

AUG 20 2013

Mr. Jack W. Anderson
Interim Laboratory Director
Fermilab
P.O. Box 500
Batavia, IL 60510

Dear Mr. Anderson:

SUBJECT: NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DETERMINATION AT FERMILAB NATIONAL ACCELERATOR LABORATORY (FERMILAB) – LONG BASELINE NEUTRINO EXPERIMENT (LBNE) FUTURE STOCKPILE SITE PREPARATION

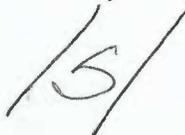
Reference: Letter, from J. Anderson to M. Weis, dated August 7, 2013, Subject: NEPA Environmental Evaluation Notification Form (EENF) for the LBNE Future Stockpile Site Preparation

I have reviewed the Fermilab EENF for the LBNE Future Stockpile Site Preparation. Based on the information provided in the EENF, I have approved the following categorical exclusion (CX):

<u>Project Name</u>	<u>Approved</u>	<u>CX</u>
LBNE Future Stockpile Site Preparation	8/13/2013	B1.15

I am returning a signed copy of the EENF for your records. No further NEPA review is required. This project falls under categorical exclusions provided in 10 CFR 1021, as amended in November 2011.

Sincerely,



Michael J. Weis
Site Manager

Enclosure:
As Stated

cc: M. Michels, w/encl.
A. Kenney, w/o encl.
T. Dykhuis, w/encl.

bc: P. Siebach, CH-STC, w/encl.
M. McKown, CH-OCC, w/o encl.
J. Scott, FSO, w/o encl.
R. Hersemann, FSO, w/encl.

**FERMILAB ENVIRONMENTAL EVALUATION NOTIFICATION FORM
(EENF) for documenting compliance with the National Environmental Policy
Act (NEPA), DOE NEPA Implementing Regulations, and the DOE NEPA
Compliance Program of DOE Order 451.1**

Project/Activity Title: Future Stockpile Site Preparation

ES&H Tracking Number: 01108

I hereby verify, via my signature, the accuracy of information in the area of my contribution for this document and that every effort will be made throughout this action to comply with the commitments made in this document and to pursue cost-effective pollution prevention opportunities. Pollution prevention (source reduction and other practices that eliminate or reduce the creation of pollutants) is recognized as a good business practice which will enhance site operations thereby enabling Fermilab to accomplish its mission, achieve environmental compliance, reduce risks to health and the environment, and prevent or minimize future Department of Energy (DOE) legacy wastes.

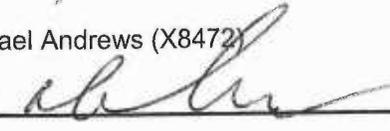
Fermilab Project Owner: Tracy Lundin (X5407)

Signature and Date _____

 8/2/13

Fermilab Project ES&H Coordinator: Michael Andrews (X8472)

Signature and Date _____

 8/5/13

I. Description of the Proposed Action and Need

Purpose and Need:

The purpose of this project is to make sufficient area available for future material stockpiling for the construction of the Long Baseline Neutrino Experiment (LBNE). LBNE needs additional area for both temporary and permanent material stockpile areas.

Proposed Action:

This action would clear and level approximately 20 acres of land located in the wooded strip of land east of Kautz Road and adjacent to Butterfield Road (see Figure 1). An entrance and exit road would be constructed from Kautz Road to the stockpile area to allow access to trucks hauling excavated material from the LBNE excavations. Topsoil would be segregated from other materials and the stockpiles would be managed to enable some materials to be re-used in future construction phases. The stockpiles would be covered by a General Storm Water Permit and Storm Water Pollution Prevention Plan to prevent erosion and sedimentation.

The area indicated in the northern portion of the Main Injector is the site of the materials to be stockpiled (see Figure 1). Material would be transported in trucks west from the MI-10 area around Indian Creek Road to Kautz Road south to the proposed stockpile area.

Alternatives Considered:

Alternative stockpiling areas on site are not as desirable because they are too far from the LBNE excavations, or would create significant interferences. The close proximity and location of the proposed stockpile area would not only save fuel, air emissions (including greenhouse gas emissions), and time, its location minimizes disruption to the rest of the site by containing construction traffic to the Main Injector area. An additional advantage to the proposed site is that it transforms the currently overgrown, un-useful

land along Fermilab's southern border into a convenient and useful stockpile area. This location also allows the incorporation of existing material stockpiles at Site 12, immediately north of the proposed location. The stockpile area would be covered by a Notice of Intent for the NPDES general permit for construction activities (ILR10). Standard erosion control measures would be used to protect against erosion, following the Illinois Urban Manual.

II. Description of the Affected Environment

This project would require the clearing and leveling of approximately 20 acres of land located in the wooded strip of land east of Kautz Road and adjacent to Butterfield Road. Material would be transported from the northern portion of the Main Injector around Indian Creek Road to Kautz Road south to the stockpile area (see Figure 1).

III. Potential Environmental Effects (If the answer to the questions below is "yes", provide comments for each checked item and where clarification is necessary.)

A. Sensitive Resources: Will the proposed action result in changes and/or disturbances to any of the following resources?

- Threatened or endangered species
- Other protected species
- Wetland/Floodplains
- Archaeological or historical resources
- Non-attainment areas

B. Regulated Substances/Activities: Will the proposed action involve any of the following regulated substances or activities?

