DOE F 1325.8 (8-89) EFG (07-90)

VA.S-1

VA.05

United States Government

Department of Energy

memorandum

1/292

DATE: DEC 2 3 1993

REPLY TO ATTN OF: EM-421 (W. A. Williams, 903-8149)

SUBJECT: Elimination of the Sites from the Formerly Utilized Sites Remedial Action Program

TO: The File

I have reviewed the attached site summaries and elimination recommendations for the following sites:

- Mitts & Merrel Co., Saginaw, Michigan
- North Carolina State University, Raleigh, North Carolina
- National Smelt & Refining, Cleveland, Ohio
- Sutton, Steele & Steele, Dallas, Texas
- Norfolk Naval Station, Virginia

In each case, the potential for radiological contamination above applicable guidelines is small. In each case the amounts of radioactive materials handled was small. Based on these considerations, these sites are hereby eliminated from further consideration under the Formerly Utilized Sites Remedial Action Program.

W. Alexander Williams, PhD
Designation and Certification Manager
Division of Off-Site Programs
Office of Eastern Area Programs
Office of Environmental Restoration

Attachments

VA.5 Norfolk Naval Air Station, Norfolk

File contains: 2 Documents

Document 1	Analytical Data Sheet dated 07/19/56.
Document 2	Letter date stamped 06/12/90 from W. A. Williams to Naval Base Commander.

Copies provided here are from: 1 Document.

Document 1	Analytical Data Sheet dated 07/19/56.

COMMENTS:

It is very likely that the material used for the uranium turning fire test was sent back to Fernald, from where it was sent. It is also likely that the amount of material used for the test was not significant.

NLO VA.5

No 9846

ANALYTICAL DATA SHEET

ANALYTICAL DEPT. – HEALTH AND SAFETY DIVISION

Industrial Hygiene or Medical Dept.

1956

I. H.# 1049 Sample Nos. 5 Date Collected 7/19 by AJS Route to AJS

Location NORFOLK NAVAL STATION Type of Sample air dust Analyzed for F U No_3 Oil Be Alphaxxx Beta Ra pH Th

Remarks Samples collected during the demonstration of a uranium turning fire. Men below took part in extinguishing the fire. All wore Comfo type respirators and extinguished the fire from an upwind position.

Analytical Chemistry Section:

Date Received 7-24-56 by Lab

Date Reported 8-24-56 by MW

Method of Analysis Alpha scintillation counter 2 by CJM

Counting Data:

BKGD .13 c/min GEO 42%

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	d/m/M^3
331	1400	BZ Welch extinguishing a uranium fire with water from a distance of 15 ft. upwind.	.02	1.75	.035	3	15	0.07	7
330	1400	BZ Murray extinguishing a uranium fire with water from a distance of 15 ft. upwind.	.02	1.5	.03	0	15	n.d.	n.d.
329	1415	BZ Radcliffe shoveling burning uranium turnings into drum of water.	.02	2.75	.055	32	1.38	23.06	1426
328	1440	BZ Dale extinguishing a uranium fire with water from a distance of 25 ft. upwind.	.02	1.1	.022	2	15	n.d.	n.d.
327	1500	BZ Murray shoveling burning uranium turnings into a drum of water.	.02	7	.14	26	15	1.60	39

DISTRIBUTION:

1-ANALYTICAL LABORATORY DEPARTMENT *(RECORD COPY)*
2-INDUSTRIAL HYGIENE DEPARTMENT
3-MEDICAL DEPARTMENT
4-DIRECTOR OF HEALTH & SAFETY DIVISION

NLO-H&S-736 (2-2-56)

ANALYTICAL DATA SHEET

ANALYTICAL DEPT. – HEALTH AND SAFETY DIVISION

Nº 9847

Industrial Hygiene or Medical Dept.	Analytical Chemistry Section:
1956	
I. H.# 1050 Sample Nos. 4 Date Collected 7/20 by AJS Route to AJS	Date Received 7-23-56 by Lab
Location NORFOLK NAVAL STATION Type of Sample smear Analyzed for F Alphaxxx	Date Reported 7-24-56 by MW
Remarks Smears were taken of the wall of a concrete building near U Beta	Method of Analysis Alpha scintillation
the area where the uranium fire was demonstrated. The smoke NO_3 Ra	counter 2 by CJM
and fumes resulting from the fire went in the direction of Oil pH	Counting Data:
this wall. Be Th	BKGD .13 c/min GEO 42%

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	$d/m/100cm^2$
P 072	1000	Smear 100cm on building located 60 ft. from the fire. The smoke and fumes were blown toward this building.				7	15	0.34	0.81
P 073		Smear 100cm approx. 15 ft. from above location.				2	16	n.d.	n.d.
P 074		Smear 100cm approx. 30 ft. from P 072.				3	15	0.07	0.17
P 075		Smear 100cm approx. 45 ft. from P 072.				3	15	0.07	0.17

DISTRIBUTION:

1-ANALYTICAL LABORATORY DEPARTMENT *(RECORD COPY)*
2-INDUSTRIAL HYGIENE DEPARTMENT
3-MEDICAL DEPARTMENT
4-DIRECTOR OF HEALTH & SAFETY DIVISION

NLO-H&S-736 (2-2-56)

№ 9929

OUT [illegible]

ANALYTICAL DATA SHEET

ANALYTICAL DEPT. – HEALTH AND SAFETY DIVISION

Industrial Hygiene or Medical Dept.

I. H.# ______ Sample Nos. ______ Date Collected 7/27/56 by Branigan Route to Stefanec

Location Norfolk Naval Base Type of Sample urine Analyzed for F, U xx, No_3, Oil, Be, Alpha, Beta, Ra, pH, Th

Remarks Samples were submitted by F. Branigan and H. Welch at Norfolk, Virginia after a demonstration of a uranium fire at the Fire Fighters School for AEC contractors.

Analytical Chemistry Section:

Date Received 8-1056 by Lab.

Date Reported 8-13-56 by Lab.

Method of Analysis Fluorimeter

______ by Lab.

Counting Data:

BKGD ______ GEO ______

Sample No.	Hour	Sample Description	R	T	Q				mg/l
1 HW	7/24/56 1000	Homer Welch							.004
2 HW	7/26/56 1000	" "							.003
3 HW	7/27/56 1500	" "							.007
4 FB	7/24/56 1000	Frank Branigan							.002
5 FB	7/26/56 1000	" "							.005
6 FB	7/27/56 1530	" "							not enough sample

DISTRIBUTION:

1-ANALYTICAL LABORATORY DEPARTMENT *(RECORD COPY)*
2-INDUSTRIAL HYGIENE DEPARTMENT
3-MEDICAL DEPARTMENT
4-DIRECTOR OF HEALTH & SAFETY DIVISION

NLO-H&S-736 (2-2-56)