

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 : STM Parking Structure Stairway Restoration; NREL Tracking No. 14-023

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
	DE-AC36-08GO28308	NREL-14-023	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:

<b>DOE/EA 1440 (NREL STM)</b>	Final Site-Site Wide Environmental Assessment of the National Renewable Energy Laboratory's (NREL) South Table Mountain Complex (February 2003)
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**Rationale for determination:**

The U.S. Department of Energy (DOE) proposes a project to enhance pedestrian safety in the stairways of the aboveground parking garage at the National Renewable Energy Laboratory (NREL) South Table Mountain (STM) campus located in Golden, Colorado. Within the STM campus, the parking garage is located in Campus Development Zone 6 – Camp George West Parcel.

**PROPOSED ACTION**

The proposed action would be to enhance pedestrian safety in the semi-enclosed stairways of the parking garage during inclement weather. The existing surface material becomes slippery during icy winter conditions and during periods of rain. The proposed project would apply a new coating material that is more slip resistant to approximately 3,000 SQFT of surface in the two northern stairs of the parking garage. The proposed project would include the following activities:

1. Provide appropriate pedestrian safety/traffic control measures. The stairways would be cordoned off and closed to pedestrian traffic. The affected areas would then be enclosed a plastic barrier to control dust.
2. Clean and sand the existing concrete surfaces on stair treads and landings.
3. Mechanically roughen the concrete surface to prepare for new coating.
4. Apply new coating material per the manufacturer's specifications

More detail on the proposed project may be found in the NREL Project Management Plan that has been uploaded to the PMC database. The proposed new coating is an epoxy-type material and its Safety Data Sheet has also been uploaded to the PMC database. All products, chemical, and equipment required for this project would be stored in the covered 5th floor of the parking garage during the course of the project.

**PREVIOUS NEPA DETERMINATIONS**

Operation and maintenance of new and modified facilities was included within the scope of the Proposed Action analyzed in the July 2003 NREL STM Site-Wide Environmental Assessment (DOE/EA-1440). Specifically, the Proposed Action of DOE/EA-1440 included preventive and corrective maintenance of existing buildings within Site Development Zone 6. DOE/EA-1440 and its Finding of No Significant Impact (FONSI) are hereby incorporated by reference.

**IMPACTS OF PROPOSED ACTION**

The proposed project would occur within semi-enclosed stairwells of an existing parking garage. No impacts to stormwater, floodplains, wetlands, threatened and endangered species, critical habitats, or historic properties is anticipated.

The project would likely require the utilization of mobile point emission sources, such as trucks, boom or bucket lifts, gasoline-powered tools, etc., but these emissions would be negligible given the size and duration of the construction activity. Application of the new coating material would be conducted in conformance with EPA and State of Colorado VOC air emission regulations.

There would be noise typical of construction equipment during construction. Work would be conducted only during daylight hours. Construction-related noise would consist of a short-term increase in ambient noise levels. Noise impacts would vary with the phase of construction and occur intermittently. Project activities would comply with applicable noise ordinances.

The project would involve the use and handling of an epoxy-type coating. All NREL policies and procedures addressing proper hazardous material handling and disposal practices would be followed. All hazardous materials and waste would be managed in accordance with federal, state, and local environmental regulations. The epoxy containers would be stored on the covered 5th floor of the parking garage during the project and would be kept closed when not in use. Any remaining chemical would be transported to a proper chemical recycling center. All trash generated by the project (such as plastic, wood, empty containers, etc.) would be removed from the site and properly disposed of at the end of the project.

The epoxy being used is a minor eye and respiratory irritant. All chemical handling would happen in or near the stairwells. Proper ventilation would be achieved prior to the start of chemical handling. Existing NREL health and safety policies and procedures would be followed and the required hazard assessments would be completed prior to work beginning.

#### NEPA DETERMINATION

NREL's maintenance activities would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined that these activities are bounded by the environmental impact analysis contained in DOE/EA-1440, and its Finding of No Significant Impact. No further NEPA review is required.

#### NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

National Renewable Energy Laboratory  
NEPA review completed by Robert Smith, 10/2/2014

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

NEPA Compliance Officer Signature: \_\_\_\_\_

Electronically  
Signed By: Lori Gray

NEPA Compliance Officer

Date: 10/2/2014

#### 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: \_\_\_\_\_