

PMC-EF2a

(20402)

**U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION**



RECIPIENT:NREL

STATE: CO

PROJECT TITLE : STM E85 Storage Tank and Fueling Station: NREL Tracking No. 12-019

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-AC36-08GO28308	NREL-12-019	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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Rational for determination:

This proposed project is for the purchase, installation, and operation of an E85 aboveground storage tank and fuel dispenser at the U.S. Department of Energy's (DOE) National Renewable Energy Laboratory's (NREL) South Table Mountain (STM) site in Golden, Colorado.

PROPOSED ACTION

A 1,000-gallon double-walled aboveground storage tank (AST) and fuel dispenser would be installed and operated in the STM Surface Parking Lot, west of the parking garage structure in Site Development Zone 6 – Camp George West Parcel, as denoted on the project location sketch uploaded to the PMC (site location for alt fuel tank.pdf). The tank, currently owned by Hill Petroleum, is UL2085-listed (Protected Aboveground Tanks for Flammable and Combustible Liquids) and is outfitted with all of the proper fittings and equipment to store and dispense E85. The AST is a ConVault AST and the tank specifications are uploaded to the PMC, which includes a six-inch thick concrete exterior with integral secondary containment, thermal stability, vehicle impact protection, and projectile protection. The AST meets NFPA 30, 30A and 31; UFC, BOCA, SBCCI, and International Fire Code fire safety requirements and provides grounding connections in accordance with NFPA 780.

Site preparation would be minimal as the tank would be mounted on the existing concrete pad of a former shuttle stop structure. Electrical and data conduits are readily available and any trenching or ground disturbance would occur on previously disturbed ground currently covered with an impervious surface (concrete or asphalt).

The E85 AST and fuel dispenser would be utilized to fuel flex-fueled government fleet vehicles operated by NREL and DOE. Various regulations and orders, such as Energy Policy Act of 2005, Energy Independence and Security Act of 2007, EO 13423, and EO 13514, requires federal agencies to use alternative fuels in dual-fueled alternative-fuel vehicles unless a waiver is obtained. Currently, the closest E85 fueling station is located at 6301 West 58th Avenue, Arvada, Co, which is an 8.82 mile drive from the STM site. Estimated fuel throughput would be 1,000 gallons a month or 12,000 gallons annually. This would require approximately monthly fuel deliveries from a supplier.

Stormwater flow from the area of the proposed AST is conveyed to storm drain inlet in the southeast of the surface parking, approximately 140 feet from the eastern edge of the concrete pad. Spill control would be ensured by using some form of curb closure, for example, a sealed gate over the curb cut. Additionally, a storm drain seal could be placed over the storm drain and used during storage tank filling for additional protection. Uploaded to the PMC are photographs of the existing curb cut and storm drain.

All applicable federal, state, and local permits and registrations would be obtained. NREL's established environmental, health, and safety protocols would be implemented, a Standard Operating Procedure would be completed, and a

Readiness Verification for the tank and fueling station would be conducted prior to normal operations. Furthermore, this oil source would be added to the STM Spill Prevention, Control, and Countermeasure (SPCC) Plan and proper spill control equipment would be placed near the dispenser. Specific procedures for fuel delivery would be developed and implemented.

PREVIOUS NEPA DETERMINATIONS

The proposed area for this project is one of the areas of the STM campus identified in the NREL Master Plan as developable. The development of this area, within Site Development Zone 6 – Camp George West Parcel, and the construction and operation of alternative fueling stations, were included and assessed in the Proposed Action of the Site-Wide Environmental Assessment of the National Renewable Energy Laboratory's South Table Mountain Complex (DOE/EA-1440) with a Finding of No Significant Impact (FONSI) determined in July 2003. DOE/EA-1440 is hereby incorporated by reference.

IMPACTS OF PROPOSED ACTION

It is not anticipated that this proposed action would impact any sensitive resources, such as wetlands, floodplains, threatened and endangered species, critical habitat, prime farmland, or cultural resources. Since the AST is double-walled with the exterior shell being six inches of concrete, the only potential for releases would be from offloading during fuel deliveries or fueling operations. Proper mechanical, physical, and institutional controls would be implemented to reduce the possibility of this and quickly respond to any potential releases. Filling the tank as well as fueling vehicles would result in a small amount of air emissions. This would be negligible given that E85 is less volatile than regular gasoline and onsite fueling would eliminate vehicle emissions caused by the 17.64 mile roundtrip to the nearest public E85 station.

NEPA DETERMINATION

DOE has determined based upon the information above, there are no extraordinary circumstances presented by this proposed action and the purchase, installation, and operation of an E85 1,000-gallon AST and fuel dispenser for government fleet fueling activities at the NREL STM is bounded by environmental impact analysis contained in DOE/EA-1440 and it's Finding of No Significant Impact.

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 :

EF2a created by Rob Smith on 09/13/2012

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: Electronically Signed By: Lori Gray / Lori Gray Date: 9/13/2012
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager