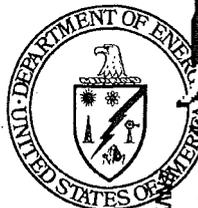


*Mound Site
CERCLA
Reading Room Copy*



**Environmental
Restoration
Program**



Miamisburg Closure Project CLOSEOUT REPORT

A Building

(Demolition)

Final
December 2004

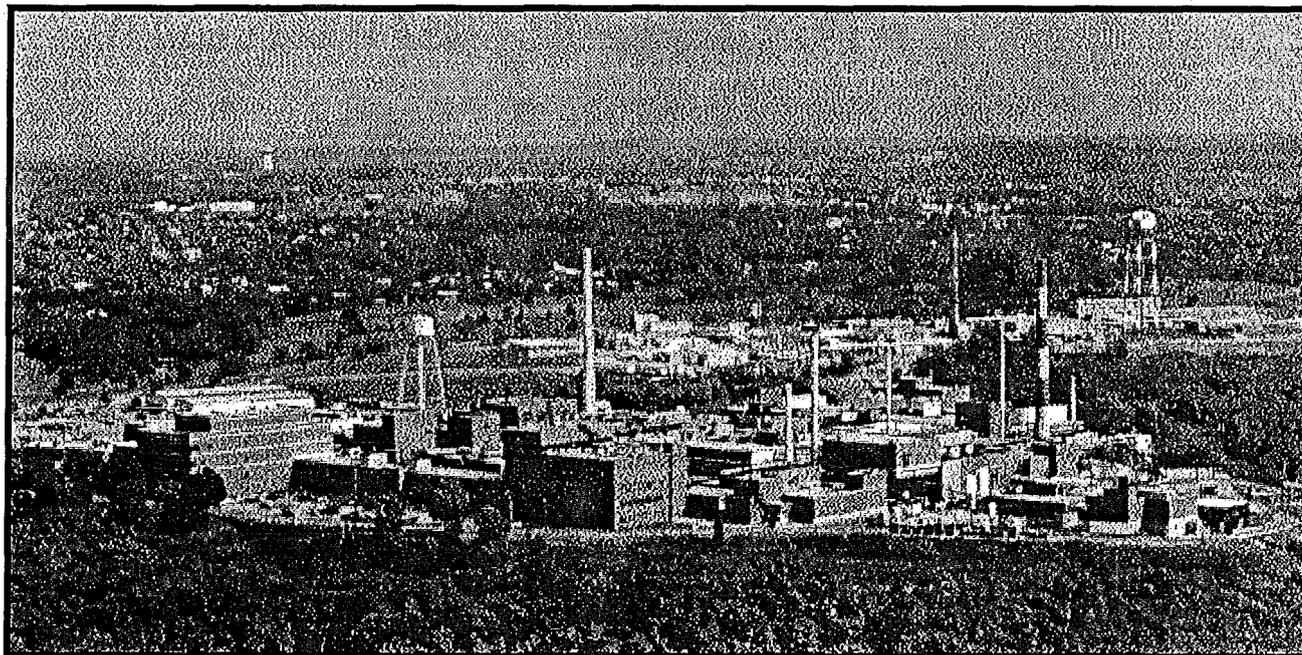


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1.0 PURPOSE

This is the final report documenting completion of the demolition of A Building located at the Department of Energy (DOE) Miamisburg Closure Project (MCP) Site, as shown in the figures provided in Appendix A. The building demolition; including the slab and footer of the annex, the basement walls removed to below three feet, and drainage holes punched into the basement floor, was accomplished per the Work Package for A Building Demolition #SMPP/TFV-36371. A copy of the Work Package was included in Appendix O of the Building Data Package (BDP) for A Building. The scope of work relating to this building is considered complete. Final site restoration has been completed.

2.0 BACKGROUND

2.1 A Building

Constructed in 1948 as one of Mound's original structures, A Building was built to serve as an office area and was the official entrance to the Mound plant. A Building was located in the northern portion of the site overlooking the Great Miami River valley (Figure 1). The building was constructed as a concrete frame structure, with face brick and masonry block walls; the interior walls were plastered. A Building consisted of a central portion, which included two floors and a basement, and two end wings, which were one-story construction that projected from eastern and western sides of the central structure. The area under the east and west wings was designated as a "crawl space". As originally constructed, A Building contained 34,785 square feet of floor space, including the basement. At the time of demolition, A Building was a 55,582 square-foot structure having undergone ten major structural altering additions and remodeling projects. A listing of the building modification history is provided in Table 1.

Table 1: Building Modification History

Time-frame	Building Modification	Resulting Change
1948	34,785 square foot office building constructed.	Original structure built.
1959	Addition of a second floor to the western wing of A Building.	Addition of more offices and a data processing area and data processing equipment area.
1960	Addition of a second floor to the eastern wing of A Building.	Addition of more offices.
1964	Ground level addition to the southern end of the western wing.	Increase data processing area and office space.
1966	A-Annex was constructed.	Addition of computer operator support area.
1966	Addition of an elevator shaft and loading dock on the inside corner of the main part of A Building and the eastern wing.	Add an elevator to the structure.

