

APR 23 2015

Ms. Martha E. Michels
Assistant Director for ESH&Q
Fermilab
P.O. Box 500
Batavia, IL 60510

Dear Ms. Michels:

**SUBJECT: NATIONAL ENVIRONMENTAL POLICY ACT DETERMINATION AT FERMI
NATIONAL ACCELERATOR LABORATORY – MAIN RING SERVICE
BUILDINGS E2 AND E3 DEMOLITION**

Reference: Letter, from M. Michels to R. Hersemann, dated April 21, 2015, Subject: National Environmental Policy Act Environmental Evaluation Notification Form for the Main Ring Service Buildings E2 and E3 Demolition

The Fermi Site Office (FSO) has reviewed the National Environmental Policy Act (NEPA) Environmental Evaluation Notification Form (EENF) for the Main Ring Service Buildings E2 and E3 Demolition. 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>
Main Ring Service Buildings E2 and E3 Demolition	4/23/2015	B1.16, B1.17, 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.
A. Kenney, w/o encl.
T. Dykhuis, w/encl.

bc: J. Scott, w/o encl.
R. Hersemann, 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: Main Ring Service Buildings E2 and E3 Demolition
ES&H Tracking Number: 01132

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 _____

Fermilab ES&H Officer: Kate Pripusich-Sienkiewicz (X4513)

Signature and Date _____

I. Description of the Proposed Action and Need

Purpose and Need:

The purpose of the proposed action/project is to remove the Main Ring Service Buildings E2 and E3. Due to the fact that the Main Ring is no longer operating, this would remove obsolete equipment and infrastructure; this is needed to eliminate the cost of maintaining, heating, cooling, and powering idle infrastructure.

Proposed Action:

This proposed action would completely remove the Main Ring Service Buildings E2 and E3 down to a depth of 18 inches below grade. All that would be left is the exit stairwell and door from the underground tunnel, and some exterior electrical equipment like transformers. Sump pump discharges from the underground tunnel and power would be reconfigured to keep tunnel infrastructure operating.

The project would disturb approximately 14,000 square feet (0.4 acres) total; therefore, a storm water pollution prevention plan would not be required.

Alternatives Considered:

The only alternative is to leave the buildings and equipment as is but this 'no action' alternative would not meet the purpose and need.

II. Description of the Affected Environment

This proposed action would completely remove the Main Ring Service Buildings E2 and E3 down to a depth of 18 inches below grade. Roughly 300 cubic yards of topsoil would be spread on the area during site restoration. 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.

Demolition or decommissioning

This proposed action would completely remove the Main Ring Service Buildings E2 and E3 down to a depth of 18 inches below grade.

Asbestos Removal

It is possible that asbestos could be present so a testing company would be contracted to provide sampling results prior to bid solicitation.

PCBs

The action involves removing and replacing an existing transformer. Because it is unsure whether or not PCBs or PCB-containing equipment is a concern, testing would take place.

Air Emissions

Refrigerants would be removed from existing side wall air conditioning prior to demolition. A certified technician would be used.

Hazardous or other regulated waste

To the extent possible, waste would be recycled. A determination would be made, prior to demolition, by Radiation Safety and the ESH&Q personnel on whether or not material from these buildings are recyclable. It is possible that asbestos and lead could be present inside the buildings. A testing company would be contracted to provide sampling results prior to bid solicitation.

Radioactivation of soil or groundwater

A survey would be performed in order to determine the presence of radioactive materials; this would also help to determine if the metals would be recyclable.

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 B1.16, B1.17 and B1.23 as follows.

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).

B1.17 Polychlorinated Biphenyl Removal

Removal of polychlorinated biphenyl (PCB)-containing items (including, but not limited to, transformers and capacitors), PCB-containing oils flushed from transformers, PCB-flushing solutions, and PCB-containing spill materials from buildings or other aboveground locations in accordance with applicable requirements (such as 40 CFR part 761).

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 Dykhuis 4/21/15

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.

Fermi Site Office (FSO) NEPA Compliance Officer: Rick Hersemann
Signature and Date

Rick Hersemann 4/23/2015

VII. Appendix – Diagrams

Location of Proposed Main Ring Service Buildings E2 and E3 Demolition

