

Mitigation Action Plan For the Recapitalization of Infrastructure Supporting Naval Spent Nuclear Fuel Handling

Introduction

Title 10 Code of Federal Regulations Section 1021.331 (10 CFR 1021.331), "Mitigation Action Plan," requires the U.S. Department of Energy (DOE) to prepare a Mitigation Action Plan (MAP) that addresses mitigation commitments expressed in the Record of Decision (ROD). The purpose of the MAP is to explain how mitigation measures will be planned and implemented. The U.S. Department of Energy (DOE) Naval Nuclear Propulsion Program (NNPP) issued the ROD on November 15, 2016 for the recapitalization of infrastructure supporting naval spent nuclear fuel handling at the Naval Reactors Facility (NRF) on the Idaho National Laboratory (INL) based on information and analyses contained in the *Final Environmental Impact Statement for the Recapitalization of Infrastructure Supporting Naval Spent Nuclear Fuel Handling at the Idaho National Laboratory* (DOE/EIS-0453-F) issued on September 23, 2016. This MAP addresses the mitigation commitments in the ROD.

Project Background

The selected alternative, the New Facility Alternative, as outlined in the ROD would acquire capital assets to recapitalize naval spent nuclear fuel handling capabilities. The NNPP will recapitalize the infrastructure supporting naval spent nuclear fuel handling at the INL by constructing a new facility in the northeast section of the NRF site (i.e., Location 3/4). This decision includes recapitalization of the naval spent nuclear fuel handling capabilities described in DOE/EIS-0453-F including: the capability to unload M-140 and M-290 shipping containers; temporary wet storage of naval spent nuclear fuel; initial examination of naval spent nuclear fuel; resizing and securing nuclear poison in naval spent nuclear fuel modules; capability to support transfer of naval spent nuclear fuel for more detailed examination at the examination location; loading naval spent nuclear fuel into naval spent nuclear fuel canisters; the capability to support transfer of naval spent nuclear fuel into or out of temporary dry storage; and capability to load waste shipping containers.

All impacts associated with the New Facility Alternative are negligible or small with the exception of the electrical energy consumption impacts which would be moderate in the transition period and the new facility operational period.

Public Involvement

The MAP will be made available for public review at the libraries, reading rooms, and on websites as listed below. Subsequent updates to the MAP and the status of mitigation implementation will be made available for public review on the DOE website as part of the annual NEPA planning summary (<http://energy.gov/nepa/nepa-documents/document-status-schedules/annual-planning-summaries>).

Libraries and Public Reading Rooms

Freedom of Information Act Reading Room
Office of Information Resources (MA-90)
Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585

Idaho Operations Office
Department of Energy
Public Reading Room
2251 N. Boulevard
Idaho Falls, ID 83402

Idaho Falls Public Library
457 W. Broadway
Idaho Falls, ID 83402 Shoshone-Bannock Library

Bannock and Pima Streets
P.O. Box 306
Fort Hall, ID 83203

Eli M. Oboler Library
Idaho State University
850 South 9th Avenue
Pocatello, ID 83209

Twin Falls Public Library
201 Fourth Avenue East
Twin Falls, ID 83301

Latah County
Free Library District
110 S. Jefferson
Moscow, ID 83843

Boise Public Library
715 S. Capitol
Boise, ID 83702

Marshall Public Library
113 South Garfield
Pocatello, ID 83204

The Community Library
415 Spruce Avenue North
Ketchum, ID 83340

Websites

www.ecfrecapitalization.us

<http://energy.gov/nepa/nepa-documents/document-status-schedules/annual-planning-summaries>

<http://energy.gov/nepa/nepa-documents/mitigation-action-plans-map-and-related-documents>

Mitigation Action Plan Implementation

The activities undertaken for the selected alternative, the New Facility Alternative, must comply with applicable federal, state, and local environmental laws, orders, and regulations in addition to the mitigation measures identified in the MAP. For the MAP, such compliance activities are not considered to be mitigation measures but are normal actions subject to DOE oversight. Therefore, these actions are not included in this MAP.

Best management practices (BMPs) identified in the EIS that are part of adopted DOE, INL or NRF plans, contractor stipulations, or listed in standard operating procedures for DOE, INL, and NRF are not considered mitigations for the purposes of this document. However, new and additional BMPs, where credit is taken for reducing an impact from the activities are included in this MAP.

The NNPP will review the final project design and operations to ensure its consistency with the impacts and mitigation measures in the EIS, ROD, and MAP. This MAP may be amended to identify additional mitigation measures needed to minimize any environmental impacts not previously addressed in the EIS or ROD.

Identified Mitigations			
Resource Area	Mitigation	Reporting	Implementing Party
Cultural Resources	Monitor sensitive archaeological resources located in proximity to the three defined direct areas of potential effect for indirect impacts and implement protective measures if warranted	NEPA Planning Summary	Naval Nuclear Propulsion Program
	Conduct cultural resource sensitivity training for personnel to discourage unauthorized artifact collection, off-road vehicle use, and other activities that may impact cultural resources		
	Implement a Stop Work Procedure to guide the assessment and protection of any unanticipated discoveries of cultural materials during construction and operations		
	Provide the Shoshone-Bannock Tribes Heritage Tribal Office the opportunity to monitor key ground-disturbing activities that occur at NRF in support of the recapitalization activities		
Air Quality	Use high-performance generators (Tier-4) that will reduce emissions	NEPA Planning Summary	Naval Nuclear Propulsion Program