Time-frame	Building Modification	Resulting Change
1967	Addition of a whole body counting facility to the southern end of the eastern wing.	Addition of diagnostic areas, change rooms, and equipment rooms.
1967	Addition of a second floor to the 1964 addition to A Building.	Addition of more offices.
1968	Addition of a decontamination facility to the eastern side of the east wing.	Addition of decontamination areas and facilities, including the installation of two underground tanks (Tanks 211 and 212), as an expansion to the medical operations in A Building.
1972	Remodeled A-Annex.	Removal of walls and reconfiguration of the 1966 addition.
1975	Construction of OSW Building.	Construction of adjoining office area on the western side of A Building.
1987	Construction of OSE Building.	Construction of adjoining office area on the eastern side of A Building.
2004	Demolition of A Building	Site was restored

The building used central steam for heating and chilled water for cooling. Electric service was 480 volts. The building had potable and service water, a fire sprinkler system, sanitary services, and storm drains.

Since its construction, A Building served as an office facility and a general support facility. A number of support functions have occupied the building during its history. Table 2 details the support functions that have been housed in A Building.

Table 2: Processes and Functions Housed in A Building

Timeframe	Process or Function
1948 to 2003	General support. Provided office space for the plant operating contractor and DOE (formerly AEC), the medical facility, records management, photography department, central telephone system and other related functions.
1948 to 1952	Processing of pocket meters and film badges for radiation exposures in Rooms 14, 15, 16, and 17.
Early 1960s to 1970s	Computer-related activities supporting the detonator program.
1966 to 1970's	Site computer programmers and support staff offices.
1967 to 1996	Whole body monitoring facilities.
1968 to 2003	Personnel decontamination facility.

A Building continued to operate as a support facility through the end of 2003. No research, development, or production activities using radioactive or energetic materials occurred in the building.

2.2 Potential Release Sites (PRSs)

As a result of the investigations and documentation accomplished to comply with the CERCLA cleanup process via the Federal Facilities Agreement (FFA)/DOE Environmental Restoration (ER) Program, DOE and the site contractor tabulated all the PRSs identified under the various regulatory programs in effect at the site. Of these PRSs, three are at or near A Building, as identified in Table 3. The PRS locations are shown in Figure 2 and recommendation sheets are provided in Appendix C.

Table 3: PRSs in Proximity to A Building

PRS	CERCLA or Bldg. Related	Binning Status	Comments
211*	Building	No Further Assessment (NFA)	A Building Decontamination Shower Water Tank (Tank 28)
212*	Building	NFA	A Building Decontamination Shower Water Tank (Tank 29)
241	CERCLA	NFA	Northwest Parking Lots

* PRSs 211 and 212 - The A Building Decontamination Shower Water Tanks were removed and disposed of as low-level waste (LLW). Soil samples were collected from below the tanks and below influent and effluent lines. Analytical results are provided in the PRS 211 and 212 PRS Package.

3.0 ACTIONS TAKEN

The A Building BDP was submitted for simultaneous Core Team and public review on 14 February 2004, and the 30-day public review period concluded on 15 March 2004.

The demolition of A Building commenced on 21 April 2004 and the site restoration was completed on 02 November 2004. Photographs taken before, during, and after demolition are provided in Appendix A.

A Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) study of A Building was performed prior to demolition. The study report (provided in Appendix G of the Final BDP) provides details of the survey design and results and indicate that A Building met applicable surface release criteria.

Following demolition, the ground-contact surfaces of the slab were surveyed. All results met surface release criteria. Radiological Survey Data Sheets (RSDSs) for post-demolition surveys are provided in Appendix B.

Post-demolition surveys associated with PRSs 211 and 212 (A Building decontamination shower water tanks) were performed and survey results are provided in the PRS 211 and 212 PRS Package.

Building debris was loaded into haulers and taken to a local sanitary landfill.

This Closeout Report documents the completion of the demolition and removal of A Building. All preparation and demolition activities were performed in accordance with the detailed work plan.

Table 4: Materials Disposition

A Building Material	Quantity	Disposal Method	Destination
Asbestos Abatement (Debris)	120 cubic feet	Landfill	Stoney Hollow
Construction Debris (concrete, brick, and rebar)	16,160 cubic feet	Landfill	Stoney Hollow
Clean Hard Fill Debris (concrete)	211 cubic yards	Reused onsite	Concrete Crusher
Polychlorinated biphenyl (PCB) Light Ballast	0.8 cubic feet	Treatment	Clean Harbors
Glycol	16,267 liters	Treatment	Clean Harbors
Scrap Metal	1,260 cubic yards	Recycle	Metal Shredders

4.0 PROBLEMS ENCOUNTERED

A Building was successfully demolished per the Work Package. No problems were encountered.

5.0 RESOURCES COMMITTED

5.1 Personnel Organization

Table 5 lists the personnel organization for the demolition.

