

**ENVIRONMENTAL REVIEW FOR CATEGORICAL EXCLUSION DETERMINATION**

**Rocky Mountain Region, Western Area Power Administration**

**Terry Ranch Road Substation Erosion Control**

**Laramie County, Wyoming**

**Project Number: 2016-069**

- A. **Brief Description of Proposal:** Western Area Power Administration (Western) proposes to design and install a new drainage system at the Terry Ranch Road Substation, located in Laramie County, Wyoming. The project is needed to prevent water from entering the vault adjacent to the control building, repair existing soil erosion, and help to control and prevent future soil erosion in and/or around the perimeter of the substation.

The Terry Ranch Road Substation has approximately 12-feet of grading fall across the yard, draining the substation from southeast to northwest. The cable trench layout relative to the yard grading creates several areas that trap water. Rock trench drains were installed during the substations construction to help drain water trapped in a cable trench corner. However, there is still a low point where water cannot properly drain away from the southeast corner of the control building. Due to the large spring/summer precipitation events, water and large amounts of sediment have been found in the cable trench and vault.

Additionally, due to the surface runoff from the yard, approximately six areas of erosion have occurred on the north fence line and at the entry gate. An estimated quarter of the width of the access road leading to the entry gate and the west road shoulder has been eroded. The six areas of erosion on the north fence line have begun to undercut the fence. In areas being undercut, some gullies have becoming large enough to allow access of small animals under the fence line.

The proposed work will consist of designing and installing erosion control measures in and/or around the substation. The access road and shoulder at the entry gate should be re-graded and the shoulder embankment reinforced with riprap. The eroded areas along the north fence line require re-grading and gravel surfacing. A drainage system will be installed to minimize excess sheet flow to control and prevent future erosion issues.

- B. **Number and Title of the Categorical Exclusion Being Applied:** (See text in 10 CFR Part 1021, Subpart D.)

**B4.11 Electric Power Substations and Interconnection Facilities**

Construction or **modification of electric power substations** or interconnection facilities (including, but not limited to, switching stations and support facilities).

- C. **Regulatory Requirements in 10 CFR 1021.410 (b):** (See full text in regulation and attached checklist.)

- 1) The proposed action fits within a class of actions listed in Appendix A or B to Subpart D.

For classes of actions listed in Appendix B, the following conditions are integral elements. To fit within a class, the proposal must not:

- Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders;

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- Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities;
  - Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; and
  - Have the potential to cause significant impacts on environmentally sensitive resources. An environmentally sensitive resource is typically a resource that has been identified as needing protection through Executive Order, statute, or regulation by Federal, State, or local government, or a federally recognized Indian tribe. An action may be categorically excluded if, although sensitive resources are present, the action would not have the potential to cause significant impacts on those resources (such as construction of a building with its foundation well above a sole-source aquifer or upland surface soil removal on a site that has wetlands). Environmentally sensitive resources include, but are not limited to, those listed in paragraph B. (4) (see Attachment A).
- 2) There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.
- 3) The proposal is not “connected” to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

#### **D. Special Stipulations Pertaining to the Proposal:**

If the scope of work of this project changes, Western’s Environmental Division must be contacted to determine whether additional environmental review is required.

**This Categorical Exclusion expires one year from the signature date.** If all project work has not been completed by the expiration date, or if the need for an environmental compliance extension is anticipated, Western’s Environmental Division must be contacted for an updated environmental review.

To comply with the Migratory Bird Treaty Act, work should be scheduled outside the March 1 through July 31 general nesting period. If work is to be done during this period, contact Western’s Environmental Division at least 30 days before the work is scheduled so that they may arrange for a pedestrian survey to be conducted in advance of the maintenance crews to identify active nests that are to be avoided.

If any cultural resources are inadvertently discovered during implementation of the proposed action, work within 50-feet of the discovery area shall halt immediately, Western’s archaeologist shall be contacted, and the resource shall be evaluated by an archaeologist or historian who meets the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61). Work in the area of discovery may not resume until notification to proceed is provided by Western’s archaeologist.

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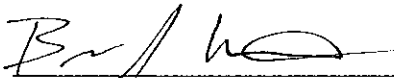
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Western has a clean vehicle policy intended to prevent the transport of non-native and invasive plants and animals, including noxious weeds and aquatic nuisance species. Operators will be required to thoroughly wash all vehicles and equipment (trailers, trucks, UTVs, etc.) before entering the action area and working on the project.

