

THE AEROSPACE CORPORATION



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7117-03.87.cdy.43
23 September 1987

Mr. Andrew Wallo, III, NE-23
Division of Facility & Site
Decommissioning Projects
U.S. Department of Energy
Germantown, Maryland 20545

Dear Mr. Wallo:

ELIMINATION RECOMMENDATION -- COLLEGES AND UNIVERSITIES

The attached elimination recommendation was prepared in accordance with your suggestion during our meeting on 22 September. The recommendation includes 26 colleges and universities identified in Enclosure 4 to Aerospace letter subject: Status of Actions - FUSRAP Site List, dated 27 May 1987; three institutions (Tufts College, University of Virginia, and the University of Washington) currently identified on the FUSRAP list of sites under consideration; and six institutions recently identified during a search of Hanford records.

The attached was prepared to document the elimination of these institutions from further consideration under FUSRAP and serve as a basis for transfer of sites from the "Considered List" to the "Eliminated List" in the FUSRAP Site Investigation and Remedial Action Summary Report.

A separate elimination recommendation memorandum for file will be prepared to document the elimination and transfer of Brown University from the "Considered List" to the "Eliminated List" due to the extended period of time that this institution was involved in uranium and thorium metallurgical research.

Please call if you have questions regarding the attached recommendation.

Sincerely,

Charles D. Young
Project Engineer
Government Support Directorate
Architecture Planning and
Technology Division

CDY/smb

Attachment

cc: J. Fiore
R. Lewis (w/o)
File

bcc: E. Katz
S. Jones

CA
CA.04
CT.05
FL.0-01
IN.06
IN.02
IN.0-01
MA.05
MA.0-05
MD.02
MI.08
MO.0-02
MO.07
NC.01
NY.0-05
NY.0-07
NY.28
NY.0-12
NY.0-14
NY.0-19
NY.18
NY.0-21
NY.20
OH.0-01
OH.0-05
PA.0-01
PA.0-05
VA.03
WA.0-0

FUSRAP ELIMINATION RECOMMENDATION
COLLEGES AND UNIVERSITIES

The purpose of the FUSRAP Identification and Characterization Process was to identify sites formerly used by or in support of Manhattan Engineer District (MED) and Atomic Energy Commission (AEC) activities during the early phases of nuclear energy development. The primary objective of the record searches conducted during the process was to identify facilities that handled or processed significant quantities of radioactive material and to obtain information necessary to determine the potential for residual radioactive contamination above current criteria and guidelines. Several colleges and universities, including the University of California, the University of Chicago, Iowa State College, Massachusetts Institute of Technology and others identified in this category of sites, were involved in uranium and thorium feed material processing and metallurgy. Reports addressing the operations at each of these institutions were prepared to support recommendations for designation of the sites for remedial action or elimination from further consideration under FUSRAP.

A number of other colleges and universities that made significant contributions to MED and AEC research and development programs were also identified and included on the FUSRAP site list. Subsequent record searches revealed that, with the few exceptions sited above, participation of the majority of these institutions was limited to research activities involving small quantities of radioactive materials in a controlled environment. No information has been found that would indicate a significant potential for continued presence of residual radioactive material as a result of these operations at the institutions identified below. The probability of finding information to the contrary is considered remote. Therefore, further investigation is not considered warranted. Furthermore, unless directed to the contrary, the institutions listed below will be eliminated from further consideration and appropriate site files will be closed by insertion of a copy of this document.

<u>NAME</u>	<u>LOCATION</u>	<u>REMARKS</u>
California Inst. of Technology	Pasadena, CA	Note 3
University of California	Davis, CA	Note 2
Yale Heavy Ion Linear Accelerator	New Haven, CT	
University of Miami	Perrine Field, FL	
Indiana University	Bloomington, IN	
Purdue University	Layfayette, IN	Note 1
Van Der Graaf Laboratory		
University of Notre Dame	South Bend, IN	Note 2
Harvard University	Cambridge, MA	
Tufts College	Medford, MA	
Johns Hopkins University	Baltimore, MD	

