



Department of Energy

Fermi Area Office
Post Office Box 2000
Batavia, Illinois 60510

RECEIVED

JAN 25 2002

Environment,
Safety & Health Section

JAN 23 2002

Mr. Gerald Brown, Associate
Director for Operations Support
Fermilab
P.O. Box 500
Batavia, IL 60510

Dear Mr. Brown:

SUBJECT: NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DETERMINATION AT
FERMI NATIONAL ACCELERATOR LABORATORY - "TORNADO SHELTERS
AT CDF AND D-ZERO OFFICE BUILDINGS" PROJECT

Reference: Letter, same subject, G. Brown to J. Monhart, dated 01/15/02.

I have reviewed the Fermilab Environmental Evaluation Notification Form (EENF) for the subject proposed project transmitted by your referenced letter. Based on the information provided in the EENF, I have approved the following project as a categorical exclusion (CX):

<u>Project Name</u>	<u>Approved</u>	<u>CX (s)</u>
Tornado Shelters at CDF and D-Zero Office Buildings	01/23/2002	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(s) provided in 10 CFR 1021, as amended in 1996.

Sincerely,

Jane L. Monhart
Area Manager

Enclosure:
Signed EENF

- cc: M. Witherell, w/o encl.
- K. Stanfield, w/o encl.
- B. Chrisman, w/o encl.
- C. Trimby, w/o encl.
- L. Beverly, PPD, w/o encl.
- B. Griffing, ESHS, w/encl.
- T. Dykhuis, ESHS, w/o encl.

SCANNED Sewer
Posted on the Web
Date 9-25-02

File: EE

FERMILAB ENVIRONMENTAL EVALUATION NOTIFICATION FORM

Project/Activity Title Tornado Shelters at CDF and D-Zero Office Buildings.
ES&H Tracking Number 01017 **Funding Source** R&R Funds
Fermilab Project Manager Leon Beverly

Signature Leon Beverly
Date 1-10-02

Fermilab NEPA Reviewer Teri Dykhuis

Signature Teri Dykhuis
Date 01/14/02

I. Description of the Proposed Action

This proposed project would provide a new tornado shelter for recently constructed office buildings at both CDF and D-Zero. Both shelters would be built using existing concrete tunnel sections currently in storage at the Railhead.

The two tornado shelters would cover approximately 850 square feet at each location. Electric power and telephone lines would be run to each of the buildings to provide lighting, air circulation, and communication capabilities. Tunnel sections would be joined and sealed to protect against weather and insect and rodent intrusion.

These new tornado shelters are needed because the existing designated tornado shelters (for CDF and D-Zero) in the main buildings are too far away from the occupied areas, thereby, posing travel risks for personnel. In addition, there is a concern that the CDF shelter areas could experience overcrowding in some situations.

Two other options were considered in addition to this one. First, designated shelters were considered as part of the original construction of the buildings. The cost of adding secure shelters was prohibitive and could not be done within the available construction funding parameters. The second option was to purchase prefabricated shelters similar to the FermiShelter, currently in use at Lab 8 in the Village. In this case, the manufacturer no longer makes this specialized product and the unique tooling and set-up for a single run was cost prohibitive.

II. Description of the Affected Environment

Some digging would be necessary to form and pour concrete footings and to level the ground properly. All excavation activity would take place in soil that has been previously disturbed. The Task Manager, in accordance with the requirements outlined in the Fermilab ES&H Manual, would complete a Fermilab Excavation Permit for this job.

III. Potential Environmental Effects (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?

- Excavation
- Noise
- Asbestos
- PCBs
- Chemical storage or use
- Pesticides
- Hazardous, toxic or criteria air emissions
- Liquid effluents
- Underground storage tanks
- Hazardous waste
- Radioactive waste
- Radioactive exposures

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 has reviewed this proposed action and conclude 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.

V. DOE/CH-FAO NEPA Coordinator Review

Concurrence with the recommendation for determination:

NEPA Coordinator reviewer Jon P. Cooper
Signature Jonathan P. Cooper
Date 01/23/02

Fermi Area Manager Jane L. Monhart Jane L. Monhart
Signature Jane L. Monhart
Date 1/23/02

VI. Comments on checked items in section III.

Concrete footings would need to be formed and poured for each shelter and the ground under each one would be leveled. The volume of soil removed would be only a few cubic yards at each location. Utility lines would be run in shallow trenches and the amount of soil removed would be minimal. All soil is expected to be backfilled in place. However, if there were any excess excavation spoils, they would be removed from the Fermi site and disposed of in an approved manner.