

# DOE-ID NEPA CX DETERMINATION

## Idaho National Laboratory

### SECTION A. Project Title: Stormwater Drainage Improvement at IRC

### SECTION B. Project Description and Purpose:

The purpose of the proposed action is to improve stormwater drainage at the Idaho National Laboratory (INL) Research Center (IRC) and to eliminate pooling and allow proper flow of precipitation away from an area about 50' X 100' on the asphalt between the INL Engineering Demonstration Facility (IEDF [IF-657]) and the IRC Physics Laboratory (IF-638). The proposed action is to excavate and grade the asphalt area and smaller areas immediately adjacent to the asphalt that also have inadequate stormwater drainage. After excavation, new base material would be placed on the compacted sub-base, and new asphalt would be installed. The work is anticipated to be complete in the fall of 2017 at an approximate cost of \$150 K.

### SECTION C. Environmental Aspects or Potential Sources of Impact:

#### Air Emissions

There is potential for fugitive dust, and emissions from portable internal combustion engines (e.g., heavy equipment, generators) will occur.

#### Discharging to Surface-, Storm-, or Ground Water

The proposed actions would improve stormwater drainage near IF-638 and IF-657.

#### Disturbing Cultural or Biological Resources

Although unlikely, cultural resources may be encountered in soil underlying the asphalt.

#### Generating and Managing Waste

Project activities will generate industrial waste such as non-hazardous construction waste, asphalt, concrete, scrap metal, etc.

#### Releasing Contaminants

Construction chemicals such as marking paint, fuels, lubricants, adhesives, paints, etc., may be used during the projects. Although not anticipated, spills may occur.

#### Using, Reusing, and Conserving Natural Resources

Industrial materials generated during demolition, such as scrap metal and asphalt, may be reusable or recyclable.

### SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (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 Department of Energy (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 Comprehensive Environmental Response, Compensation, and Liability Act (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 that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

**References:** 10 CFR 1021, Appendix B, B1.33 "Stormwater runoff control".

**Justification:** Activities are consistent with 10 CFR 1021, Appendix B, B1.33, "Design, construction, and operation of control practices to reduce stormwater runoff and maintain natural hydrology. Activities include, but are not limited to, those that reduce impervious surfaces (such as vegetative practices and use of porous pavements), best management practices (such as silt fences, straw wattles, and fiber rolls), and use of green infrastructure or other low impact development practices (such as cisterns and green roofs)."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act)

Yes  No

Approved by Jason Sturm, DOE-ID NEPA Compliance Officer on: 10/16/2017