

**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 Policy 451.1**

Project/Activity Title: Fermilab Welcome and Access Center (FWAC)

ES&H Tracking Number: 01149

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: Rhonda Merchut (X4599)

Signature and Date _____

I. Description of the Proposed Action and Need

Purpose and Need:

Fermilab is undergoing major expansions with the start of the Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment, Proton Improvement Plan II, Superconducting Quantum Materials and Systems Center and Integrated Engineering Research Complex projects. More than 4,000 scientists and 1,000 university students from over 50 countries use Fermilab facilities. With the positioning of new site assets and the influx of international users and visitors, a higher degree of site security is required. The higher degree of security is created by repositioning the security boundary closer to the physical entrance at Pine Street and Kirk Road. In repositioning the security boundary, it is necessary to reorganize and reposition site circulation, site security checking functions, and elements of user and visitor support at the Fermilab main entrance on Pine Street at Kirk Road. To bring Fermilab into compliance with the DOE goal to have a minimum of 80% employees and user behind a secure perimeter, Fermilab would relocate the existing Pine Street guard house closer to Kirk Road. Additionally, to reduce the number of unbadged accesses to Fermilab, the pre-badge functions of Badging, Subcontractor Orientation Training (SOT), and general information area will be built outside of the secure perimeter.

Proposed Action:

This is an initial environmental review to obtain guidance on moving forward with the design completion. The diagram in Part VII of this document is for 50% final design. The Fermilab Welcome & Access Center (FWAC) project would build a new 6,500 square foot building on Pine Street near Kirk Road. It would house the Global Services badging offices, a Subcontractor Orientation Training Room, and a welcome center exhibit area. Additionally, a new guard house would be provided. Work would include realignment of vehicular, bicycle, and pedestrian ways to increase safety. The FWAC building has a goal to be built carbon neutral and net-zero ready, meaning that the all-electric building would be designed such that if/when funding becomes available for alternate energy source, it can be added directly to the building without major modifications. The project site, also considering roadway enhancements and pedestrian path modifications, extends from Kirk Road along Pine street approximately 1,800 feet easterly. The location of the new facility and parking would be on the south side of Pine Street, east of Kirk Road, in the general vicinity of Broken Symmetry sculpture.

Alternatives Considered:

To bring Fermilab into compliance with the DOE goal to have a minimum of 80% employees and user behind a secure perimeter, Fermilab would relocate the existing Pine Street guard house closer to Kirk Road. Additionally, to reduce the number of unbadged accesses to Fermilab, the pre-badge functions of Badging, SOT, and general information area would be built outside of the secure perimeter. The following alternative analysis is taken from the Preliminary Project Plan.

ALTERNATIVE ANALYSIS

The location of the FWAC was selected based on the programmatic requirements for site access security and safety and visitor support services.

Fermilab has three public access points:

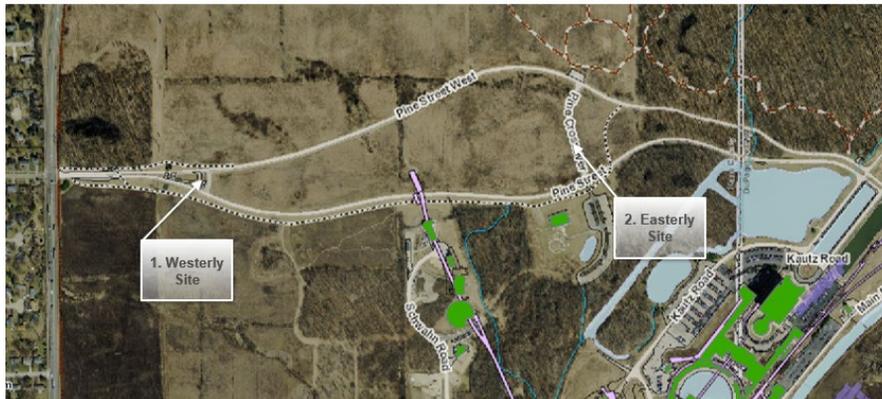
1. Pine Street near Kirk Road – Fermilab main entrance
2. Batavia Avenue, off of I-59
3. Wilson Street near Kirk Road – Fermilab delivery and truck entrance

