

PMC-ND  
(1.08.09.13)

**U.S. DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
NEPA DETERMINATION**



**RECIPIENT:** NREL

**STATE:** CO

**PROJECT TITLE:** NREL-18-022 IBRF Crosswalk Modifications and Other Improvements

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-AC36-08GO28308	NREL-18-022	GO28308

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

**CX, EA, EIS APPENDIX AND NUMBER:**

Description:

**DOE/EA-1968** SITEWIDE ENVIRONMENTAL ASSESSMENT, U.S. DOE NATIONAL RENEWABLE ENERGY  
**(NREL STM)** LABORATORY, SOUTH TABLE MOUNTAIN CAMPUS, GOLDEN, COLORADO

**Rationale for determination:**

The U.S. Department of Energy (DOE) is proposing to address uneven surfaces in the Integrated Biorefinery Research Facility (IBRF) and Thermal Test Facility (TTF) parking areas and entrance roads at the National Renewable Energy Laboratory (NREL) South Table Mountain (STM) campus located in Golden, Colorado.

The proposed project at the STM site would remove and replace sections of asphalt and concrete in the IBRF and TTF parking areas and entrance roads to reduce tripping hazards, water pooling, and ice buildup. The slope of the IBRF entrance road would be modified to allow a more consistent surface for pedestrians to cross the street from the parking lot. The road would be excavated to a depth of approximately 2 feet, and sections of the existing sidewalk, concrete channel, and curb and gutter would be removed and replaced to accommodate the new slope. The proposed project would also include removing and revegetating an existing gravel parking space, installing a new gravel dumpster pad that is approximately 8' x 10', repairing a hole in the storm drain by excavating above the drain and repairing it from the top of the pipe, seal coating remaining asphalt, and striping/painting the asphalt and concrete curbs.

Asphalt in the parking areas would be removed to a depth of approximately 8 inches, and the excavation needed to install the new gravel dumpster pad would be to a depth of approximately 6 inches. Approximately 6,200 square feet of surface asphalt would be removed and replaced, and approximately 400 cubic feet of concrete would be poured.

All work would be performed in areas that have been previously disturbed, and ground disturbing activities would be conducted in accordance with NREL's stormwater management requirements for construction activities. All demolition work occurring adjacent to existing pavement would be saw cut, which may involve the use of a water saw. If a water saw is used, discharge water would be contained or vacuumed up immediately and removed from the site. Project activities would not affect cultural resources, threatened or endangered species, wetlands, floodplains, or prime farmlands and no permits would be required. A migratory bird nesting survey would be completed if project activities occur between March 15 and September 15. If nests or eggs are found, the area would be cordoned off with a proper buffer until nestlings fledge.

Mobile air emissions from construction equipment, such as a rotomiller, skidsteer, trucks, and asphalt or concrete-related installation equipment, would be negligible and short-term. Construction-related noise would consist of a short-term, intermittent increase in ambient noise levels and would follow applicable noise ordinances. Construction

waste would be reused, recycled, or disposed of in accordance with applicable regulations and NREL policy and procedures.

Individuals working on this project could be exposed to physical hazards during the course of this project. Existing corporate health and safety policies and procedures would be followed including employee training, proper protective equipment, engineering controls, and monitoring. Additional policies and procedures would be implemented as necessary if new health and safety risks are identified.

Based on review of the project information and the above analysis, DOE has determined the proposed project would not have a significant individual or cumulative impact to human health and/or the environment. DOE has determined the proposed action is consistent with and bounded by the activities that are analyzed in the Department of Energy's STM Site-Wide Environmental Assessment (DOE/EA-1968) and FONSI.

#### NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If the Recipient intends to make changes to the scope or objective of this project, the Recipient is required to contact the Project Officer, identified in Block 15 of the Assistance Agreement before proceeding. The Recipient must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved. If the Recipient moves forward with activities that are not authorized for Federal funding by the DOE Contracting Officer in advance of a final NEPA decision, the Recipient is doing so at risk of not receiving Federal funding and such costs may not be recognized as allowable cost share.

Insert the following language in the award:

You are required to:

A migratory bird nesting survey will be completed if project activities occur between March 15 and September 15.

Note to Specialist :

NREL

Nicole Serio 10/4/2018

#### SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:



Signed By: Kristin Kerwin

NEPA Compliance Officer

Date: 10/10/2018

#### FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

#### NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

- ☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- ☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

#### BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature:

Field Office Manager

Date: