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**CATEGORICAL EXCLUSION DETERMINATION
FEMP ROUTINE MAINTENANCE PROJECTS - CY
1991 AND 1992 NEPA DOC. NO. 333**

11/19/91

DOE-HQ/DOE-FN

NEPA DOC. 319

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CAT X

CATEGORICAL EXCLUSION DETERMINATION
FEMP Routine Maintenance Projects - CY 1991 and 1992
Fernald Environmental Management Project, Fernald, Ohio

Proposed Action:

The U.S. Department of Energy (DOE) proposes to perform routine maintenance projects on various DOE facilities at the Fernald Environmental Management Project (FEMP).

Location:

The proposed action will occur within the boundaries of the 1,050-acre FEMP site. The FEMP site is located 20 miles northwest of downtown Cincinnati, Ohio. The majority of these projects will take place within the 136-acre fenced-in Production Area located near the center of the site.

Background:

At FEMP, routine maintenance activities, corrective, preventative, and predictive, are required to maintain and preserve buildings, structures, infrastructures, and equipment in a condition suitable for its designated purpose. These activities are therefore vital to accomplishing the FEMP mission of cleanup and environmental remediation.

Description of Proposed Action:

The proposed action will involve the routine maintenance activities described below.

1. Maintenance, repair, or direct replacement process equipment and associated systems which include:
 - A. Fans and Tanks
 - B. Machine Shop Equipment
 - C. Heat Exchangers
 - D. Ovens and Furnaces
 - E. Bag Houses and Scrubbers
 - F. Conveyers
 - G. Motors
 - H. Piping
 - I. Valves
 - J. Compressors
 - K. Pumps
 - L. Inspection Equipment
 - M. Motor Control Center

2. Maintenance and repair of plant utility systems including water, electrical, communication, and data processing systems:

A. Maintenance and repair of plant water systems including:

- 1) Cooling water systems
- 2) Potable water systems
- 3) Storm sewers and plant drainage
- 4) Plumbing

B. Maintenance, repair, or direct replacement of plant and building electrical systems including:

- 1) Switchyards
- 2) Building conduit, wiring, and lighting
- 3) Emergency lighting
- 4) Circuit and wiring maintenance
- 5) Transformers, utility poles, crossarms, insulators, and downed transmission lines

C. Maintenance, repair, or direct replacement of communications and computer systems including:

- 1) Public address system
- 2) VAX, FAX, computer, and peripheral systems
- 3) Phone systems

3. Routine plant service activities:

- A. Mowing and trimming of grass, shrubs, and trees
- B. Assembling, uncrating, and moving furniture and equipment
- C. Activities involving snow removal
- D. Routine revegetation and erosion control activities
- E. Janitorial and housekeeping activities
- F. Small-scale use of pesticides
- G. Small-scale road, sidewalk, and parking lot repair
- H. Maintenance and repair of plant vehicles and heavy equipment
- I. Maintenance of plant safes/vaults and locks
- J. Busing and plant transportation
- K. Maintenance or repair of industrial machinery
- L. Maintenance, repair, or installation of fencing
- M. Fabrication and installation of indoor and outdoor signs
- N. Construction of scaffolding
- O. Calibration, testing, repair, and maintenance of instrumentation and electronic equipment
- P. Routine decontamination of tools, surfaces, and equipment where the action is not part of a decommissioning project

4. Maintenance of waste treatment, storage, and disposal facilities:
 - A. Support minor spill cleanup activities
 - B. Maintenance or repair of liquid retention tanks, dikes, and piping
 - C. Maintenance or repair of lagoons and small basins
5. Maintenance, repair or direct replacement associated with structures or buildings including:
 - A. Painting
 - B. Siding
 - C. Roofing
 - D. Mounting and hanging wall items
 - E. Door, ceiling, wall, window, floor, floor covering repair/replacement
 - F. Cabinet and shelf fabrication and installation
 - G. Elevator repair
 - H. Preventative and corrective actions required to maintain and preserve buildings, structures, and equipment in a condition suitable for fulfillment of its designated purpose
6. Maintenance required for safety and hazard prevention including:
 - A. Fabrication, installation, and repair of safety railings, machine guards, hand rails, guard rails, frames, and fences
 - B. Installation of nonskid surfaces and anchoring floor mats
 - C. Grounding of structures and equipment
 - D. Maintenance, repair, or replacement of eye washes, safety showers, and radiation monitoring devices
 - E. Replacing panic devices
7. Maintenance and repair of security systems including:
 - A. Computer security
 - B. Detection, monitoring, surveillance, and alarm systems
8. Maintenance, repair, or replacement of heating, ventilation, and airconditioning systems and high efficiency particle air filters.

Categorical Exclusion (CX) to be Applied:

The Amendments to Section D of DOE's NEPA Guidelines, published in the Federal Register on December 15, 1987, add classes of actions generally applicable to all DOE that normally do not require Environmental Assessments (EA) or Environmental Impact Statements (EIS) (52FR47662, December 15, 1987, p. 47668):

The Amendments specifically list the following as a type of action that is included:

Actions involving routine maintenance of DOE-owned or operated facilities.

The CX is appropriate since the proposed action, as described above, involves only projects that involve routine maintenance of DOE-owned or operated facilities which do not normally require an EA or EIS. This project will not threaten a violation of applicable statutory, regulatory, or permit requirements.

Compliance Action:

I have determined that the proposed action meets the requirements for the CX referenced above. Therefore, the proposed action is categorically excluded from further NEPA review and documentation.

Approval: 
Leo P. Duffy, Director
Office of Environmental Restoration
and Waste Management, EM-1

Date: 11/19/91

EH-25 has reviewed this determination and has no objection.

Signature: 
~~Carol Borgstrom, Director~~
Office of NEPA Oversight, EH-25

Date: 11/25/91

Neper# 6620

Memorandum

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DATE: NOV 20 1991

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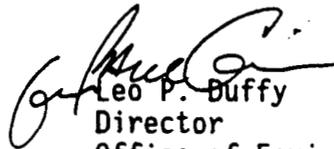
BY: EM-424 (M. McCune, 3-8152)

SUBJECT: Categorical Exclusion Determination - FEMP Routine Maintenance Projects -
CY 1991 and 1992, Fernald Environmental Management Project, Fernald, Ohio MA

TO: Carol Borgstrom, EH-25

I have approved the subject categorical exclusion under Section D of the Department of Energy's National Environmental Policy Act Guidelines and am forwarding it to you for review.

I request that you notify me within 2 weeks, in accordance with the Interim Procedural Guidelines for implementation of SEN-15-90, whether you have any objection to this determination.



Leo P. Duffy
Director
Office of Environmental Restoration
and Waste Management

Attachment

cc:
L. Lawson, EM-431
M. Kleinrock, EM-20

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