U.S. Department of Energy
Categorical Exclusion Determination Form

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Proposed Action Title: MEAD KU2A EMERGENCY BUSHING REPLACEMENT

Program or Field Office: Western Area Power Administration, Desert Southwest Regional Office

Location(s) (City/County/State): Boulder City, Clark County, Nevada

Proposed Action Description:
Western proposes to remove approximately 27,000 gallons of oil from its Mead Substation transformer KU2A, repair oil leaks on the transformer and replace nine U-type transformer bushings. U-type bushings are known for catastrophically failing and these bushings are showing signs of deterioration so replacement is imperative. Western's Mead Substation is located south of Boulder City, Township 23 South, Range 64 West, Clark County, NV. The transformer oil will be contained in tanker trucks, processed in a mobile oil processor on-site and placed back into the transformer. A crane will be used to lift the old bushings out of the transformer and the bushings will be placed in secondary containment consisting of thick plastic sheeting that is bermed using hay bales, wood poles or a light hump of gravel (less than six inches). The old bushings will be drained in the secondary containment area and loaded onto a flatbed semi-truck and transported to a disposal/recycling facility. The bushing oil will be drained into a tanker truck and will be transported to a disposal/recycling facility. The crane will also be used for installing the new bushings. All work shall be conducted within the existing fenced substation yard and no road work will be required for this project which is scheduled to start January 2, 2014 and is expected to be completed by May 30, 2014.

Categorical Exclusion(s) Applied:
B1.3 - Routine maintenance

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see Subpart D of 10 CFR Part 1021.

Regulatory Requirements in 10 CFR 1021.410(b): (See full text in regulation)

☑ The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D.

To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (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; (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; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (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 listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

☑ There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

☑ The proposal has not been segmented to meet the definition of a categorical exclusion. This 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 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

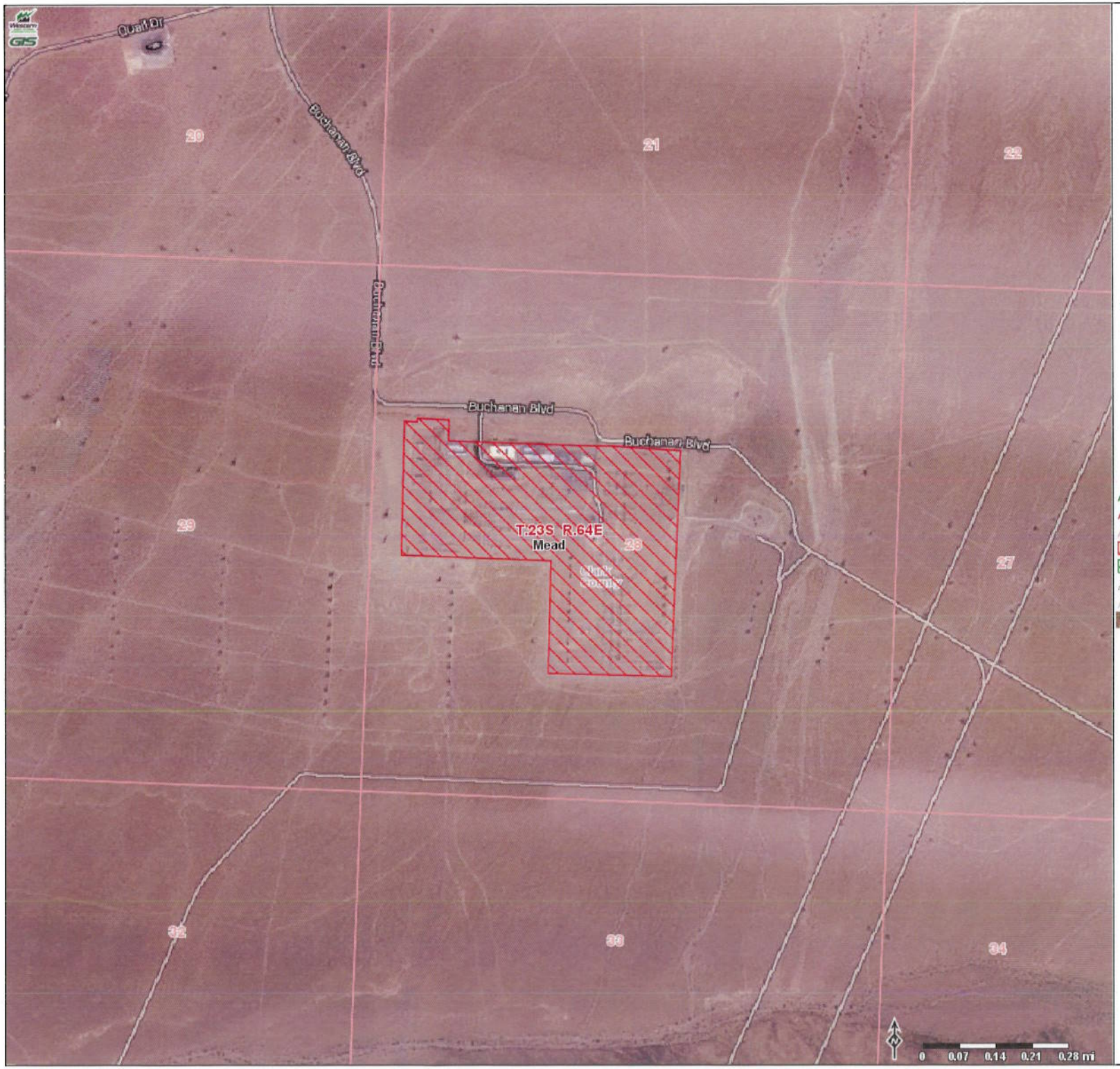
Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

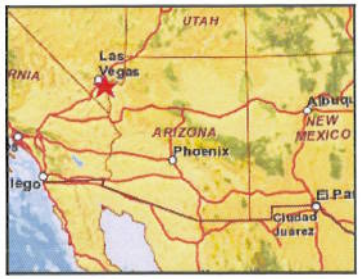
NEPA Compliance Officer: Lord Marcant Date Determined: 7-2-13

Google earth

feet 2000

meters 800





Desert Southwest Region

Western Area Power Administration
An agency of the U.S. Department of Energy

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Map Parameters

UTM ZONE 12, NAD83
Scale 1:12,000
6/12/2013 4:20 P.M.

- Proposed and Re-route Structure
- Proposed or Re-route T-Line
- Township & Range
- Sections
- Facility / Substation / Switchyard
- Proposed Facilities
- States
- Counties
- Google Aerials and Labels