Table 5: Personnel Organization for the Demolition

Agency or Party Involved	Contact	Description of Participation
US EPA (SR-6J) 77 W. Jackson Chicago, IL 60604 312-886-7058	Tim Fischer	Federal agency responsible for MCP oversight.
Ohio EPA 410 E. Fifth Street Dayton, OH 45402-2911 937-285-6468	Brian K. Nickel	State agency responsible for MCP oversight.
DOE/ MCP P.O. Box 66 1 Mound Road Miamisburg, OH 45343-0066 847-8350, ext. 304	Frank Schmaltz	DOE/ MCP Project Manager responsible for project oversight and success.
CH2M Hill Mound, Inc. SMPP-TFV Project P.O. Box 3030 1 Mound Road Miamisburg, OH 45343-3030 937-608-8007	Chris Watson	Provided the DOE/ MCP Project Manager with technical assistance, administrative support, sampling, decontamination, photo and site documentation, site safety, and report preparation. Provided the equipment necessary for the demolition and performed the building demolition and site restoration.

5.2 Demolition Cost

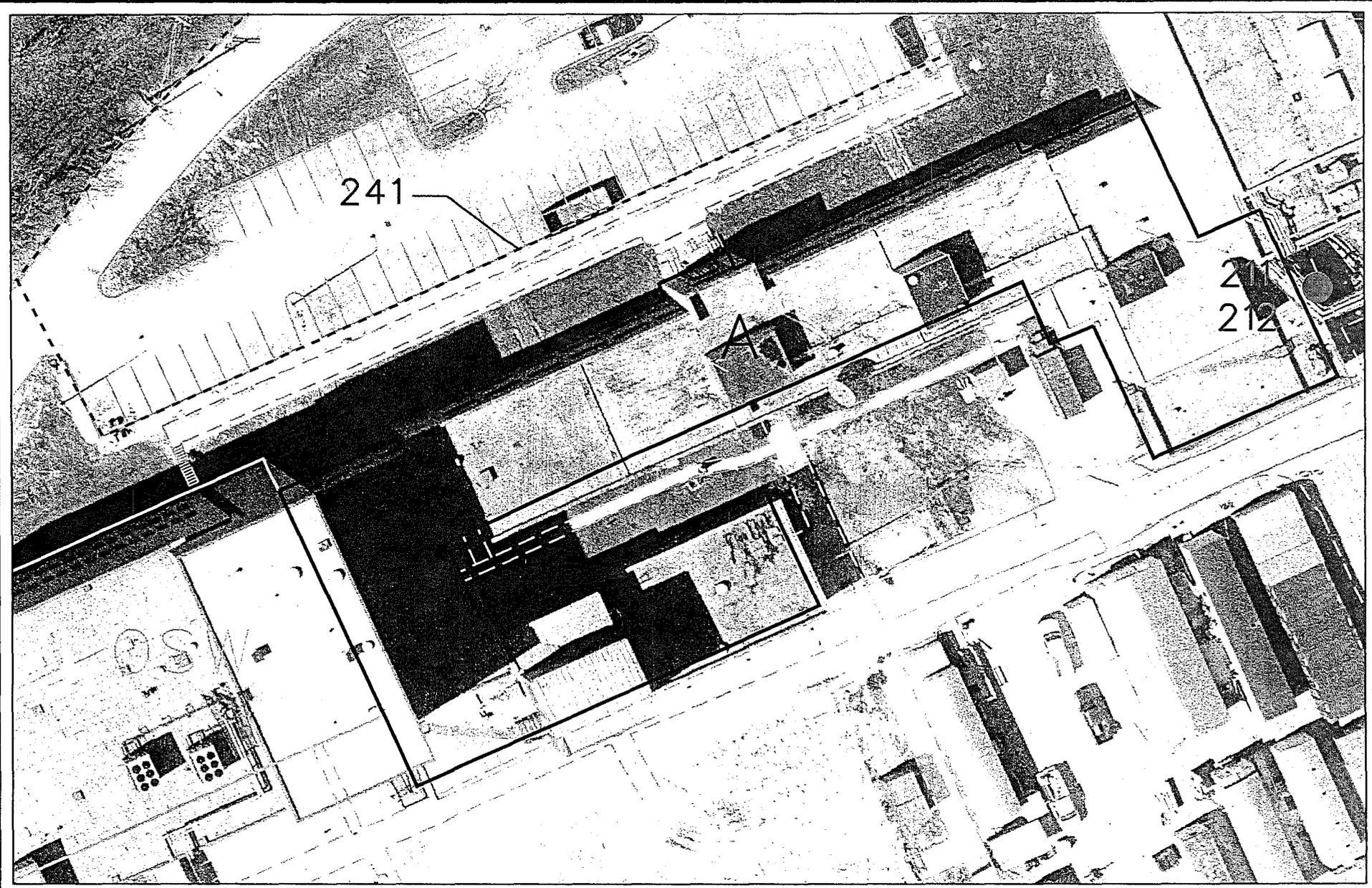
Under the new site contract, CH2M Hill Mound, Inc. has elected to cluster financial data for multiple buildings together. A Building is the only building in Cluster A. The total cluster costs are presented in Table 6.

