

## RECORD OF CATEGORICAL EXCLUSION DETERMINATION

**Project ID No. & Title:** BH-MM-597 Replace Raw Water Intake Pipeline  
BM-MM-590 Replace Raw Water Intake Pipeline No.1

### **Description:**

BH-MM-597 - The replacement pipeline will be constructed of internally lined steel line pipe that meets the flow and pressure requirement for the current Big Hill SPR mission. The pipeline will be placed within the existing right-of-way. The requirement of the pipeline is to assure approximately 1.20 million barrels per day can be pumped to the Big Hill Site providing an inlet pressure of at least 100 psi to the suction of the Raw Water Injection pumps and that can withstand the maximum discharge pressure of the Raw Water Intake pumps. The new line pipe will conform to ANSI/ASME B31.4, constructed of 42-inch outside diameter, 0.375-inch wall, API 5L, X60, grade material with internal ½-inch cement lining and an external fusion bonded epoxy (FBE) corrosion preventative coating. The maximum fluid velocity will be less than 9 feet per second (fps).

BM-MM-590 - The existing two 36-inch pipelines will be replaced with a new underground 42-inch diameter cement-lined raw water line and the aboveground portion will be replaced with 48-inch carbon steel. The pipeline will be placed within the existing right-of-way. A Horizontal Directional Drill (HDD) will be used to penetrate the levee. The carbon steel pipeline installed underground will need to be cathodically protected against external corrosion. A new pig launcher and receiver will be required and will be installed near the existing one. The total installation length of this alternative is approximately 3,500 feet. Permission and permit from Levee Drainage District is required for levee work.

**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

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- 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.

### **Categorical Exclusion to be applied: B5.4**

Repair, replacement, upgrading, rebuilding, or minor relocation of pipelines within existing rights-of-way, provided that the actions are in accordance with applicable requirements. Pipelines may convey materials including, but not limited to, oil, water, and nitrogen gas.

**Electronic Approval via NEPA Workflow**  
**Approved by SPRPMO**  
**NEPA Compliance Officer**

**10/26/2016**  
**Determination Date**