



Department of Energy

Fermi Area Office
Post Office Box 2000
Batavia, Illinois 60510

JUN 07 2013

Mr. Jack Anderson
Chief Operating Officer
Fermilab
P.O. Box 500
Batavia, IL 60510

Dear Mr. Anderson:

SUBJECT: NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DETERMINATION AT FERMILAB NATIONAL ACCELERATOR LABORATORY (FERMILAB) – VARIOUS DEMOLITION JOBS 2013

Reference: Memorandum, from J. Anderson to M. Weis, dated May 28, 2013, Subject: National Environmental Policy Act (NEPA) Environmental Evaluation Notification Form (EENF) for Various Demolitions 2013

I have reviewed the Fermilab EENF for the Various Demolition Jobs in 2013 that include 37-39 Shabbona, 31-33 Blackhawk, the Village Water Tower, Trailer 159, and the Site 50 T&M Barn and Building A. 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>
Various Demolition Jobs 2013	6/07/2013	B1.23

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

Sincerely,

Michael J. Weis
Site Manager

Enclosure:
As Stated

cc: P. Oddone, w/o encl.
Y. - K. Kim, w/o encl.
M. Michels, w/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 451.1**

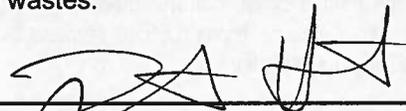
Project/Activity Title: Various Demolition Jobs 2013

ES&H Tracking Number: 01105

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: Jonathan Hunt (X4312)

Signature and Date _____

 5/23/13

Fermilab ES&H Officer: Rod Walton (X2565)

Signature and Date _____

 5/23/13

I. Description of the Proposed Action and Need

Purpose and Need:

The purpose of the proposed demolition of 37 Shabbona, 37a Shabbona, 39 Shabbona, 31 Blackhawk, 31a Blackhawk, 33 Blackhawk, the Village Water Tower, Trailer 159 and the Site 50 T&M Barn and Building A is to remove idle or vacant buildings/structures which no longer serve useful functions. The demolitions are needed to eliminate the costs associated with maintenance and operation of each facility.

Proposed Action:

37-39 Shabbona (located in the northeast corner of the Village), 31-33 Blackhawk (located on the east side of the Village near Dusaf Pond), the Village Water Tower (located behind 31 Sauk Boulevard), Trailer 159 (located behind Office Building 327 at CDF), and the Site 50 T&M Barn and Building A (located on Batavia Road near the corner of C Road East) would all be demolished and, with the exception of Trailer 159, all site elevations would be restored with topsoil.

Alternatives Considered:

The only alternative would be "no action," i.e. allowing the structures to remain. The no action alternative would not accomplish the purpose and need as stated above.

II. Description of the Affected Environment

The facilities vary in size, but in aggregate occupy less than four acres of land. It may be necessary to request coverage under the Illinois general storm water permit for construction sites if areas are greater than one acre.

37-39 Shabbona – also known as the Material Development Lab, are three single story buildings connected together, and contain 5,360 gross square feet. The buildings are connected to Village utilities, and an overhead power line runs behind the structure. There are no radiological issues in the building and no chemical issues with the exception of potential asbestos containing material. See “asbestos removal” below.

31-33 Blackhawk are three single story buildings connected together, and contain 3,834 gross square feet. The buildings are connected to Village utilities, and an overhead power line runs behind the structure. There are no radiological issues in the buildings and no chemical issues with the exception of potential asbestos containing material. See “asbestos removal” below.

The Village Water Tower is a 1200 square foot water tower that is no longer in use. Utilities are present nearby. There are no radiological issues in the building and no chemical issues with the exception of potential asbestos containing material. See “asbestos removal” below.

Trailer 159 is an individual portakamp of less than 1,000 square feet that sits between the CDF Office Building 327 and the Tevatron berm. It is connected to gas, water, communication and power utilities. The demolition for this trailer does not include any excavation to remove the concrete foundation. If excavation becomes necessary, then further review is required because excavation in the area is restricted due to radiation shielding.

The Site 50 T&M Barn and Building A are two separate, but neighboring buildings. The T&M Barn is 2,952 square feet and Building A is only 367 square feet. Although utilities run nearby, there are no utility connections to either building.

