

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 FTLB to Mesa Top Waterline Repair; NREL Tracking No. 15-015

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-AC36-08GO28308	NREL-15-015	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 (NREL STM)	SITEWIDE ENVIRONMENTAL ASSESSMENT, U.S. DOE NATIONAL RENEWABLE ENERGY LABORATORY, SOUTH TABLE MOUNTAIN CAMPUS, GOLDEN, COLORADO
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Rationale for determination:

The U.S. Department of Energy (DOE) proposes the emergency repair of a domestic water supply line between the Field Test Laboratory Building (FTLB) and the mesa top facilities at the National Renewable Energy Laboratory (NREL) South Table Mountain (STM) campus located in Golden, Colorado.

The proposed action would be to locate and correct a leak in the 2-inch copper domestic water supply that runs from the FTLB to the STM mesa top facilities. A noticeable pressure drop in the domestic water service at the mesa top facilities has recently occurred. The pressure drop and the observed ground saturation near the northwest corner of the FTLB indicate that there is a leak in this line, most likely in the vicinity of the FTLB. Proposed activities to occur would include:

- 1) Conduct the required utility locates prior to earth disturbing activities.
- 2) Isolate and shut off the water supply line.
- 3) Provide temporary erosion and sediment control measures, including S-fence and straw wattles, as needed to ensure that sediment laden run-off does not enter the storm water system. Additional erosion and sediment control measures may be added based upon on field conditions.
- 4) Locate the leak in the water supply line by hydro-excavation.
- 5) Once leak is located, conduct additional excavation as necessary to safely access the portion of pipe requiring repair.
- 6) Repair the leak and test the line under full pressure to determine if any additional leaks exist and that the repaired waterline operates satisfactorily.
- 7) Backfill and compact the waterline trench and restore the surfacing with like materials.

A more detailed Project Management Plan, project figure, and photos are uploaded to the PMC database.

As the exact location of the leak in the domestic water supply is unknown, the exact amount of land disturbance required by this proposed project is also unknown. It is currently anticipated that the required excavation would not be larger than 100 feet by 10 feet (1,000 SQFT). Areas to be excavated have been previously disturbed during the construction of the FTLB, installation of underground utilities, and the construction of North Loop Road. All construction and restoration activities would follow NREL's Laboratory Level Procedure 6-1.28: Stormwater Pollution Prevention for Construction Activities: South Table Mountain Site. All water discharges associated with this proposed project would be done in accordance with applicable federal, state, and local regulations.

Any mobile air emission sources from construction equipment, such as the hydro-vac truck, back hoes, support trucks, etc., would be negligible and short-term. Construction-related noise would consist of a short-term, intermittent increase in ambient noise levels and would abide by applicable noise ordinances. A very minimal amount of hazardous materials may be required to fix the pipe and a small quantity of construction debris would be generated. All materials

and waste would be managed accordingly under NREL's waste management program. A nesting bird survey would be completed by NREL's EHS Office before these activities are initiated, per NREL policy. NREL and contractors would follow federal, state, local safety and security regulations.

Per agency consultations conducted during the Site-Wide Environmental Assessment for the NREL South Table Mountain campus (DOE/EA-1968), no cultural resources, threatened or endangered species, wetlands, floodplains, or prime farmlands would be impacted by this proposed project.

The operation and maintenance of infrastructure, including domestic water, was included within the scope of the Proposed Action (Enhancing Site Operations) analyzed in the December 2014 NREL STM Site-Wide Environmental Assessment (DOE/EA-1968). DOE/EA-1968 and its Finding of No Significant Impact (FONSI) are hereby incorporated by reference. DOE has determined that these activities are bounded by the environmental impact analysis contained in DOE/EA-1968, and its FONSI, and 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:

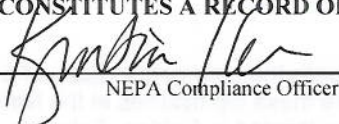
If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing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

Note to Specialist :

NEPA review conducted by Rob Smith on 4/2/2015.
National Renewable Energy Laboratory

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____


NEPA Compliance Officer

Date: _____

4/2/2015

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: _____