<u>NAME (Continued)</u>	<u>LOCATION</u>	<u>REMARKS</u>
University of Michigan	Ann Arbor, MI	
St. Louis University	St. Louis, MO	Note 1
Washington University	St. Louis, MO	Note 1
North Carolina State University	Raleigh, NC	Note 3
B. Thompson Institute - Plant Research	Yonkers, NY	
Carnegie Institute of Washington	Cold Springs Harbor, NY	
Cornell University and Medical College	New York, NY	
Fordham University	New York, NY	
Long Island College of Medicine	New York, NY	
Polytechnic Institute of Brooklyn	New York, NY	
Rensselaer Polytechnic Institute	Troy, NY	Note 3
Rockefeller Institute for Medical Research	New York, NY	
University of Rochester	Rochester, NY	Note 2
Case School of Applied Science, Ohio State University	Columbus, OH	Note 1
University of Cincinnati	Cincinnati, OH	Note 3
University of Pennsylvania	Philadelphia, PA	
University of Pittsburgh	Pittsburgh, PA	
University of Virginia	Charlottesville, VA	
University of Washington	Seattle, WA	Note 1

In addition, search of Hanford operations records from the early 1950's on file in the DOE Richland Operations Office revealed five additional colleges and universities that performed research in support of Hanford's Division of Biology and Medicine and Division of Research. Information assembled to date indicates that the activities conducted at these institutions fall in the category described above indicating little or no potential for residual radioactive contamination as a result of the work performed during that period. Therefore, the sites listed below will be added to the FUSRAP list of sites identified, and eliminated from further consideration as candidate sites.

<u>NAME</u>	<u>LOCATION</u>	<u>REMARKS</u>
Reed College	Portland, OR	
Washington State University	Pullman, WA	
University of Oregon and Medical Sch.	Eugene, OR	
Oregon State University	Corvallis, OR	
University of Wyoming	Laramie, WY	
University of Idaho	Moscow, ID	

Notes identified in the Remarks section of the lists above reflect information regarding status and licensing assembled during the course of historical records searches. Specific searches of current NRC licensing

records and DOE contract records were not conducted. Therefore, identification of institutions under current NRC license or DOE contract may not be complete.

Note 1. Facility operating under active NRC license.

Note 2. Active DOE contractor facility.

Note 3. Facility was operated under AEC or NRC license.

IN.0-01

FUSRAP

Site Investigation and Remedial Action

Summary Report



SITES ELIMINATED FROM FUSRAP CONSIDERATION AS OF
DECEMBER 31, 1987

SITENAME	CITY	STATE	SUMMARY	STATUS	ALTERNATE NAME
JOSLYN MANUFACTURING AND SUPPLY COMPANY	FT. WAYNE	IN	ROLLED AND MACHINED URANIUM RODS FROM BILLETS	SITE VISIT IN 1976 INDICATED A FEW ISOLATED SPOTS OF ALPHA AND BETA-GAMMA, BUT BELOW GUIDELINES. ELIMINATION PACKAGE WAS COMPLETED CY 1986, NO FUSRAP REMEDIAL ACTION IS REQUIRED.	JOSLYN STAINLESS STEEL
PURDUE UNIVERSITY VAN DER GRAAF LAB	LAFAYETTE	IN	3 BUILDINGS - GASEOUS DIFFUSION PILOT PLANT, POWER REACTOR DEVELOPMENT UNDER AEC CONTRACT	THIS SITE OPERATED UNDER NRC LICENSE AND WILL NOT BE INCLUDED IN FUSRAP.	
STANDARD OIL OF INDIANA		IN	8-10 PLANT DEVELOPMENT (BORON)	THERE IS NO INDICATION OF RADIOACTIVE MATERIALS USE OR INVOLVEMENT AT THIS SITE, IT WILL NOT BE INCLUDED IN FUSRAP.	
UNIVERSITY OF NOTRE DAME	SOUTH BEND	IN	USED ELECTROSTATIC GENERATOR TO STUDY TO EFFECTS OF INTENSE IRRADIATION	RECORDS ONLY INDICATE THAT THIS SITE DID RESEARCH. POTENTIAL FOR RESIDUAL CONTAMINATION IS CONSIDERED REMOTE. THE SITE WILL NOT BE INCLUDED IN FUSRAP.	
WABASH RIVER ORDNANCE WORKS	NEWPORT	IN	HEAVY WATER PLANT	INFORMATION COLLECTED INDICATE MED ACTIVITIES WERE FOR THE PRODUCTION OF HEAVY WATER. THERE IS NO INDICATION OF INVOLVEMENT WITH RADIOACTIVE MATERIALS. THE SITE IS NOT INCLUDED IN FUSRAP.	

IN.0-01