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

37-39 Shabbona, 31 and 33 Blackhawk, Site 50 Barn and the Village Water tank were all constructed more than fifty years ago and are subject to archeological assessment. These structures have had a preliminary evaluation by the Fermilab archeological consultant and are not believed to be qualified for inclusion in the Register of Historic Properties. Prior to demolition a formal request would be sent from DOE to the Illinois Historic Preservation Office to obtain the official determination. Work would only proceed if the determination concurs with the archeological assessment.

Clearing or Excavation

Clearing/excavation would entail what is necessary to demolish, move and load all demolition materials. At the conclusion of the demolitions, the sites would be restored so that the final grade would match the surrounding area. The only exception to this is Trailer 159. The concrete foundation that the trailer sits on would be left in place.

Demolition

Some dust would likely be generated during the demolitions, but it should not be hazardous or toxic. Asbestos testing and, if necessary, mitigation would be done prior to any demolition work. All debris would be disposed of by the subcontractor to a recycling vendor.

Asbestos Removal

All of the sites would be checked, tested and if necessary, mitigated of asbestos prior to any demolition work. A licensed asbestos mitigation contractor would be hired to remove all asbestos and asbestos containing materials and dispose according to regulation.

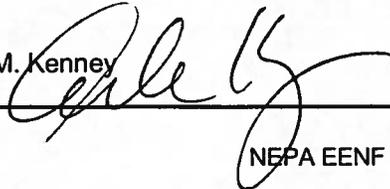
Hazardous or Other Regulated Waste

The structures may contain small amounts of regulated waste, e.g. lead-based paint, asbestos. Subcontractors would be required to conduct assessments prior to demolition work. If regulated wastes are present, the subcontractor would be required to coordinate with Fermilab to ensure proper disposal.

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 B1.23 – Demolition and disposal of buildings which states, "Demolition and subsequent disposal of buildings, equipment, and support structures (including, but not limited to, smoke stacks and parking lot surfaces), provided that there will 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: Amber M. Kenney
Signature and Date

 5/23/13

VI. DOE/FSO NEPA Coordinator Review

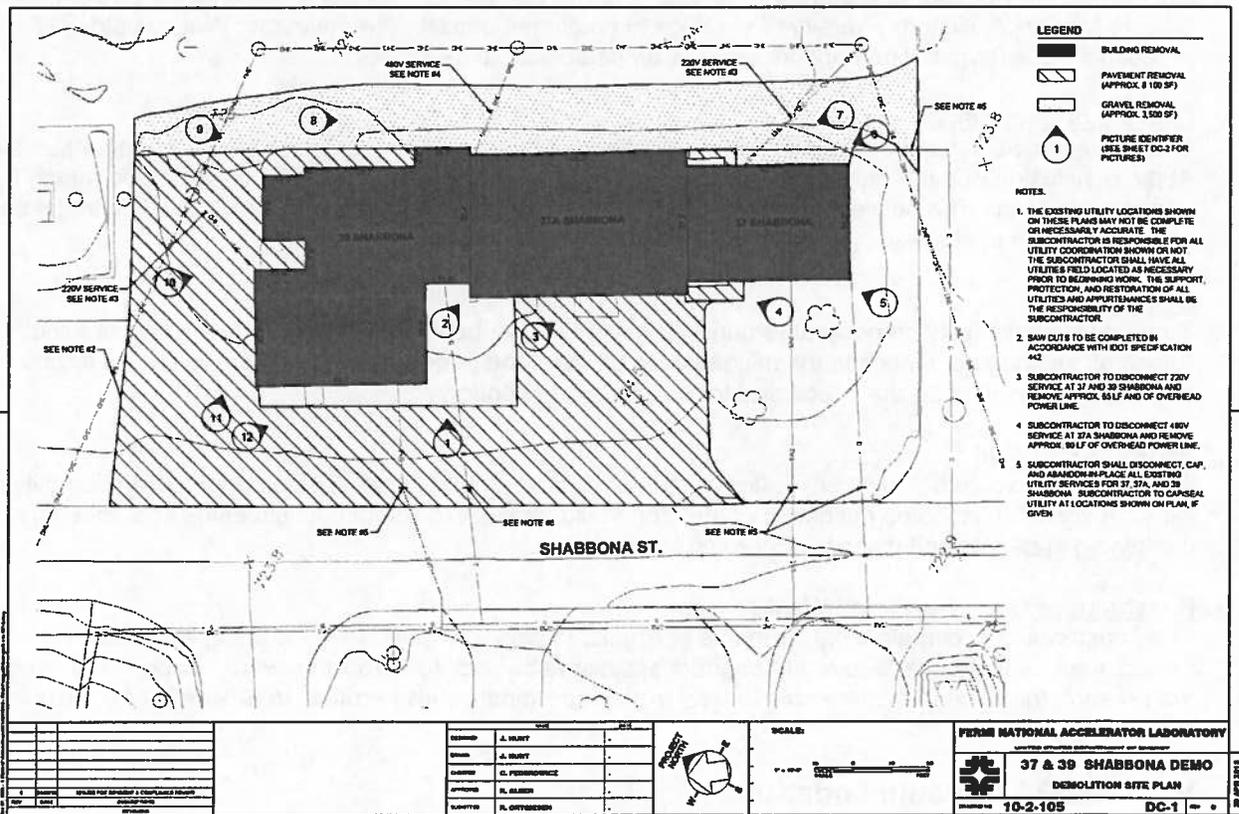
Concurrence with the recommendation for determination:

