization/environmental □ B3.6 – R&D or pilot facility construction/operation □ B3.7 – New infill exploratory, experimentary construction and/or operation □ B3.9 – Certain CCT demonstration activiti □ B3.11 – Outdoor tests, experiments on main	services rocessing equipment a -waste storage, constr e habitability g/equipment instrume nuel safety and health I monitoring operation/decommission al oil/gas/geothermal v es, emissions unchang	cquisition, uction/ entation poning vell ged	□ B4.4 - Po □ B4.6 - Tr. □ B4.11 - C □ B4.13 - U □ B5.1 - Ac □ B5.3 - Mo □ B5.5 - Sh □ B5.13 - E □ B5.15 - S □ B5.15 - S	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 Phase 2A 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.

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

DOE Initiator Signature:	Date:	9 /	15	2016	
NEPA Compliance Officer:	Date:	month		year / 2016	
•		month	day	year	

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

U.S. DEPARTMENT OF ENERGY - NETL

CATEGORICAL EXCLUSION (CX) DESIGNATION FORM

Project No.: DE-EE0007080	Recipient Name:	University	of Ut	ah	Project Location:	Salt La	ke City,	UT
Sub-recipient(s) and Locations:								
SWCA & UGS-Salt Lake City,UT;GRG -Lakewood,CO;Optim-Reno,NV;INL-I								Golder
NETL Sponsoring Org.: FE/TDIC/OG/1	JOG Team		NETL	Contact: A	dam Tew			
Brief Title of Proposed Action: Enhance	d Geothermal	System Test	ing &	Developm	ent at the M	lilford,	UT FORGE	E Site
Brief Description of Activities:								
Phase 2B of FORGE includes dr well and vibroseismic survey						geotherma	al explo:	ration
THE PROPOSED ACTION FALLS WI SUBPART D OF DOE NEPA IMPLEM					USION(S) FROM	APPENDI	CES A ANI	D B TO
General Administration/Management ☑ A1 – Routine business actions ☑ A9 – Info gathering, analysis, documentatii ☑ A11 – Technical advice and planning assis Facility Operations □ B1.3 – Routine maintenance and custodial □ B1.7 – Communication system and data prinstallation, operation, removal □ B1.15 – Support building or structure, non operation Safety and Health □ B2.1 – Modifications to enhance workplace □ B2.2 – Installation/improvement of buildin □ B2.3 – Installation of equipment for person 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 ac -waste storage, constru e habitability g/equipment instrume unel safety and health monitoring operation/decommissio ul oil/gas/geothermal w es, emissions unchang	equisition, ection/ ntation ning ell ed		 B4.4 – Power B4.6 – Transm B4.13 – Upgr B5.1 – Action B5.3 – Modifi B5.5 – Short of const/or existing B5.13 – Expendixion B5.15 – Small B5.22 – Altern B5.23 – Electrometer 	ory:	ion/modificat existing pow energy Activit , no indoor ai of wells eothermal/car g right-of-wa ection of sma ergy research/ eling stations	tions at develo interconnectio /er lines (< 20 it es ir quality degra rbon dioxide p ny (< 20 miles) all quantities o /development/	oped facility site on facilities miles) adation pipeline) between 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 Phase 2B (except 2B.7) 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.

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

DOE Initiator Signature:	Date:	02 /	23	/ 2017
NEPA Compliance Officer:	Date:	month		year / 2017
		month	day	year

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

Task 2B.7 is excluded from this CX and included in a separate NEPA document.

Additional sites: U of NM-Albuquerque,NM; U of OK-Norman,OK; B Barker-Windsor,CA; AMEC FW-Oakland,CA