

UNIV / KY

NETL F 451.1-1/1
(1/2010) OPI=320
(Previous Editions Obsolete)

U.S. DEPARTMENT OF ENERGY - NETL

CATEGORICAL EXCLUSION (CX) DESIGNATION FORM

ARRA Yes No Grant No.: DOE-FOA-0000324
DOE Sponsoring Org. (FE, OE, EE, etc.): FE
NETL Sponsoring Org.: PI
NETL Contact: R. Paul Detwiler
Brief Title of Proposed Action:
US-China Advanced Coal Technologies Consortium (ACT)
Brief Description of Proposed Action:

Recipient Name: University of Kentucky
Action or Project No.:
FY: 2010
Performance Period: October 2010 - September 2015
Location: Lexington, KY

Laboratory-scale research undertaken by the University of Kentucky in support of the US-China Advanced Coal Technologies Consortium.

THE PROPOSED ACTION FALLS WITHIN THE FOLLOWING CATEGORICAL EXCLUSION(S) FROM APPENDICES A AND B OF DOE NEPA IMPLEMENTING PROCEDURE:

General Administration/Management

- A1 - Routine business actions
 A2 - Administrative contract amendments
 A7 - Transfer of property, use unchanged
 A8 - Award of technical support/M&O/personal service contracts
 A9 - Info gathering, analysis, documentation, dissemination, and training
 A11 - Technical advice and planning assistance
 A12 - Emergency Preparedness planning
 A14 - Approval of technical exchange arrangements

Facility Operations

- B1.2 - Training exercises and simulation
 B1.3 - Routine maintenance and custodial services
 B1.4 - Air conditioning installation for existing structures
 B1.5 - Cooling water system improvements in existing structures
 B1.7 - Communication system and data processing equipment acquisition, installation, operation, removal
 B1.13 - On-site pathway or short access road construction/acquisition
 B1.15 - Support building or structure, non-waste storage, construction/operation
 B1.16 - Removal of asbestos in accordance with regulations
 B1.22 - Building relocation to developed area/demolition/disposal
 B1.23 - Demolition/disposal of buildings, equipment, and structures
 B1.24 - Transfer, disposition, or acquisition of uncontaminated structures or equipment, environmental quality maintained
 B1.25 - Transfer, disposition, or acquisition of uncontaminated land for habitat preservation/wildlife management
 B1.26 - Small (<250,000 GPD) WWT facility const/oper/decom
 B1.27 - Disconnection of utilities
 B1.28 - Placement of unused facilities in environmentally safe condition
 B1.29 - Small on-site const/demolition waste disposal facility const/oper
 B1.30 - Transfer/transportation actions
 B1.31 - Relocation/operation of machinery or equipment, similar use
 B1.32 - Traffic flow adjustments, existing roads

Safety and Health

- B2.1 - Modifications to enhance workplace habitability
 B2.2 - Installation/improvement of building/equipment instrumentation
 B2.3 - Installation of equipment for personnel safety and health
 B2.5 - Facility safety and environmental improvements, replacement or upgrade of facility components, no change in useful life

General Research

- B3.1 - Site characterization/environmental monitoring
 B3.3 - Research related to conservation of fish and wildlife
 B3.6 - R&D or pilot facility construction/operation/decommissioning
 B3.7 - New infill exploratory, experimental oil/gas/geothermal well construction/operation construction/operation
 B3.8 - Outdoor ecological/environmental research in small area
 B3.9 - Certain CCT demonstration activities, emissions unchanged
 B3.11 - Outdoor tests, experiments on materials and equipment components

Power Resources Distribution/Facilities/Generation/Operations/Management

- B4.1 - Acquisition/utilization of excess electric power without: integration of new generation source(s), major physical changes to transmission system, or changes to normal generation operating limits
 B4.4 - Power service storage, load shaping, seasonal adjustments
 B4.6 - Transmission support addition/modifications at developed facility site
 B4.8 - Transmission agreements/modifications using one transmission system to transfer power to and from another system, without new generation sources or major physical changes to transmission systems
 B4.11 - Construction of power substations/support equipment/facilities with power delivery at < 230kV to include project power lines development <10 miles or power line relocation <20 miles; no integration of major new generation resources into a main transmission system.

Conservation, Fossil, and Renewable Energy Activities

- B5.1 - Actions to conserve energy, no indoor air quality degradation
 B5.2 - Modification to oil/gas/geothermal pumps and piping, no flow changes or air emission effects
 B5.3 - Modification (not expansion)/abandonment of oil storage access/brine injection/gas/geothermal wells; no site closure
 B5.4 - Repair/replacement of pipeline sections within maintenance provisions of a Section 404 permit
 B5.5 - Short crude oil/gas/steam/geothermal pipeline const/oper within a single industrial complex/existing right-of-way
 B5.12 - Workover of existing oil, gas, geothermal wells to restore production

Environmental Restoration/Waste Minimization

- B6.1 - Cleanup actions: small-scale, short-term (< \$5M and 5 years)
 B6.3 - Environmental control system improvements in existing structures, recycle/release/disposal within permitted facility

Other

Specify category:

This action would not (1) violate applicable ES&H requirements, (2) require siting of waste TSD or recovery facilities, (3) disturb hazardous substances (excluding substances that are naturally occurring in the project area), or (4) adversely affect environmentally sensitive resources. Furthermore, 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) and is not inconsistent with 10 CFR 1021.211 or 40 CFR 1506.1. Therefore, the proposed action may be categorically excluded from further NEPA review.

DOE INITIATOR SIGNATURE: [Signature]
NEPA Compliance Officer: [Signature]

DATE: 9 / 16 / 2010
month day year
DATE: 02 / 04 / 2011
month day year

NCO Comment: