

**START**  
United States Government

Department of Energy  
Richland Operations Office

# memorandum

DATE: SEP 11 1991  
 REPLY TO:  
 ATTN OF: ERD:PFXD 91-EAB-272  
 SUBJECT: INFORMATION BULLETIN: PROJECT F-017: FABRICATION, EXAMINATION, AND DEVELOPMENT FACILITY (FEDF) PROCESS SEWER EFFLUENT REDUCTION; AND PROJECT F-020: 306-E BUILDING HEATING, VENTILATION AND AIR CONDITIONING (HVAC) UPGRADE; HANFORD SITE, RICHLAND, WASHINGTON  
 TO: J. E. Mecca, Director  
 Operations Division

We have reviewed the revised Information Bulletin for Project F-017, which was transmitted by a letter from J. R. Kelly, WHC, dated September 6, 1991. We had reviewed this project along with F-020, and recommended on June 21, 1991, that a Categorical Exclusion (CX) was appropriate. In response to a request from R. A. Almquist of your staff, we have separated the projects into separate CX Determination forms for your use in obtaining the CX determinations. Since these projects are sponsored by NE, the Manager RL may approve the CXs under authority delegated by NE on June 3, 1991.

Please contact Paul F. X. Dunigan, Jr. (376-6667) of my staff if you have any questions.

*R. D. Hudson for*

E. A. Bracken, Director  
 Environmental Restoration Division

Attachment:  
 Categorical Exclusion forms

cc w/att:  
 R. H. Engelmann, WHC



RECEIVED  
 R. H. ENGELMAN

SEP 12 1991

ACTION:  
 COPIES:  
 ROUTE:  
 FILE: F-017

CATEGORICAL EXCLUSION FOR  
FABRICATION, EXAMINATION, AND DEVELOPMENT (FEDF)  
PROCESS SEWER EFFLUENT REDUCTION  
Hanford Site

Proposed Action

The DOE Richland Field Office (RL) proposes to upgrade the process cooling system and modify drainage systems in the 306-E Building to eliminate discharges to the 300 Area Process Sewer Trenches.

Location of Action

300 Area, Hanford Site, Richland, Washington

Description of Proposed Action

The proposed action would replace the 306-E Building process cooling system. A chiller unit and a closed-loop cooling system would be designed and installed to replace the existing once-through cooling system. The system services 25-30 pieces of process equipment, and will be designed with at least 15 to 20 percent extra capacity for future equipment. The proposed action will be a \$470,000 General Plant Project, and will take approximately five months to design and four months to construct.

The cooling system will be an energy efficient design that meets DOE Order 6430.1A, and UBC requirements. Piping, etc. of the existing system not used by the new system will be left in place, or removed for excess. No hazardous or radioactive waste will be generated. The closed-loop cooling system will eliminate the discharge of water from the 306-E Building to the 300 Area Process Sewer system in support of Milestones M-17-00 and M-17-06 of the Tri-Party Agreement. All modifications will take place within the existing 306-E Building, which is not on a floodplain or wetland, nor in the Study Strip of the PL 100-605 Hanford Reach Study.

Categorical Exclusion (CX) to be Applied

The following categorical exclusion (CX) was published in the Tuesday, December 15, 1987, Amendments to the Department of Energy National Environmental Policy Act (NEPA) Guidelines, published in the Federal Register (52 FR 47662):

"General plant projects such as road and parking lot resurfacing, modifications to heating-ventilating-air conditioning systems, minor alterations of existing buildings, and other similar projects where: (1) the projects are located within previously disturbed areas and will not affect environmentally sensitive areas such as archeological sites, critical habitats, floodplains, and wetlands and (2) the projects are not part of a proposed action that is or may be the subject of an EA or EIS."

2

The CX is appropriate because it is a GPP project, will have only minimal environmental impact, will be located within a previously disturbed area, will not affect environmentally sensitive areas such as archeological sites, critical habitats, floodplains, and wetlands. In addition the action is not part of a proposed action that is or may be the subject of an Environmental Assessment or Environmental Impact Statement. Documentation for the project indicating satisfaction of the conditions of this CX will be maintained by RL.

