

RECORD OF CATEGORICAL EXCLUSION DETERMINATION

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Title: Replace Crude Oil Injection Pumps WHP 22, 23, 131

Description: This project consists of purchasing three new, higher head 50% capacity replacement pumps for the existing Crude Oil Injection. Replacement of the three existing pumps with three new identical pumps capable of providing a minimum differential pressure of 975 psi at 120,000 barrels per day per pump will provide a sufficiently high fill header pressure to fully inventory the caverns. Operation of two pumps at a time is required to provide the Level I fill rate of 225,000 barrels per day. The third pump will be an idle spare to achieve the required reliability. All three pumps should have the same characteristic curve for maximum flow delivery.

Regulatory Requirements: National Environmental Policy Act (NEPA) Implementing Procedures (10 Code of Federal Regulations (CFR) 1021)

10 CFR 1021.410 (Application of Categorical Exclusions)

(a) The actions listed in Appendices A and B of Subpart D are classes of actions that Department of Energy (DOE) has determined do not individually or cumulatively have a significant effect on the human environment (categorical exclusions).

(b) To find that a proposal is categorically excluded, DOE shall determine the following:

- (1) The proposed action fits within a class of actions that is listed in Appendix A or B of Subpart D;
- (2) There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal; and
- (3) The proposal is not "connected" (40 CFR 1508.25(a)(1)) to other actions with potentially significant impact, is not related to other proposed actions with cumulatively significant impacts (40 CFR 1508.25(a)(2)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

Appendix B (Categorical Exclusions Applicable to Specific Agency Actions)

The proposed action must not:

1. Threaten a violation of statutory, regulatory, or permit requirements for environment, safety, and health, including requirements of DOE and/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 Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)-excluded petroleum and natural gas products that preexist in the environment such that would be uncontrolled or un-permitted releases;
4. Have the potential to cause significant impacts on environmentally sensitive resources, which includes (i) property (sites, buildings, structures, and objects) of historical, archeological, or architectural significance; (ii) federally-listed and state-listed threatened or endangered species or their habitat, federally-protected marine mammals and essential fish habitat and otherwise federally-protected species; (iii) floodplains and wetlands; (iv) federally and state designated areas (wilderness areas, national parks, national monuments, national natural landmarks, wild and scenic rivers, wildlife refuges, scenic areas, and marine sanctuaries); (v) prime or unique farmland; (vi) special sources of water (sole-source aquifers, wellhead protection areas, and other vital water resources); and (vii) tundra, coral reefs, or rain forests); or
5. Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species.

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Categorical Exclusion to be applied: B5.2

Modification to existing pump and piping configurations (including manifolds, metering systems, and other instrumentations conveying materials such as air, brine, carbon dioxide, geothermal fluids, hydrogen gas, natural gas, nitrogen gas, oil, produced water, steam and water). Covered modifications would not have the potential to cause significant changes to design process flow rates or permitted air emissions.

Electronic Approval via NEPA Workflow
Approved by SPRPMO
NEPA Compliance Officer

9/27/2016
Determination Date