Table 6: Cluster A Total Costs

Activity	Cost
Work Planning	\$69K
Facility Prep	\$375K
Demolition	\$350K
Total	\$794K

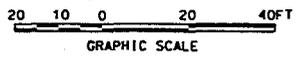
APPENDIX A

Figures



A2077

- PRS Point
- PRS Area
- ~ PRS Line



MOUND



Environmental
Restoration
Geographic
Information
System

SHEET	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
ISSUE																						
SHEET	1	2	3	4	5	6																
ISSUE																						
PART CLASSIFICATION																						
DRAWING CLASSIFICATION															SIZE	DRAWING NUMBER			JOB NUMBER			
UNCLASSIFIED																						
DWG TYPE	STE	PRG	ER-GIS	CACC												SCALE	*	SHEET 1 OF 1				
STATUS	MD-REF	-05/12/03												ORGN	MSTATION / J							

Figure 2:
A Building
and Vicinity

11/20/03						SSP																
DATE		REVISION	BY	CHKR	ENG	LP/MLC	APVD	#														

Figure 3 - Building Photos



**A Building
North view**

A3 of 7

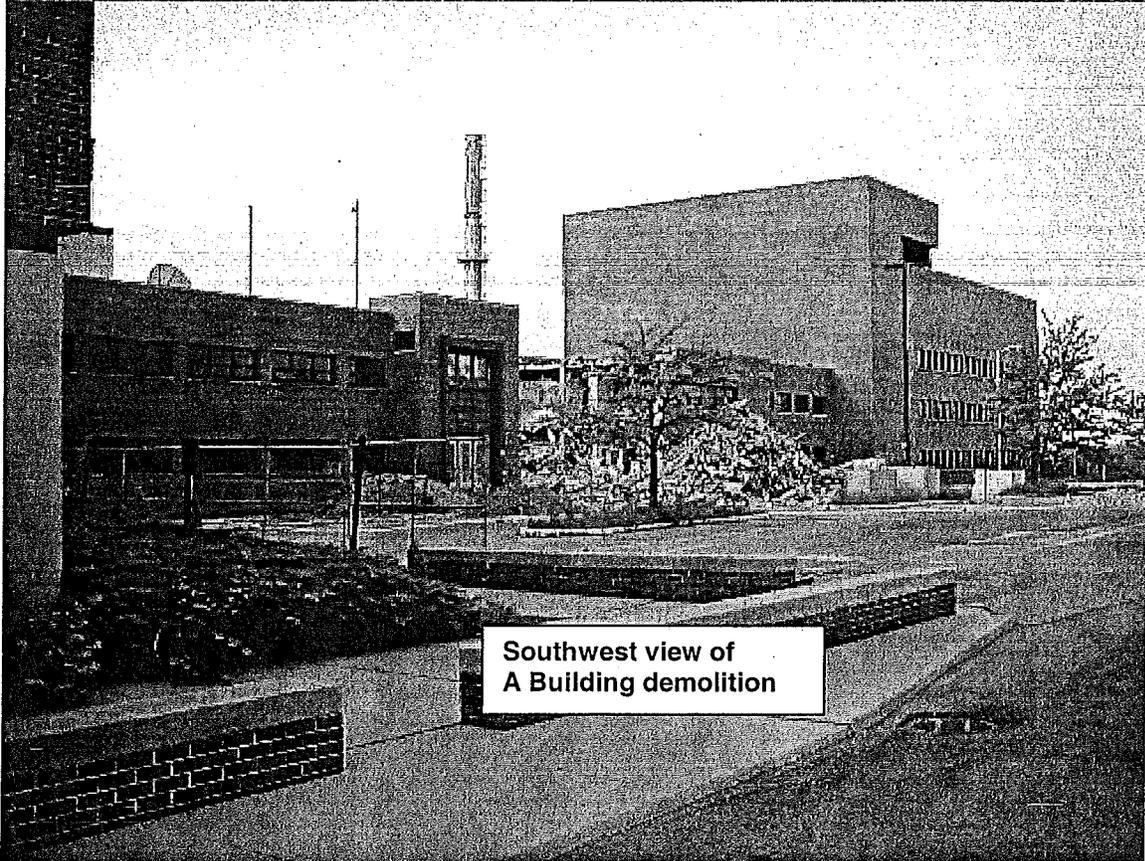


**A Building
West view**

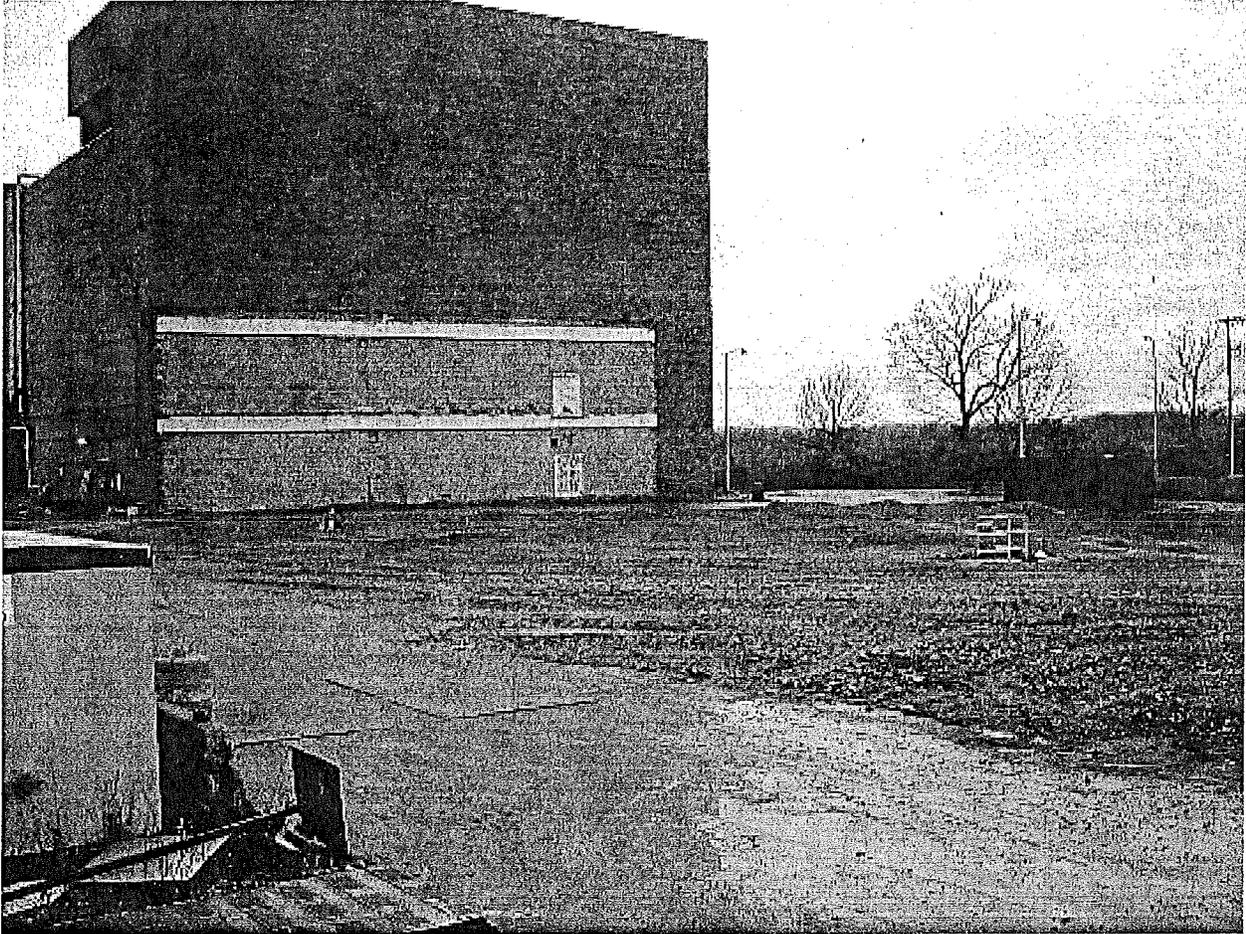
A407



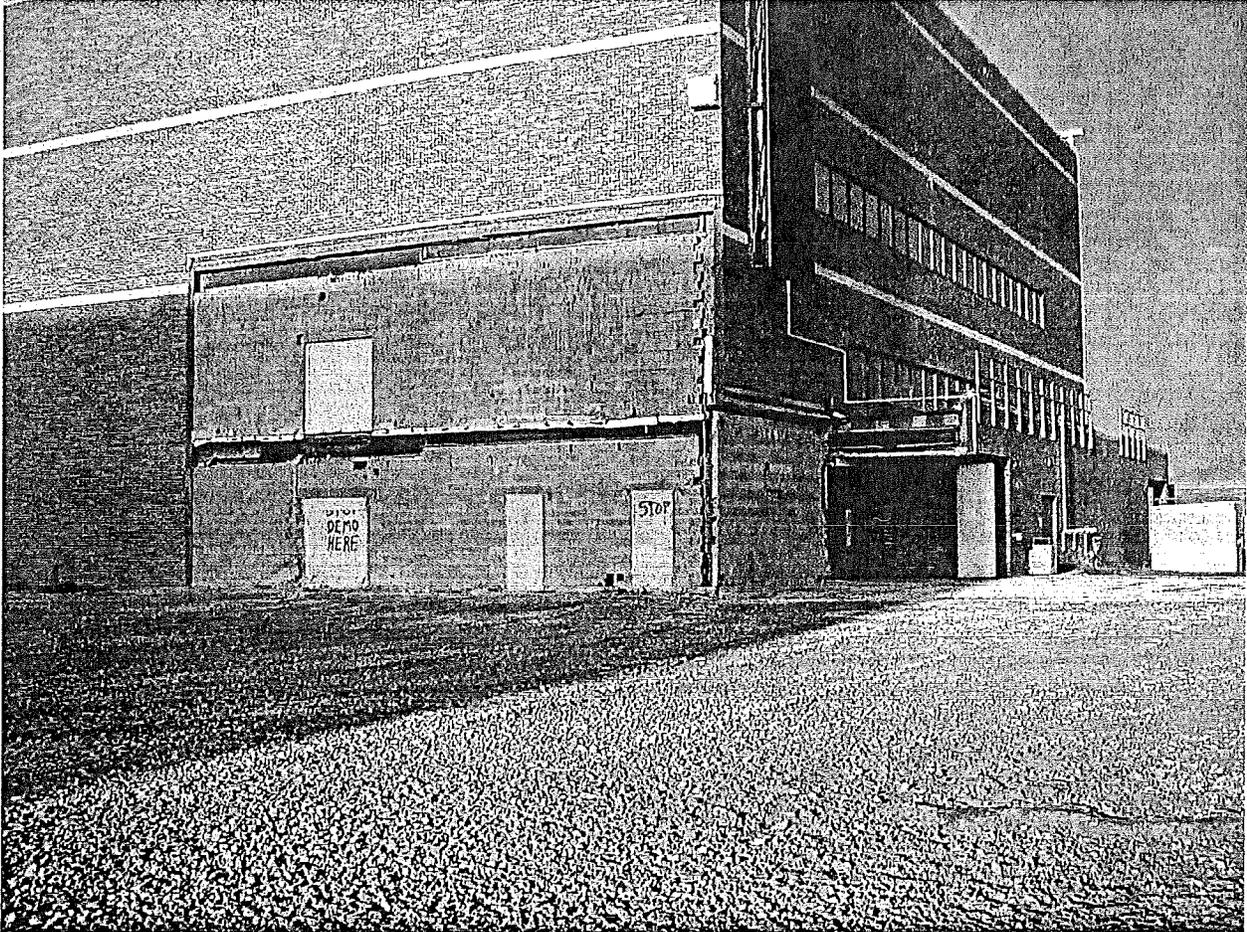
A Building demolition
looking north



Southwest view of
A Building demolition



**A Building final restoration
View looking northwest**



**A Building final restoration
View looking northeast**

APPENDIX B

Post-Final Status Survey Report Radiological Surveys

This appendix includes copies of the RSDSs from the post-demolition surveys of the ground-contact surfaces of the slab. All results met surface release criteria.

