

DOEID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Materials and Fuels Complex (MFC) Diversion Dam

SECTION B. Project Description:

There is a flood control dam about 2000 ft south of MFC. The dam is at risk of failure during a large runoff event. This project will reinforce the flood control dam with additional earthen material and a concrete headwall around the culvert inlet. The workscope consists of 1) Removing riprap from the existing slope around the culvert area. 2) Installing a concrete headwall structure around the culvert inlet. 3) Increase the slope of the dam at the culvert inlet and around the headwall to a 3:1 slope. 4) Replace riprap around headwall.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air emissions - Project activities may also generate fugitive dust. If generation of fugitive dust is expected from project operations, reasonable precautions will be taken to prevent the particulate from becoming airborne (IDAPA 58.01.01.650-651). All dust suppression activities will be documented in accordance with requirements in the Idaho National Laboratory (INL) Title V air permit. The date, location, time, and the type and amount of dust suppressant used will be documented in project files.

Disturbing Cultural or Biological Resources - A cultural resource review will be necessary. Project personnel will work with the Cultural Resource Management (CRM) Office to avoid impacts to known resources and complete the requisite surveys and monitoring. The CRM Office will also be contacted immediately and work will temporarily halt if any evidence of cultural/historical artifacts or sensitive items is discovered during project implementation in any location. Project personnel must follow recommendations made by CRM personnel to avoid disturbance of cultural resources.

Project activities may disturb wildlife or wildlife habitat. A review of areas impacted by the project will be requested of Gonzales-Stoller Surveillance (GSS) personnel. Any areas where soil/vegetation is disturbed or destroyed will be subject to weed control and/or revegetation requirements. Contact Steve Winn for inclusion of the areas in Plan (PLN)-611. PLN-611 addresses control only of noxious weeds. Project personnel remain responsible for on-going control of invasive weeds, such as cheat-grass. Contact Jackie Hafla, of GSS, at 227-9031 for revegetation requirements. Project personnel have overall responsibility for weed control and/or revegetation (if needed); revegetation and weed control may require several years of effort.

Nesting bird season begins on 1 May. Beginning on 1 May, field work must be preceded by a nesting bird survey conducted by GSS personnel. The survey must be completed no more than 2 weeks before the work begins and preferably the week prior to the commencement of soil/vegetation disturbing activities. Recommendations from GSS personnel regarding breeding birds must be followed.

Generating and managing waste - Industrial waste may be generated by project activities. All waste must be characterized and managed for disposal by Waste Generator Services (WGS). All scrap material will be recycled or excessed to the extent practicable.

Using, Reusing, and Conserving Natural Resources - Additional fill material will need to be brought in to increase the slope of the face of the dam in the area the concrete apron will be installed.

All applicable waste will be diverted from disposal in the landfill when possible. Project personnel will use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The project will practice sustainable acquisition, as appropriate and practicable, by procuring construction materials that are energy efficient, water efficient, are bio-based in content, environmentally preferable, non-ozone depleting, have recycled content, or are non-toxic or less-toxic alternatives. New equipment will meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see <http://www.sftool.gov/GreenProcurement/ProductCategory/14>).

SECTION D. Determine the Recommended Level of Environmental Review (or Documentation) and Reference(s): Identify the applicable categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification and the approval date.

For Categorical Exclusions (CXs) the proposed action must not: 1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, 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 or facilities; 3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; 4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist which would affect the significance of the action, and the action is not "connected" nor "related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts.

References: National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021 Appendix B to Subpart D, Categorical Exclusion B2.5, "Facility safety and environmental improvements," effective November 14, 2011.

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Justification: Project activities are consistent with 10 CFR 1021 Appendix B to Subpart D, Categorical Exclusion B2.5 "Safety and environmental improvements of a facility (including, but not limited to, replacement and upgrade of facility components) that do not result in a significant change in the expected useful life, design capacity, or function of the facility and during which operations may be suspended and then resumed. Improvements include, but are not limited to, replacement/upgrade of control valves, in-core monitoring devices, facility air filtration systems, or substation transformers or capacitors; addition of structural bracing to meet earthquake standards and/or sustain high wind loading; and replacement of aboveground or belowground tanks and related piping, provided that there is no evidence of leakage, based on testing in accordance with applicable requirements (such as 40 CFR part 265, "Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities" and 40 CFR part 280, "Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks"). These actions do not include rebuilding or modifying substantial portions of a facility (such as replacing a reactor vessel)."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 6/25/2013