

Environmental Review Form for Argonne National Laboratory

Click on the blue question marks (?) for instructions, contacts, and additional information on specific line items.

(?)**Project/Activity Title:** Removal of the Building 370 Felix Magnet

(?)**ASO NEPA Tracking No.** A50-cx-272

(?)**Type of Funding:** MR

B&R Code _____

(?)**Identifying number:** EFR-1058 WFO proposal # _____ CRADA proposal # _____

Work Project # 15509-FM-155 ANL accounting # (item 3a in Field Work Proposal) _____

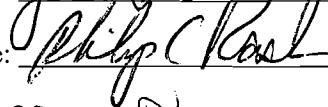
Other (explain) ESQ Log # _____

(?)**Project Manager:** Jesse Adams

Signature: 

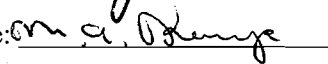
Date: 8-25-10

(?)**NEPA Owner:** Phil Rash

Signature: 

Date: 8/23/10

ANL NEPA Reviewer: M. A. Kamiya

Signature: 

Date: 8/25/2010

I. (?)**Description of Proposed Action:**

This action will demolish an existing magnet that was relocated from inside of Building 370 and placed in the 376 parking lot adjacent to Building 370. This action will demolish in place the FELIX magnet and associated equipment. The work includes the dismantlement and recycling or disposal of the components.

The existing Felix Magnet is constructed of a series of copper and synthetic laminated rings bound together by large diameters bolts. ^{See attached photo of the magnet. Attachment 2.53} Primary activities will include un-bolting the existing brackets and dismantling the rings. The material will be loaded and transported off-site. No grinding, cutting or torching of the equipment is anticipated.

II. (?)**Description of Affected Environment:**

The work will take place in a previously disturbed area: the 376 parking lot adjacent to Building 370. All material will be removed and recycled or disposed of.

(?)**Potential Environmental Effects:** (Attach explanation for each "yes" response. See Instructions for Completing Environmental Review Form)

A. Complete Section A for all projects.

1. (?)Project evaluated for Pollution Prevention and Waste Minimization opportunities and details provided under items 2, 4, 6, 7, 8, 16, and 20 below, as applicable Yes X No _____

2. (?)Air Pollutant Emissions: Yes _____ No X

3. (?)Noise: Yes X No _____

Minor noise associated with power tools.

4. (?)Chemical Storage/Use Yes X No _____

Standard construction oils and lubricated will be and stored during the demolition activities.

5. (?) Pesticide Use Yes ____ No X
6. (?) Polychlorinated Biphenyls (PCBs) Yes ____ No X
7. (?) Biohazards Yes ____ No X
8. (?) Liquid Effluent (wastewater) Yes ____ No X
9. (?) Waste Management
- a) Construction or Demolition Waste Yes X No ____
- All material will either be scrapped or disposed by the contractor
- b) Hazardous Waste Yes ____ No X
- c) Radioactive Mixed Waste Yes ____ No X
- d) Radioactive Waste Yes ____ No X
- e) PCB or Asbestos Waste Yes ____ No X
- f) Biological Waste Yes ____ No X
- g) No Path to Disposal Waste Yes ____ No X
- h) Nano-material Waste Yes ____ No X
10. (?) Radiation Yes ____ No X
11. (?) Threatened Violation of ES&H Regulations or Permit Requirements Yes ____ No X
12. (?) New or Modified Federal or State Permits Yes ____ No X
13. (?) Siting, Construction, or Major Modification of Facility to Recover, Treat, Store, or Dispose of Waste Yes ____ No X
14. (?) Public Controversy Yes ____ No X
15. (?) Historic Structures and Objects Yes ____ No X

An internal review of the historic contributions of the FELIX magnet was conducted by the ESQ division. It was determined that the magnet does not meet the criteria identifying the equipment as an historic artifact. SHPO has been sent a copy of the report and a confirmation is expected. Upon receipt, a copy of the report will be attached to this ERF and consequently sent to DOE for approval.