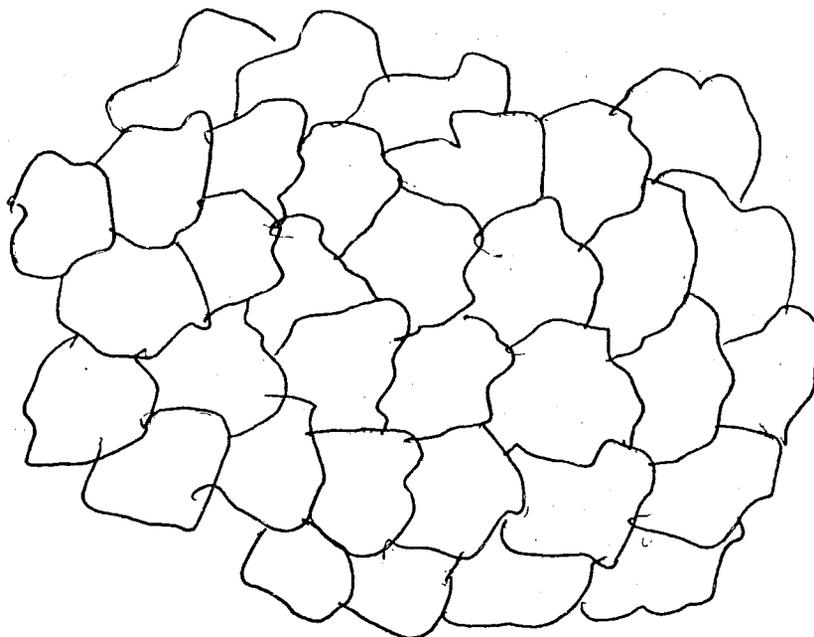
The post-demolition survey results associated with PRSs 211 and 212 (A Building decontamination shower water tanks) are provided in the PRS 211 and 212 PRS Package.

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM)	A-ANNEX	SURVEY NO.	04-TF-0163
PURPOSE:	RELEASE OF CONCRETE TO WASTE MANAGEMENT	RWP NO.	N/A
		DATE:	6-10-04
		TIME:	1430

MAP / DRAWING

COPY



* NOTE: FIDLER USED FOR INDICATION ONLY, NON-DETECTED ^{DETECTED} ~~DECT~~ ^{29A} 6-29-04
 INTEGRATED COUNT TAKEN IF ALPHA AUDIBLE DETECTED.
 NON-DETECTED ALL RESULTS

LEGEND: # = mrem/hr (γ) whole body
 #E = mrem/hr ($\beta + \eta + \gamma$) extremity on contact
 K = factor of 1000
 - - - - = radiological boundary

