**Department of Energy**
Fermi Site Office
Post Office Box 2000
Batavia, Illinois 60510

JUN 23 2010

Dr. Bruce L Chrisman
Chief Operating Officer
Fermilab
P.O. Box 500
Batavia, IL 60510

Dear Dr. Chrisman:

SUBJECT: NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DETERMINATION AT FERMI NATIONAL ACCELERATOR LABORATORY (FERMILAB) – INDUSTRIAL AREA SITE UPGRADE PROJECT

Reference: Letter, B. Chrisman to M. Bollinger, dated June 23, 2010, Subject: National Environmental Policy Act (NEPA) Environmental Evaluation Notification Form (EENF) for the Industrial Area Site Upgrade Project

I have reviewed the Fermilab EENF for the Industrial Area Site Upgrade Project. Based on the information provided in the EENF, I have approved the following categorical exclusion (CX):

| Project Name | Approved | CX(s) |
|---|---|---|
| Industrial Area Site Upgrade Project | 6/23/2010 | B1.15 |

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 1997.

Sincerely,

Mark E. Bollinger
Acting Site Manager

Enclosure:
As Stated

cc: P. Oddone, w/o encl.
Y.-K. Kim, w/o encl.
N. Grossman, w/encl.
T. Dykhuis, w/encl.

# FERMILAB ENVIRONMENTAL EVALUATION NOTIFICATION FORM

**Project/Activity Title:** Industrial Area Site Upgrade
**ES&H Tracking Number:** 01085
**Funding Source:** GPP
**Fermilab Environmental Officer (submitted PIF):** Rod Walton (X2565)
**Fermilab Project Engineer:** Rhonda Merchut (X4599)
**Fermilab Project Lead:** Robert Kephart (X3135)

I hereby certify via my signature that every effort would be made throughout this project 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 DOE legacy wastes.

**Fermilab Project Lead: Robert Kephart**

Signature

Date 6/23/10

**Fermilab NEPA Reviewer: Teri L. Dykhuis**

Signature Teri L. Dykhuis

Date 6/23/10

## I. Description of the Proposed Action and Need

Purpose and Need:
With the shutdown of the Tevatron expected at the end of 2011, portions of the Fermilab Industrial Area are being evaluated for repurposing and would need to undergo several significant improvements. The utilities in this area are at the end of their functional life and need to be replaced and re-aligned. Additionally, training and conference centers are being considered for this area (not part of this work) which would necessitate additional parking areas.

Proposed Action:
Utilities (storm water, Industrial Cooling Water, Domestic Water Supply, sanitary, and communications) that are currently under the Collider Detector Facility (CDF) parking lot to the west of the CDF building would be replaced in a new alignment adjacent to Road D. A new parking area would be constructed in an upland area between the Central Helium Liquefier (CHL) facility and Industrial Building 1 (IB1) - see attached aerial. The project is anticipated to begin in January of 2011 and would take approximately 4 months to complete.

Since the utilities in the area are at the end of their functional life, no alternative to replacing them is viable. The alternative to re-alignment would be to replace the utilities in their current location; however, that alternative would not alter potential environmental impacts. Furthermore, the proposed new location for utilities, adjacent to the existing road, is advantageous for future planning and maintenance. Alternatives for the parking lot include upgrades to existing parking, alternative locations or no action. Since parking in the area is already over capacity and alternative locations would have analogous environmental impacts, the proposed location is the best feasible alternative. The 'no action' alternative would not achieve the purpose and need.

## II. Description of the Affected Environment

The utilities work would replace approximately 365 feet (each) of various utilities, resulting in a total project area of approximately 1 acre and the proposed parking lot project area would be approximately 1.6 acres. Therefore, the extent of the entire project area would be approximately 2.6 acres. Approximately 5000 square yards of pavement in the CDF parking area would be milled and recycled and approximately 350 cubic yards of cleared and grubbed material would be hauled away to landfills. Approximately 1000 cubic yards of clean material would be excavated, stockpiled and re-used for the parking lot portion of this work. The project is anticipated to begin in January of 2011 and would take approximately 4 months to complete.

## III. Potential Environmental Effects (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

- ☐ 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. 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

applicable requirements in DOE's NEPA Implementation Procedures, 10 CFR 1021, Subpart D, Appendix B1.15 which states: "Siting, construction, (or modification), and operation of support structures (including but not limited to, trailers and prefabricated 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 those for office purposes: parking; cafeteria services; education and training; visitor reception; computer and data processing services; employee health services or recreation activities; routing maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (including security posts); dire protection; and similar support purposes, but excluding facilities for waste storage activities; except as provided in other parts of this appendix."