- Clearing or Excavation
- Demolition or decommissioning
- Asbestos removal
- PCBs
- Chemical use or storage
- Pesticides
- Air emissions
- Liquid effluents
- Underground storage tanks
- Hazardous or other regulated waste (including radioactive or mixed)
- Radioactive exposures or radioactive emissions
- Radioactivation of soil or groundwater

C. Other Relevant Disclosures: Will the proposed action involve any of the following actions/disclosures?

- Threatened violation of ES&H permit requirements
- Siting/construction/major modification of waste recovery or TSD facilities
- Disturbance of pre-existing contamination
- New or modified permits
- Public controversy
- Action/involvement of another federal agency
- Public utilities/services
- Depletion of a non-renewable resource

IV. Comments on checked items in section III.

Archeological or Historical Resources

MARS, Inc. completed a Phase I survey of a possible archeological site within the boundary of the stockpile area, known as PS71, and suggests that the area is not eligible for the National Registry of Historic Places (NRHP). However, if something of significance is discovered during the clearing or excavation process, work would stop and MARS, Inc. would be contacted to investigate.

Clearing or Excavation

This action would clear and level approximately 20 acres of land located in the wooded strip of land east of Kautz Road and adjacent to Butterfield Road. Excavation for an entrance and exit road would be required from Kautz Road to the stockpile area to allow access to trucks hauling excavated material from the LBNE excavations. The stockpiles would be covered by a General Storm Water Permit and Storm Water Pollution Prevention Plan to prevent erosion and sedimentation.

Air Emissions

There would be typical internal combustion engine emissions from construction vehicles during the clearing and excavation activities, but these are mobile sources exempt from air permitting and reporting.

New or Modified Permits

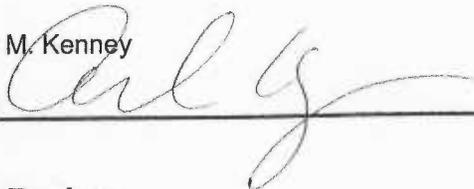
This project would require permitting under the general permit for storm water.

V. NEPA Recommendation

Fermilab staff have reviewed this proposed action and concluded that the appropriate level of NEPA determination is a Categorical Exclusion. The conclusion is based on the proposed action meeting the description found in DOE's NEPA Implementation Procedures, 10 CFR 1021, Subpart D, Appendix B1.15 which states, "Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities, such as activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.4, B6.5, B6.6, and B6.10 of this appendix."

Fermilab NEPA Program Manager: Amber M. Kenney

Signature and Date

 8/2/13

VI. DOE/FSO NEPA Coordinator Review

Concurrence with the recommendation for determination:

Fermi Site Office (FSO) Manager: Michael J. Weis

Signature and Date

 8/20/2013

FSO NEPA Coordinator: Rick Hersemann

Signature and Date

 8/13/13

VII. Figures

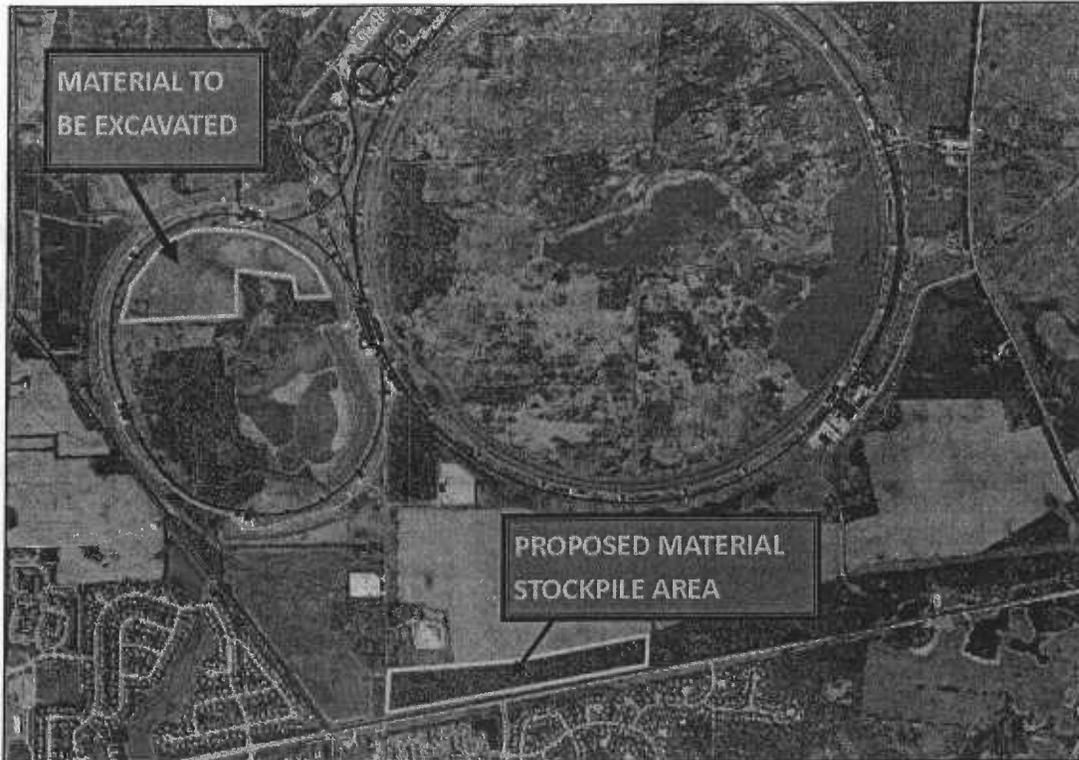


Figure 1 – Marked up aerial photo showing areas of interest outlined in yellow

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