Δ # = mrem/hr neutron # = swipe number
 # = air sample number #/ α or β = direct contamination measurement in dpm/100 cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360	5833/5847	3-2-05
FIDLER	5872/3964	1-14-05
	N/A	

Completed by: (Signature)	HP#	Date:
<i>[Signature]</i>		6-21-04
Completed by: (Print Name)	DAVID J. HARVEY	
Counted by: (Signature)	HP#	Date:
SEE		
Counted by: (Print Name)	ATTACHED	
Reviewed/Approved by: (Signature)	HP#	Date:
<i>[Signature]</i>		6/30/04
Reviewed/Approved by: (Print Name)	R. Case	

RADIOLOGICAL SURVEY DATA SHEET

Removable Contamination				
Swipes (dpm/100cm ²)				
Sample #	β/γ	Alpha	Tritium	Comments
1-28	SEE ATTACHED	N/A	N/A	CONCRETE
N/A				

Removable Contamination				
Swipes (dpm/100cm ²)				
Sample #	β/γ	Alpha	Tritium	Comments
N/A				

COMMENTS: 2360 USED TO FIELD CHECK SMEAR PRIOR TO SENDING THEM TO COUNT LAB

NOTES:

1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for β/γ, alpha or tritium, leave column blank. Mark column N/A if not needed. If count room printout of results are attached, write "see attached" in column.
3. Annotate special sample type (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

Smear Analysis

Unit Type: LB4100/W
 Counting Unit ID: Aqua
 Data file name: SMEAR004
 Batch Ended: 6/10/04 15:37

Crosstalk correction performed.

Recalibration Date: 03/18/05
 Serial Number: 26966-1

Batch ID: HARVEY 04-TF-0163 [28] JC

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	0.00	2.01		0.30	1.76	
A2	2	0.00	2.06		0.00	1.20	
A3	3	0.00	1.95		0.00	1.20	
A4	4	0.00	1.97		0.00	1.19	
B1	5	0.00	1.97		0.00	1.17	
B2	6	0.00	2.07		6.15	3.11	
B3	7	0.00	1.86		3.29	2.69	
B4	8	0.00	1.92		3.69	2.78	
C1	9	0.00	2.08		1.47	2.47	
C2	10	0.00	2.08		3.02	2.77	
C3	11	0.00	1.98		3.56	2.68	
C4	12	0.00	1.92		1.51	2.33	
D1	13	0.00	2.14		1.03	2.12	
D2	14	1.85	2.48		2.57	2.40	
D3	15	1.35	1.91		0.00	1.18	
D4	16	1.12	2.06		0.00	1.58	
A1	17	0.00	2.01		0.30	1.76	
A2	18	0.00	2.06		0.00	1.20	
A3	19	0.00	1.98		2.55	2.41	
A4	20	3.54	2.80		2.24	2.37	
B1	21	0.00	2.02		1.57	2.60	
B2	22	0.00	2.02		1.46	2.03	
B3	23	0.00	1.81		0.00	1.21	
B4	24	0.00	1.89		0.29	1.96	
C1	25	1.69	2.14		7.49	3.72	
C2	26	0.00	2.03		0.00	1.24	
C3	27	0.00	1.94		0.00	1.20	
C4	28	0.00	1.91		0.34	2.02	

B3 of 11

DQH

DQH

3 of 3

Page 1 of 1
 DQH 6-21-04

J. Collins

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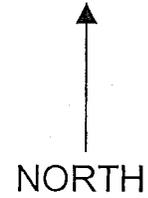
RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) A Building Annex	SURVEY NO. 04-TF-0177
PURPOSE: Debris Pile Survey of Concrete Rubble	RWP NO. None
	DATE: 6/17/04
	TIME: 13:00

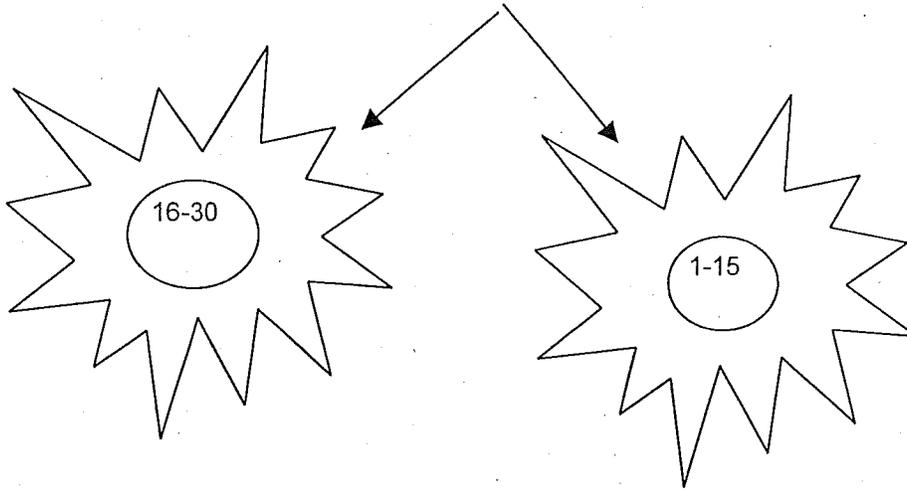
MAP / DRAWING

OSW

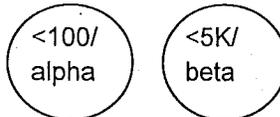
COPY



Concrete Debris



Direct scan performed. No audible count rate increase detected.
Integrated counts not required.



