



Department of Energy

Fermi Site Office
Post Office Box 2000
Batavia, Illinois 60510

November 1, 2017

Ms. Martha E. Michels
Chief Safety Officer
Fermilab
P.O. Box 500
Batavia, IL 60510

Dear Ms. Michels:

SUBJECT: NATIONAL ENVIRONMENTAL POLICY ACT DETERMINATION AT FERMI
NATIONAL ACCELERATOR LABORATORY – DEMOLITION OF HORSE BARN
(SITE 56) STRUCTURES

Reference: Letter, from M. Michels to R. Hersemann, dated October 30, 2017, Subject:
National Environmental Policy Act Environmental Evaluation Notification Form for
the Demolition of the Horse Barn (Site 56) Structures

The Fermi Site Office (FSO) has reviewed the National Environmental Policy Act (NEPA) Environmental Evaluation Notification Form (EENF) for Demolition of the Horse Barn (Site 56) Structures. Based on the information provided in the EENF, the following categorical exclusion (CX) is approved:

<u>Project Name</u>	<u>Approved</u>	<u>CX</u>
Demolition of Horse Barn (Site 56) Structures	10/31/2017	B1.16, B1.23

Enclosed is 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: N. Lockyer, w/o encl.
J. Lykken, w/o encl.
T. Meyer, w/o encl.
B. Iverson, w/o encl.
T. Dykhuis, 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 451.1B**

Project/Activity Title: Demolition of the Horse Barn (Site 56) Structures
ES&H Tracking Number: 01142

I hereby verify, via my signature, the accuracy of information in the area of my contribution for this document and that every effort would 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 would 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 Action Owner: Jonathan Hunt (X4312)

Signature and Date

 10/26/17

I. Description of the Proposed Action and Need

Purpose and Need:

The purpose of the proposed action/project is to remove idle/vacant barns and sheds at Site 56 to avoid safety concerns and subsequent liability as well as the costs associated with continued maintenance and utility services.

Proposed Action:

This proposed action would include the removal of the idle/vacant structures at Site 56.

The structures would be removed from the Fermilab site and demolished materials would be separated and recycled where possible. The concrete slabs around and under the existing buildings would be removed. There would also be a small amount of excavation for cutting and capping existing utilities. The ground would be returned to its original condition and seeded.

Alternatives Considered:

The 'no action' alternative would not meet the purpose and need. It would also allow non-functional and/or vacant structures to stand, wasting resources on maintenance and utility services. These structures are unsuitable for alternate uses due to their deteriorated condition.

II. Description of the Affected Environment

This proposed action would completely remove the above-mentioned structures. Any excavated areas would be backfilled to match existing grade, leveled, and seeded. No wetland permit or floodplain mitigation would be necessary. Any existing utility services such as communications, power, gas, sanitary and domestic water would be disconnected and properly terminated. Additional environmental effects are included in Section III.

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: Would 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: Would 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: Would 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.

Archaeological or historical resources

A Phase II Archaeological Assessment (Phase II Archaeological Testing of the Taylor S. & H. Warne Farm (11Du578) within the Fermi National Accelerator Laboratory, Winfield Township, DuPage County Illinois) was conducted by Midwest Archaeological Research Services for Site 56 and it was concluded that the site is not eligible for inclusion on the National Register of Historic Places. A letter was then sent by the Department of Energy, Fermi Site Office to the Illinois Historic Preservation Agency on 8/17/2017 and the Agency responded on 9/19/2017. The response stated that the IHPA had "no objection to the undertaking proceeding as planned."

Clearing and Excavation

The concrete slabs around and under the existing buildings would be removed. There would also be a small amount of excavation for cutting and capping existing utilities. All excavation would be backfilled, leveled, and seeded.

Demolition or decommissioning

This proposed action would completely remove the designated structures.

Hazardous or other regulated waste

The work would consist primarily of the demolition and removal of building materials and debris. Since the structures were coated with lead based paint, the debris in which the paint is still adhered to the substrate could be disposed of as general refuse. However, if the concrete or soil is mixed with paint chips then a sample would need to be collected and analyzed according to the Toxic Characteristic Leaching Procedure method to determine whether it was hazardous for lead (>5 ppm). If it was hazardous for lead then the

mixture would need to be disposed of as a hazardous waste.

Public utilities/services

The demolitions would require shut-offs for local power, communication, and domestic water services for removal and capping. The domestic water is served from the Site 56 well house.

V. NEPA Recommendation

Fermilab staff has evaluated the proposed action and believe a Categorical Exclusion is appropriate. It is believed that the proposed action meets the description found in DOE's NEPA Implementation Procedures, 10 CFR 1021, Subpart D, Appendix B1.23 as follows.

B1.23 Demolition and Disposal of Buildings

Demolition and subsequent disposal of buildings, equipment, and support structures (including, but not limited to, smoke stacks and parking lot surfaces), provided that there would be no potential for release of substances at a level, or in a form, that could pose a threat to public health or the environment.

Fermilab NEPA Program Manager: Teri L. Dykhuis

Signature and Date

Teri L. Dykhuis 10/27/2017

VI. DOE/Fermi Site Office (FSO) NEPA Review

Based upon my review of information conveyed to me and in my possession concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1A), I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

FSO NEPA Compliance Officer: Rick Hersemann

Signature and Date

Rick Hersemann 10/31/2017

VII. Appendix – Diagrams

Location of Demolition sites are found in diagram on the following page.

Site 56 Structures

