

APR - 7 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 – INDUSTRIAL COMPLEX  
BUILDINGS ADDITION

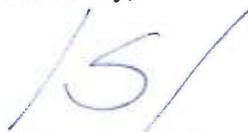
Reference: Letter, from M. Michels to R. Hersemann, dated March 31, 2015, Subject:  
National Environmental Policy Act Environmental Evaluation Notification Form for  
the Industrial Complex Buildings Addition

The Fermi Site Office (FSO) has reviewed the National Environmental Policy Act (NEPA)  
Environmental Evaluation Notification Form (EENF) for the Industrial Complex Buildings  
Addition. 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>
Industrial Complex Buildings Addition	4/2/2015	B1.15

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. (orig)

**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:** Addition to Industrial Complex buildings  
**ES&H Tracking Number:** 01130

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:** Romesh Sood (X4071)

**Signature and Date** \_\_\_\_\_

 3/30/15

**Fermilab ES&H Officer:** Bridget Scerini (X3382)

**Signature and Date** \_\_\_\_\_

 3/30/2015

### **I. Description of the Proposed Action and Need**

#### **Purpose and Need:**

The purpose of the proposed action/project is to build a high-bay addition to the existing Industrial Complex buildings. The flexible high-bay space that this facility would provide would meet the need for space capable of housing large component assembly, which is in growing demand.

#### **Proposed Action:**

This proposed action would construct a new 15,000 square feet high-bay addition to the Industrial Complex Building (ICB) with a connection to Industrial building 3 and ICB in place of the current office trailers located in the north parking lot of the Industrial Park Complex. The high-bay addition would be used for large component assembly.

#### **Alternatives Considered:**

In the Master Plan, the ICB-Addition was shown as a long linear building situated perpendicular to the existing structure. The configuration was reevaluated and it was determined that it would not be the most efficient use of space and limit future expansion. The area adjacent to ICB and IB3 was studied thoroughly and it was concluded that the proposed location and building footprint would respond well to existing topography and drainage patterns.

The 'no action' alternative would not meet the purpose and need.

### **II. Description of the Affected Environment**

The action would require approximately 1400 cubic feet of fill to meet the existing elevation of the ICB high-bay assembly area. The existing domestic water lines at the site would be removed and reworked with new domestic water lines. Addition 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.

##### Clearing and/or Excavation

Approximately 1400 cubic yards of topsoil would be excavated to allow for installation of the building foundation, which includes 22 4-inch drilled caissons to support building columns. The topsoil would be stockpiled near the construction site and any extra soils would be stockpiled on-site. The spoils would be sent to the Site 52 Stockpile Area where the stockpile would be restored, regarded, and re-establish

##### 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.

##### Hazardous or other regulated waste

Previously storage of waste took place at the northwest corner of IB3 where there is a 20 yard dumpster, and hopper for metal recycling and a Satellite Accumulation Area tub (large gray plastic box like containers for storing regulated waste prior to pick up by the ESHQ Hazard Technology Team). Also, in the past, in the center of the parking lot behind the ICB, a semi-truck lost hydraulic fluid. The clean-up was managed by the ESHQ Waste Technology Team; a stain remains on the asphalt, however there was no soil penetration.

## 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 B1.15 as follows.

### B1.15 Support Buildings

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: Teri L. Dykhuis

Signature and Date

Teri L. Dykhuis 3/31/2015

## 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 4/2/2015

**VII. Appendix – Diagrams**  
Location of Proposed ICB Addition