Approved the project without mitigation. (Approval letter attached, Attachment #2)

16. (?) Disturbance of Pre-existing Contamination Yes ____ No X
17. (?) Energy Efficiency, Resource Conserving, and Sustainable Design Features Yes ____ No X

B. For projects that will occur outdoors, complete Section B as well as Section A.

18. (?) Threatened or Endangered Species, Critical Habitats, and/or other Protected Species Yes ____ No X

19. (?)Wetlands Yes ____ No X
20. (?)Floodplain Yes ____ No X
21. (?)Landscaping Yes ____ No X
22. (?)Navigable Air Space Yes ____ No X
23. (?)Clearing or Excavation Yes ____ No X
24. (?)Archaeological Resources Yes ____ No X
25. (?)Underground Injection Yes ____ No X
26. (?)Underground Storage Tanks Yes ____ No X
27. (?)Public Utilities or Services Yes ____ No X
28. (?)Depletion of a Non-Renewable Resource Yes ____ No X

C. For projects occurring outside of ANL complete Section C as well as Sections A and B. N/A

29. (?)Prime, Unique, or Locally Important Farmland Yes ____ No ____
30. (?)Special Sources of Groundwater (such as sole source aquifer) Yes ____ No ____
31. (?)Coastal Zones Yes ____ No ____
32. (?)Areas with Special National Designations (such as National Forests, Parks, or Trails) Yes ____ No ____
33. (?)Action of a State Agency in a State with NEPA-type Law Yes ____ No ____
34. (?)Class I Air Quality Control Region Yes ____ No ____

III. (?)Subpart D Determination: (to be completed by DOE/ASO)

Are there any extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal? Yes ____ No X

Is the project connected to other actions with potentially significant impacts or related to other proposed action with cumulatively significant impacts? Yes ____ No X

If yes, is a categorical exclusion determination precluded by 40 CFR 1506.1 or 10 CFR 1021.211? Yes ____ No ____

Can the project or activity be categorically excluded from preparation of an Environment Assessment or Environmental Impact Statement under Subpart D of the DOE NEPA Regulations? Yes X No ____

If yes, indicate the class or classes of action from Appendix A or B of Subpart D under which the project may be excluded. B3.6. Decommissioning of facilities for small-scale R & D research.

If no, indicate the NEPA recommendation and class(es) of action from Appendix C or D to Subpart D to Part 1021 of 10 CFR.

ASO NEPA Coordinator Review: Ken Chiu

Signature: Ken Chiu

Date: 9/11/2010

ASO NCO Approval of CX Determination:

The preceding pages are a record of documentation that an action may be categorically excluded from further NEPA review under DOE NEPA Regulation 10 CFR Part 1021.400. I have determined that the proposed action meets the requirements for the Categorical Exclusion identified above.

Signature: Peter R. Siebach

Date: 9/2/2010

Peter R. Siebach
Acting Argonne Site Office NCO

ASO NCO EA or EIS Recommendation:

N/A

Class of Action: _____

Signature: _____

Date: _____

Peter R. Siebach
Acting Argonne Site Office NCO

Concurrence with EA or EIS Recommendation:

CH GLD: _____

Signature: _____

Date: _____

ASO Manager Approval of EA or EIS Recommendation:

