FERMILAB ENVIRONMENTAL EVALUATION NOTIFICATION FORM (EENF) for documenting compliance with the National Environmental Policy Act (NEPA), Department of Energy (DOE) NEPA Implementing Regulations, and the DOE NEPA Compliance Program of DOE Policy 451.1

Project/Activity Title: Non-Accelerator Facilities Demolition (Site 50, 52, and 55)
ES&H Tracking Number: G24235

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: Tianhui Li
Signature and Date tianhui Digitally signed by tianhui DN: CN=tianhui Date: 2025.08.19 08:43:40-05'00'

I. Description of the Proposed Action and Need

Purpose and Need:
The purpose of the demolition of Site 50, 52, and 55 houses at Fermi National Accelerator Laboratory (Fermilab) in Batavia, IL, is to reduce excess facility operation burdens and to concentrate personnel and equipment for more efficient teamwork. This project aligns with the Fermilab Campus Master Plan by making progress towards campus objectives to consolidate, centralize, and modernize site infrastructure. Deactivation, decommissioning, demolition, and disposal of existing infrastructure is a critical element to a well-functioning DOE facility and for allocating limited resources. Aging facilities must be periodically evaluated for its usefulness, value, and maintenance and repair needs.

Proposed Action:
This project will demolish site 50 and 52 houses, and properly cut, cap, and remove existing utility connections. An additional house, site 55, may be demolished as objective scope. The site 50 house utilities will need to be properly terminated at the main feeds during the demolition phase. Power and communication cables will need to be re-routed to nearby trailers prior to demolition. The site will be backfilled with suitable soil material upon completion of building removal. The site 52 house utilities will need to be properly terminated at the main feeds during the demolition phase. The site will be backfilled with suitable soil material upon completion of building removal. The site 55 house includes an attached garage that is to remain and is not part of the demolition scope. Utilities will need to be properly terminated at the main feeds during the demolition phase. The site will be backfilled with suitable soil material upon completion of building removal. The connection to the adjacent garage will need to be made weathertight.

Alternatives Considered:
The following alternatives were evaluated for this project:

The “Do Nothing” alternative would not invest any funds in addressing aging infrastructure, whether by upgrading and rehabbing existing facilities, or by demolishing and clearing the site infrastructure.
This alternative is not viable for the following reasons: 1.) This would leave aging infrastructure, associated risks, and maintenance and operational costs in the laboratory’s budgets for facilities that are no longer of use to the Lab’s mission. 2.) Leaving aging infrastructure in place does not align with the Campus Master Plan.

Fermilab considered refurbishing and repurposing the existing facilities. This alternative would repurpose existing facilities by investing funds to refurbish and modernize the infrastructure based on need and the purpose of the new facility. The benefit of this alternative is a possible cost savings to refurbish facility in lieu of building a new facility. However, this may or may not be the case depending on existing building conditions and the new use requirements of the facility. This alternative is not preferred for the following

reasons: 1.) Some buildings, and infrastructure within, have reached the end of their useful life. Repurposing them is simply not cost effective when updating the entire structure is required. 2.) Some facilities were designed and constructed for a specific use and when those uses no longer are required, it is simply not feasible to rehab the facility to suit another need. 3.) Some facilities do not align with the Campus Master Plan and the mission of the Lab, including goals for consolidating office and technical spaces across the site.

II. Description of the Affected Environment

Site 50, 52, and 55. Potential environmental impacts are described in Section. IV.

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.

Other protected species
There are around five bats observed in the structures. Windows will be opened to create evacuation thresholds before any demolition activities occur. Service utility lines shall be cut and capped first to encourage bats to migrate. No known endangered or threatened species are present. Consultation with Illinois Natural History Survey bat experts did not outline any specific time periods to avoid. Windows will be opened in the fall to promote migration to avoid potential over-wintering.

Archaeological or historical resources
Fermilab adheres to its Cultural Resource Management Plan (CRMP). Fermilab has consulted with the State Historic Preservation Office (SHPO) to evaluate the facilities for cultural or historical significance. Photographs of the facilities have been taken and archived prior to demolition activities. SHPO determined a necessary Phase II Assessment of Site 52 for potential historical significance. Fermilab will conduct a Phase II Assessment of Site 52 prior to demolition, if demolition were still to occur.

Clearing or Excavation
Minimal excavation to take place in the vicinity of the houses to be demolished, for removing and capping utilities. No spoils removal is anticipated. Soil erosion control measures shall be implemented such as silt fences and site cleanup.

Demolition or decommissioning
This proposed action will completely remove the designate structures. The work consists primarily of the demolition, removal, and recycling of various building materials. The Subcontractor would be required to dispose of all waste.

Asbestos removal
Fermilab shall be responsible for the analysis and remediation of any lead paint and/or asbestos present prior to any demolition. Asbestos is found in all facilities. Asbestos abatement work shall be performed by abatement contractor before the demolition.

PCBs
Removal and disposal of PCB containing material will be coordinated with the subcontractor and Fermilab's Hazard Control Technology Team (HCTT).

Air emissions
HVAC units may be disconnected and removed from the facilities. Removal and disposal will be coordinated with the subcontractor and Fermilab's Refrigerant Manager for potential reclamation of refrigerant. Any accidental release of refrigerant must be reported to Fermilab's Refrigerant Manager and the Environmental Program Department (EPD).

Hazardous or other regulated waste (including radioactive or mixed)
The structures may contain small amounts of regulated waste, e.g., lead-based paint. Subcontractors would be required to conduct an assessment prior to demolition work. If regulated wastes are present, the Subcontractor would be required to coordinate with Fermilab to ensure proper disposal.

Public utilities/services
The demolition may require shut offs of local power, communication, and domestic water services for removal and capping.

V. NEPA Recommendation

Fermilab staff has evaluated the proposed action and believe that several Categorical Exclusions apply. It is believed that the proposed action meets the description found in DOE's NEPA Implementation Procedures, 10 CFR 1021, Subpart D, as follows.

B1.16 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).

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, PCBflushing 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, smokestacks 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.

B1.27 Disconnection of utilities
Activities that are required for the disconnection of utility services (including, but not limited to, water, steam, telecommunications, and electrical power) after it has been determined that the continued operation of these systems is not needed for safety.

B1.34 Lead-based paint containment, removal, and disposal
Containment, removal, and disposal of lead-based paint in accordance with applicable requirements (such as provisions relating to the certification of removal contractors and technicians at 40 CFR part 745, ‘‘Lead Based Paint Poisoning Prevention in Certain Residential Structures’’).

Fermilab NEPA Program Manager: Samantha Panock
Signature and Date Samantha Panock Digitally signed by Samantha Panock Date: 2025.08.18 09:57:02 -05'00'

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.

DOE / NEPA Compliance Officer:
Signature and Date KATHLEEN GREEN Digitally signed by KATHLEEN GREEN Date: 2025.08.25 14:16:47 -04'00'

VII. Diagrams

N/A