Fermi Site Office (FSO) Manager: Michael J. Weis
Signature and Date *Michael J. Weis* 6/7/13

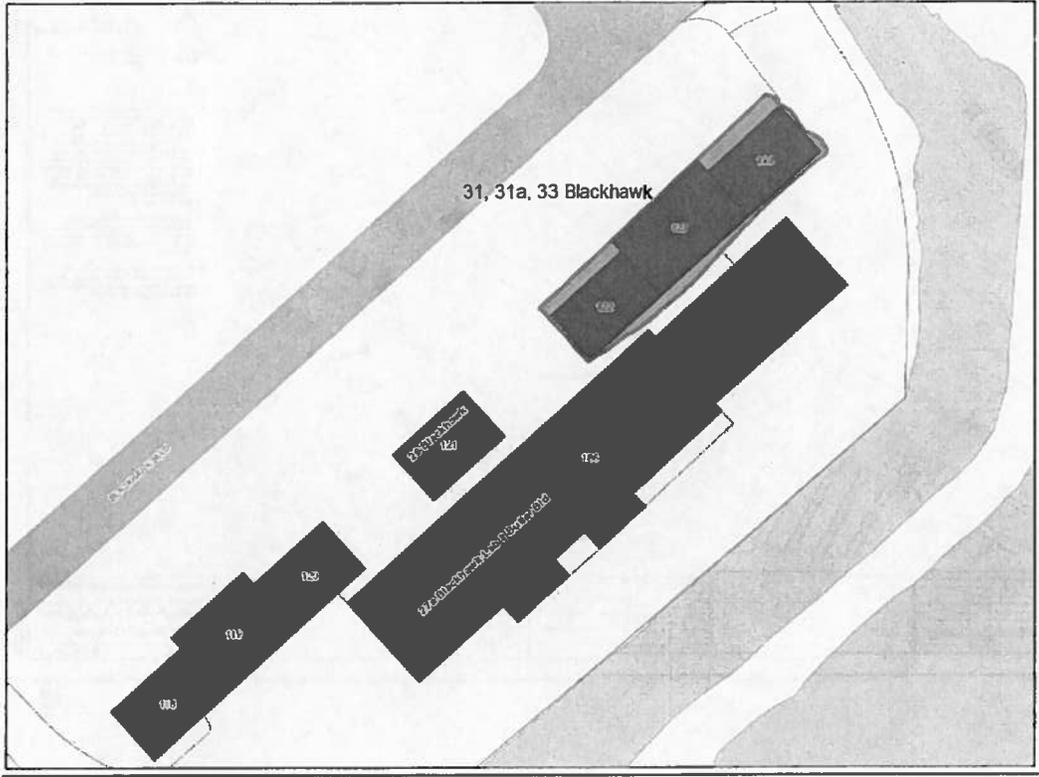
FSO NEPA Coordinator: Rick Hersemann
Signature and Date *Rick Hersemann* 6/7/13

Appendix A

37-39 Shabbona Demolition



31-33 Blackhawk Demolition



Village Water Tower Demolition