## V. DOE/CH-FAO NEPA Coordinator Review

Concurrence with the recommendation for determination:

**NEPA Coordinator Reviewer, U.S. DOE FSO: Rick Hersemann**

**Signature** Rick Hersemann

**Date** 6/23/10

**Acting Fermi Site Office Manager: Mark Bollinger**

**Signature** [illegible]

**Date** 6/23/10

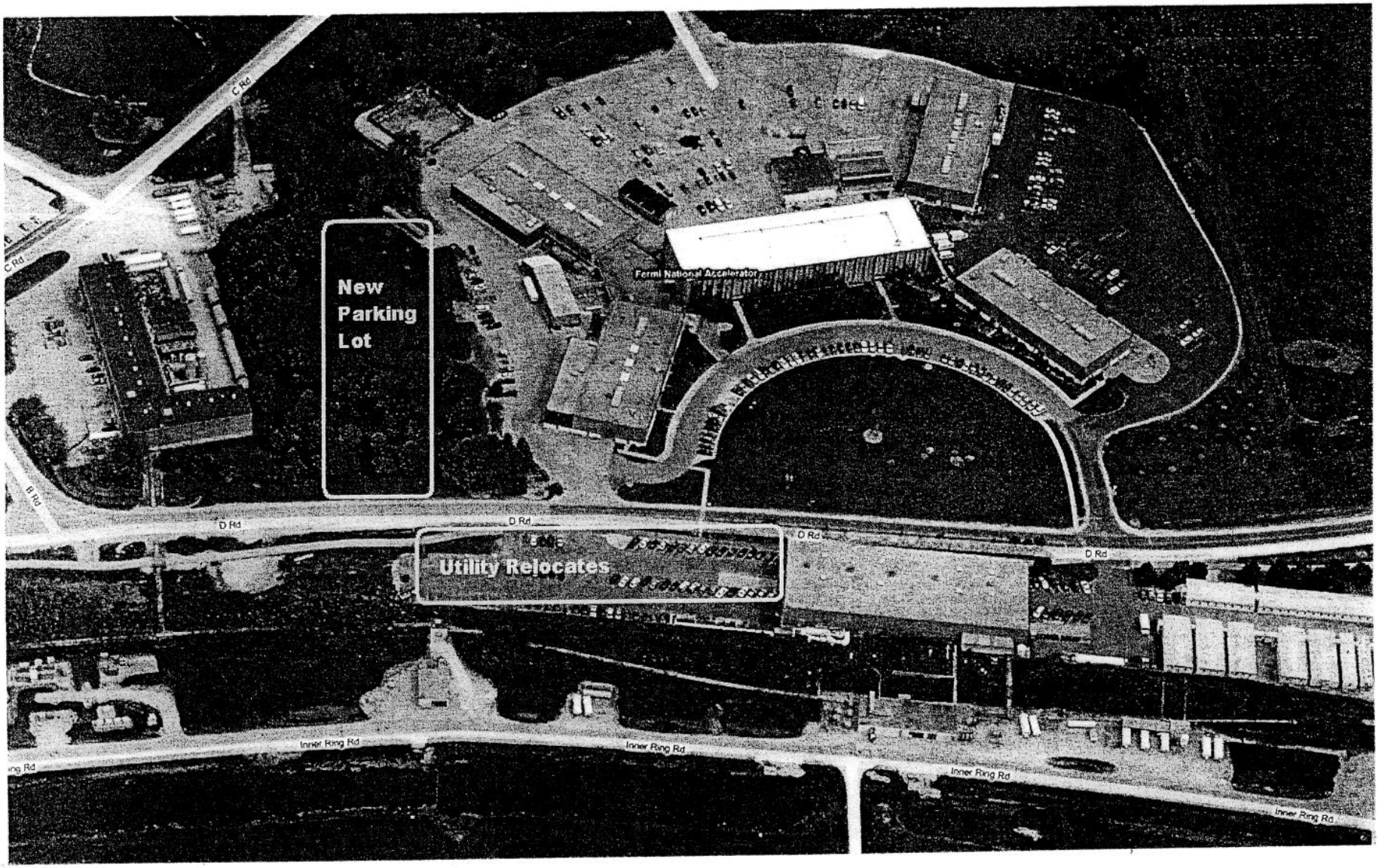
## VI. Comments on checked items in section III.

**Clearing or Excavation**
Excavation details are included above.

**Demolition or Decommissioning**
Construction debris would be disposed of offsite by a recycling vendor and soils unsuitable for re-use would be removed from the site to landfills. Milled asphalt paving would be recycled by the paving contractor.

**Liquid Effluents**
The total area of excavation would be approximately 2 acres and therefore a Notice of Intent would be completed and filed with the Illinois Environmental Protection Agency for coverage under the National Pollutant Discharge Elimination System General Permit for Construction Activities. As a condition of this permit, a Storm Water Pollution Prevention Plan would be prepared and maintained for the project. Bullrush Pond, to the west of "C" Road, would continue to receive surface water run-off.

Sanitary sewer portions of the relocated utility work would remain tied into the existing system and the current discharge would be maintained.


New
Parking
Lot
Fermi National Accelerator
Utility Relocates
C Rd
B Rd
D Rd
Inner Ring Rd