

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 Field Testing Laboratory Building Exterior Upgrade, NREL Tracking No. 14-022

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-AC36-08GO28308	NREL-14-022	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 1440 (NREL STM)	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 the restoration of exterior surfaces of the Field Test Laboratory Building (FTLB) at the National Renewable Energy Laboratory (NREL) South Table Mountain (STM) campus located in Golden, Colorado. Within the STM campus, the FTLB is located in Campus Development Zone 4 – Central Campus.

PROPOSED ACTION

The proposed action would be to perform maintenance on the FTLB by repainting the exterior surfaces. All of the areas needing paint would be scraped and feathered sanded. No sandblasting is anticipated, but some power washing may be required on the precast concrete surfaces. Surfaces to be painted would be prepped with an acrylic primer and then painted with either a low- Volatile Organic Compound (VOC) water-based acrylic paint or low-VOC latex-based acrylic paint depending upon the surfacing material. Product Specifications and Safety Data Sheets have been uploaded to the PMC database. Four exterior doors on the southeast corner of the building would also be replaced and all vertical windows on the FTLB would be resealed. All work areas would be accessed by man-lifts. Measures would be taken to prevent spray drift and to protect the ground surface, such as tarps, plastic sheeting, etc.

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 4. DOE/EA-1440 and its Finding of No Significant Impact (FONSI) are hereby incorporated by reference.

IMPACTS OF PROPOSED ACTION

The proposed project would not require any ground disturbance activities; therefore no stormwater quality or erosion impacts are anticipated. There are no floodplains, wetlands, or Waters of the United States in the vicinity of the proposed project area. All washwater from pressure washing activities would be properly managed in accordance with federal, state, and local regulations.

As the proposed project would not require land disturbing activities, no fugitive particulate air emissions are expected. The project would require the utilization of mobile point emission sources, such as trucks, boom or bucket lifts, etc., but these emissions would be negligible given the size and duration of the construction activity. Application of primers and paints would be conducted in conformance with EPA and State of Colorado VOC air emission regulations.

Per the 2010-2011 site-wide wildlife survey, no threatened, endangered, or candidate wildlife species were observed

at STM, nor was habitat for such species identified. Similarly, the vegetation survey during the same time period found no rare plants or habitat that may support federally protected plant species in the area proposed for this project.

Archeological and cultural resources on STM site were assessed in DOE/EA-1440 and its two subsequent Supplemental Environmental Assessments (DOE/EA-1440-S-I and DOE/EA-1440-S-II), including Section 106 consultations with the Colorado State Historic Preservation Officer. The proposed project would not impact known cultural resources at the STM site.

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 acrylic paints and primers applied with sprayers. 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. Worker protection would include proper training, PPE, engineering controls, monitoring and the completion of the Safe Work Permit process. The NREL Hazard Identification and Control process would be implemented covering topical areas such as outdoor work, exposure to chemicals, and fall protection.

NEPA DETERMINATION

NRELs 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: _____