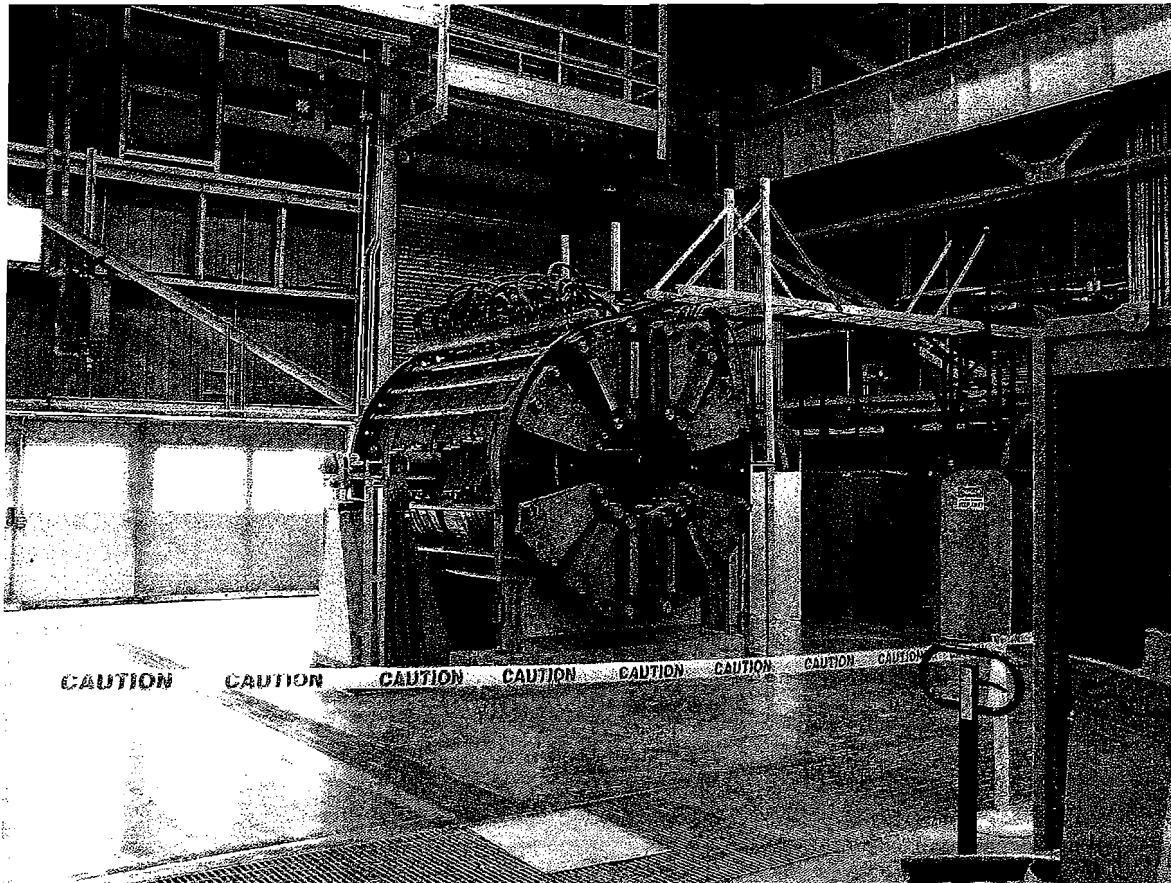
An ____ EA ____ EIS shall be prepared for the proposed _____ and

_____ shall serve as the document manager.

Signature: _____

Date: _____

Dr. Joanna M. Livengood, Manager

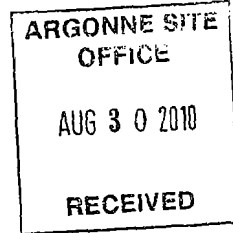


Enclosure 2. Photo of FELIX magnet.



**Illinois Historic
Preservation Agency**

1 Old State Capitol Plaza • Springfield, Illinois 62701-1512 • www.illinois-history.gov



ASO-CX-272
Attachment #2

FAX (217) 782-8161

DuPage County
Argonne

Dismantling of Large Magnet for the Fusion Electromagnetic Induction Experiment
Building 370, North of Bluff Road
IHPA Log #008081110

August 24, 2010

Dr. Joanna M. Livengood
Department of Energy
Argonne Site Office
9800 S. Cass Ave.
Argonne, IL 60439

Dear Dr. Livengood:

We have reviewed the documentation submitted for the referenced project(s) in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties are affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for two years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you have any further questions, please contact me at 217/785-5027.

Sincerely,

Anne E. Haaker

Anne E. Haaker
Deputy State Historic
Preservation Officer