A Process of determining the location for the FWAC was engaged. The Wilson Street entrance was eliminated from consideration due to the need to maintain truck traffic segregated from general site access. The Batavia Avenue entrance was also eliminated for several reasons:

1. Access to the entrance is through a residential area,
2. This entrance is not as well known to new people coming to Fermilab and is not identified as the primary site access point,
3. Public transportation does not serve this site access point,
4. This entrance is a considerable distance to most Fermilab buildings and places of interest.
5. Ecological factors make future growth challenging,

Therefore, site evaluation focused on the Fermilab main entrance at Pine Street. The location of the secure boundary at Pine Street was evaluated for two locations. Pine Street Site Considerations:

1. Westerly Site Towards Kirk Road
2. Easterly Site towards the Lederman Center



The Easterly site was attractive for its proximity to existing utilities and allows access to the Lederman Center before the security checkpoint. However, after considerable discussion with the DOE Fermi Site Office and Lab leadership, it was determined that the large areas of vulnerabilities to unauthorized site access rendered this site as not meeting the project objective to minimize unbadged/identification access to the site and facilities. Additionally, this site would impact ecologically sensitive areas. The Westerly site, closest to Kirk Road is not a currently managed ecological area. On October 24, 2020, at a Director's meeting with Lab and Project stakeholders, a final decision was made to focus on the Westerly site as the site that most clearly met the project's objective for aligning the site security access boundary with DOE requirements.



The 'No Action' alternative would not meet the purpose and need for this proposed activity.

II. Description of the Affected Environment

Specific environmental effects are presented 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
- Oil Use/ Storage

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.

Wetland/Floodplains

A wetlands investigation by WBK Engineering is underway.

Air Emissions

This is a new building with all new equipment, including boilers. The boilers are electric and therefore exempt from permitting per Title 35: Environmental Protection, Subtitle B: Air Pollution Sections 201.142, 201.143 and 201.144.

Liquid Effluents

New force main sanitary lines would be provided to serve the building. Storm runoff would be controlled and recaptured through swales.

Hazardous or other regulated waste

The site for the FWAC building is thought to be open with no previous construction and minimal utilities. The site for the new guard house would be in the general area where existing and previous guard houses have been located and would require removal of asphalt and concrete pads as well as the existing guard house. The asphalt road and bicycle paths would be removed. The existing guard house is metal and would be removed, existing equipment salvaged, and metal would be required to be recycled. Concrete foundations, pads, and rubble from previous display sign foundations in the area would be reused in the gabion basket retaining walls.

Oil Use/Storage

The new electric transformer may be required to be oil-filled by the electric company, although this conflicts with our sustainability goals, and we would try to work with the electric company to avoid it. (The service provider usually determines the type of transformer.) A final decision has not been made as to who would provide electric service to the site - City of Batavia or Com Ed.

Public Utilities/Services

Domestic water service (DWS), including for fire suppression would be brought from the City of Batavia (COB). DOE is currently working on an agreement with COB for the Domestic Water Supply. Soil borings have not been obtained, but it is assumed that some fill would be necessary under the 6,500 square feet building. The area of the new building is not a managed ecological area. Native plants would be disturbed by the construction; however, we are currently investigating whether some existing planting can be harvested for use on the building berms or green roofs. New electric service must be brought from Kirk Road, from either Com Ed (east side of Kirk Road) or City of Batavia (west side of Kirk Road). Communication lines would be run from Lederman Center, by way of directional bore.

V. NEPA Recommendation

Fermilab staff has evaluated the proposed action and believe that the following Categorical Exclusion applies. It is believed that the proposed action meets the description found in DOE's NEPA Implementation Procedures, 10 CFR 1021, Subpart D, 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 _____

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 Policy 451.1), 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.

FSO NEPA Compliance Officer: Rick Hersemann

Signature and Date _____

VII. Diagram

