

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 Mesa Top Shed Decommissioning; NREL Tracking No. 17-022

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
	DE-AC36-08GO28308	NREL-17-022	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:

**B1.16 Asbestos removal** Removal of asbestos-containing materials from buildings in accordance with applicable requirements (such as 40 CFR part 61, "National Emission Standards for Hazardous Air Pollutants"; 40 CFR part 763, "Asbestos"; 29 CFR part 1910, subpart I, "Personal Protective Equipment"; and 29 CFR part 1926, "Safety and Health Regulations for Construction"; and appropriate state and local requirements, including certification of removal contractors and technicians).

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

**Rationale for determination:**

The U.S. Department of Energy (DOE) proposes to decommission two sheds located on the Mesa Top at the National Renewable Energy Laboratory (NREL) South Table Mountain (STM) campus located in Golden, Colorado.

Building SS-1 is a 12 ft x 6 ft x 6 ft x 7.5 ft commercially made shed that was previously used for battery storage. The wooden shed is not anchored to the ground and is no longer in use. NREL would remove the shed by loading it onto a flatbed truck or dumpster roll off and dispose of it in a sanitary landfill. The shed would not be replaced. The shed was tested for asbestos and all results were negative.

Building 7117 is a 10 ft x 14 ft x 12 ft metal shed that would be removed and replaced with a new structure. The shed is anchored to a concrete slab with anchor bolts, and the floor of the building has asbestos containing floor tiles that are covered with plywood to keep the asbestos encapsulated. Because the square footage of the floor (<130 square feet) is below the trigger level for containment and abatement requirements (160 square feet), no asbestos treatment permit is needed and the shed can be removed with the proper hazardous material placard. To remove the shed, the utilities connected to the building would be disconnected, the anchor bolts cut, and the structure would be lifted with a small crane or large forklift and placed on a flatbed truck to a facility certified to accept asbestos for proper disposal.

Building 7117 contains a honey bee hive between the concrete slab and the metal structural components of the building. Removing the building would disrupt the hive, and if the hive is disrupted from the end of July to the beginning of May the hive may collapse. To ensure the hive's survival, the hive would be re-introduced to a new location from the beginning of May 2018 to early July 2018. A bee removal contractor would be hired at the time the building is removed so the hive can be successfully retrieved before the building is hauled away.

A new shed of approximately the same size would be built on the existing concrete slab. The new shed would be constructed of steel similar to the existing shed with drywall and flooring. No trenching or excavation for utilities is required as the shed would be connected to the existing utility lines. The concrete slab is surrounded on two sides by concrete or asphalt, and the remaining two sides are vegetated. The access and laydown areas would use existing asphalt surfaces to minimize impacts to vegetation from vehicle access or material laydown, but some vegetation disturbance may occur during construction.

DOE Realty completed the required excess property screening process for both structures, and GSA had no objections to their demolition. HUD homeless assistance screening was also completed.

All work would occur on NREL property in areas that have been previously disturbed. Approximately 240 square feet of ground would be disturbed during construction of the new shed. All ground disturbing activities would be conducted in accordance with NREL Lab Level Procedure 6-1.28: Stormwater Pollution Prevention for Construction Activities: South Table Mountain Site. Project activities would not affect cultural resources, threatened or endangered species, wetlands, floodplains, or prime farmlands and no permits would be required.

Individuals working on this project would be exposed to construction hazards typical of this type of work. Existing corporate health and safety policies and procedures would be followed including employee training, proper protective equipment, engineering controls, monitoring, and internal assessments. Additional policies and procedures would be implemented as necessary if new health and safety risks are identified.

Mobile air emissions from construction equipment would be negligible and short-term. Fugitive dust would be controlled in accordance with NREL policies and procedures. Construction-related noise would consist of a short-term, intermittent increase in ambient noise levels and would follow applicable noise ordinances. Construction waste generated during the construction phase of this project would be reused, recycled, or disposed of in accordance with applicable regulations and NREL policy and procedures.

Based on review of the project information and the above analysis, DOE has determined the proposal fits within the class of action and the integral elements of 10 CFR 1021 subpart B outlined in the DOE categorical exclusion selected above and also determined that 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 would be completed if project activities occur between March 15 and September 15. To ensure the honey bee hive's survival, the hive would be re-introduced to a new location from the beginning of May 2018 to early July 2018.

Note to Specialist :

NREL

Prepared by Nicole Serio, September 19, 2017

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

NEPA Compliance Officer Signature:



Casey Strickland

NEPA Compliance Officer

Date:

9/19/2017

**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: \_\_\_\_\_