Western shall exercise care to preserve the natural landscape and shall conduct this project to prevent any unnecessary destruction, scarring, or defacing of the natural surroundings in the project vicinity. Except where clearing is required for permanent works, approved construction roads, or excavation operations, vegetation shall be preserved and shall be protected from damage by Western's construction operations and equipment. If operations or equipment cause terrain damage, the maintenance crew shall repair the damage.

To minimize impacts to the environment and prevent damage to access roads, operation of off-road equipment will not be permitted during periods of heavy rains, when soils are wet, or when excessive soil damage may occur due to unsuitable operating conditions. Project work shall not be conducted during periods when the soil is too wet to adequately support construction equipment. If equipment creates ruts in excess of six inches deep, the soil shall be deemed too wet to adequately support construction equipment.

- E. **Determination:** Based on my review of information provided to me and in my possession concerning the proposed action, I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is categorically excluded from requirements for an EA or an EIS.

  
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Signature

Date: 16 MAY 2016

Brian Little  
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Rocky Mountain Customer Service Region  
Western Area Power Administration

Prepared by: Brian Little

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**ATTACHMENT A**

**Conditions That Are Integral Elements of the Classes  
of Actions in Appendix B That Apply to This Proposal**

Checklist for Categorical Exclusion Determination, revised Nov. 2011

<b>Application of Categorical Exclusions (1021.410)</b>	<b>Disagree</b>	<b>Agree</b>	<b>Unknown</b>
(b)(1) The proposal fits within a class of actions that is listed in appendix B to subpart D.		X	
(b)(2) There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal, including, but not limited to, scientific controversy about the environmental effects of the proposal; uncertain effects or effects involving unique or unknown risks; and unresolved conflicts concerning alternate uses of available resources.		X	
(b)(3) The proposal has not been segmented to meet the definition of a categorical exclusion. Segmentation can occur when a proposal is broken down into small parts in order to avoid the appearance of significance of the total action. The scope of a proposal must include the consideration of connected and cumulative actions, that is, the proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or § 1021.211 of this part concerning limitations on actions during EIS preparation.		X	
<b>B. Conditions that are Integral Elements of the Classes of Actions in Appendix B.</b>	NO	YES	Unknown
(1) Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety and health, or similar requirements of DOE or Executive Orders.	X		
(2) Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities;	X		
(3) Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases;	X		
(4) Have the potential to cause significant impacts on environmentally sensitive resources. An environmentally sensitive resource is typically a resource that has been identified as needing protection through Executive Order, statue, or	X		

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regulation by Federal, State, or local government, or a federally recognized Indian tribe. An action may be categorically excluded if, although sensitive resources are present, the action would not have the potential to cause significant impacts on those resources (such as construction of a building with its foundation well above a sole-source aquifer or upland surface soil removal on a site that has wetlands). Environmentally sensitive resources include, but are not limited to:			
(i) Property (such as sites, buildings, structures, and objects) of historic, archaeological, or architectural significance designated by a Federal, State, or local government, or property determined to be eligible for listing on the National Register of Historic Places;	X		
(ii) Federally-listed threatened or endangered species or their habitat (including critical habitat) or federally- proposed or candidate species or their habitat (Endangered Species Act); state-listed or state-proposed endangered or threatened species or their habitat; Federally-protected marine mammals and Essential Fish Habitat (Marine Mammal Protection Act; Magnuson-Stevens Fishery Conservation and Management Act); and otherwise federally-protected species (such as under the Bald and Golden Eagle Protection Act or the Migratory Bird Treaty Act);	X		
(iii) Floodplains and wetlands (as defined in 10 CFR 1022.4, — Compliance with Floodplain and Wetland Environmental Review Requirements: “Definitions,” or its successor);	X		
(iv) Areas having a special designation such as federally- and state-designated wilderness areas, national parks, national monuments, national natural landmarks, wild and scenic rivers, State and Federal wildlife refuges, scenic areas (such as National Scenic and Historic Trails or National Scenic Areas), and marine sanctuaries;	X		
(v) Prime or unique farmland, or other farmland of statewide or local importance, as defined at 7 CFR 658.2(a), — Farmland Protection Policy Act: Definitions, or its successor;	X		
(vi) Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region); and	X		
(vii) Tundra, coral reefs, or rain forests; or	X		

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(5) Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those of the Department of Agriculture, the Environmental Protection Agency, and the National Institutes of Health.	X		
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