Reviewed: \_\_\_\_\_

Paul F. X. Dunigan, Jr.  
RL NEPA Compliance Officer

NEPA Determination

I have determined that the proposed actions meet the requirements for the CX referenced above. Therefore, I have determined that the proposed actions are categorically excluded from further NEPA review and documentation.

Signature: \_\_\_\_\_

John D. Wagoner, Manager  
Richland Operations Office

Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_

Carol M. Borgstrom, Director  
Office of NEPA Oversight, EH-25

Date: \_\_\_\_\_

CATEGORICAL EXCLUSION FOR  
306-E BUILDING HEATING, VENTILATION AND AIR CONDITIONING  
(HVAC) UPGRADE  
Hanford Site

Proposed Action

The DOE Richland Field Office proposes to upgrade the HVAC in the 306-E Building.

Location of Action

300 Area, Hanford Site, Richland, Washington

Description of Proposed Action

The proposed action would replace the evaporative-type cooling unit in the 306-E Building with a new refrigeration unit and expand the system to serve two additional rooms. Additional fans, duct work, piping, and controls will be added. The proposed action is a General Plant Project, which will cost \$1 million, and take eight months to design and four to construct.

The system will be an energy efficient design that meets DOE Order 6430.1A, and UBC requirements. Piping, ducts, etc. of the existing system not used by the new system will be left in place, or removed for excess. No hazardous or radioactive waste will be generated. All modifications will take place within the existing 306-E Building, which is not on a floodplain or wetland, nor in the Study Strip of the PL 100-605 Hanford Reach Study.

Categorical Exclusion (CX) to be Applied

The following categorical exclusion (CX) was published in the Tuesday, December 15, 1987, Amendments to the Department of Energy National Environmental Policy Act (NEPA) Guidelines, published in the Federal Register (52 FR 47662):

"General plant projects such as road and parking lot resurfacing, modifications to heating-ventilating-air conditioning systems, minor alterations of existing buildings, and other similar projects where: (1) the projects are located within previously disturbed areas and will not affect environmentally sensitive areas such as archeological sites, critical habitats, floodplains, and wetlands and (2) the projects are not part of a proposed action that is or may be the subject of an EA or EIS."

2

The CX is appropriate because the proposed action is a GPP project, will have only minimal environmental impacts, will be located within a previously disturbed area, and will not affect environmentally sensitive areas such as archeological sites, critical habitats, floodplains, and wetlands. In addition the proposed action is not part of a proposed action that is or may be the subject of an Environmental Assessment or Environmental Impact Statement. Documentation for the project indicating satisfaction of the conditions of this CX will be maintained by RL.

Reviewed: \_\_\_\_\_

Paul F. X. Dunigan, Jr.  
RL NEPA Compliance Officer

NEPA Determination

I have determined that the proposed actions meet the requirements for the CX referenced above. Therefore, I have determined that the proposed actions are categorically excluded from further NEPA review and documentation.

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

John D. Wagoner, Manager  
Richland Operations Office

Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_

Carol M. Borgstrom, Director  
Office of NEPA Oversight, EH-25

Date: \_\_\_\_\_

## CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
E. A. Bracken RL	R. H. Engelmann, WHC	INCOMING:9105112

Subject: INFORMATION BULLETIN: PROJECT F-017: FABRICATIONS, EXAMINATION AND DEVELOPMENT FACILITY (FEDF) PROCESS SEWER EFFLUENT REDUCTION; AND PROJECT F-020: 306-E BUILDING HEATING, VENTILATION AND AIR CONDITIONING (HVAC) UPGRADE, HANFORD SITE, RICHLAND, WASHINGTON

## INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		President's Office	B3-01	
		R. J. Bliss (Level 1)	B3-04	X
		S. D. Bradley	A5-10	X
		C. J. Geier	B2-19	X
		R. E. Lerch (Assignee)	B2-35	X
		EDMC	H4-22	X
		RHE:\FILE\LB (2)	H4-57	X