FIDLER used for indication only. No increase above background. Background = ~200cpm

LEGEND:
 # = mrem/hr (γ) whole body
 #E = mrem/hr ($\beta + \eta + \gamma$) extremity on contact
 K = factor of 1000
 - - - - - = radiological boundary

- mrem/hr neutron
 - swipe number
 - air sample number
 or / β - direct contamination measurement in dpm/100cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360/43-89	5705/5791	1/19/05
Bicron/Fidler	3400/3963	12/10/04
NA		

Completed by: (Signature) <i>RM Gbleritz</i>	HP#	Date: 6/21/04
Completed by: (Printed Name) RM Gbleritz		
Counted by: (Signature) <i>See attached</i>	HP#	Date:
Counted by: (Printed Name)		
Reviewed/Approved by: (Signature) <i>[Signature]</i>		Date: 6/22/04
Reviewed/Approved by: (Print Name) R. Case		

Smear Analysis

Unit Type: LB4100/W
 Counting Unit ID: Aqua
 Data file name: SMEAR014
 Batch Ended: 6/17/04 13:37

Crosstalk correction performed.

Recalibration Date: 03/18/05
 Serial Number: 26966-1

Batch ID: COBLENTZ 04-TF-0177 [30] JC

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	0.00	2.02		1.55	2.16	
A2	2	0.00	2.12		4.72	2.94	
A3	3	0.00	1.95		0.00	1.20	
A4	4	0.00	1.99		1.32	2.05	
B1	5	0.00	1.97		0.00	1.18	
B2	6	0.00	2.01		0.29	1.66	
B3	7	0.00	1.84		0.89	2.08	
B4	8	1.39	1.89		0.15	1.96	
C1	9	0.00	2.07		0.23	2.14	
C2	10	0.00	2.03		0.00	1.24	
C3	11	5.31	3.40		6.72	3.40	
C4	12	0.00	1.90		0.00	1.65	
D1	13	0.00	2.14		1.03	2.12	
D2	14	0.00	2.39		0.00	1.20	
D3	15	0.00	1.92		0.00	1.66	
D4	16	1.12	2.07		0.97	1.94	
A1	17	1.63	2.02		1.40	2.16	
A2	18	0.00	2.06		0.00	1.20	
A3	19	0.00	1.98		2.55	2.41	
A4	20	1.59	1.97		0.00	1.18	
B1	21	0.00	2.00		0.00	2.02	
B2	22	0.00	2.03		2.63	2.35	
B3	23	0.00	1.84		0.89	2.08	
B4	24	3.29	2.64		0.00	1.60	
C1	25	0.00	2.12		5.17	3.27	
C2	26	1.25	2.05		0.00	1.75	
C3	27	0.00	1.96		1.16	2.07	
C4	28	0.00	1.91		0.34	2.02	
D1	29	1.45	2.17		4.54	3.00	
D2	30	1.85	2.39		0.00	1.20	

B7 of 11

Rmc

Rmc

J. Collins

Page 3 of 4

Time: 2.00

Data Mode: DPM

Nuclide: SMGLS02

Quench Set: SMGLS02

Background Subtract: 1st Vial

	LL	UL	LCR	2S%	BKG
Region A:	0.5 - 18.6	0	0.0	5.99	
Region B:	2.0 - 18.6	0	0.0	5.73	
Region C:	40.0 - 2000	0	0.0	11.50	

Quench Indicator: tSIE/AEC

Ext Std Terminator: Count

COBLENT: 04-TF-0177 1-30 JC

Coincidence Time(ns): 18

Delay Before Burst(ns): Normal

Protocol Data Filename: C:\DATA\PROT3.dat

Count Data Filename: C:\DATA\SDATA3.DAT

S#	TIME	CPMA	CPMB	CPMC	tSIE	LUM	FLAG	DFM1	2SIGMA
-1	10.00	5.99	5.73	11.50	592.86	10	B		0.00
0	2.00	804.61	768.11	4.00	644.78	0		1509.27	133.85
1	2.00	3.01	2.43	0.00	603.15	39		5.88	8.84
2	2.00	16.20	15.28	0.00	426.55	71		39.21	16.80
3	2.00	0.00	0.00	0.00	558.09	50		0.00	0.00
4	2.00	1.38	0.97	0.00	541.67	33		2.88	8.64
5	2.00	5.12	4.21	0.00	556.08	22		10.52	10.22
6	2.00	4.38	4.10	0.00	452.33	24		10.20	11.24
7	2.00	5.51	4.47	1.50	594.52	26		10.87	9.97
8	2.00	2.51	2.55	0.00	566.26	18		5.10	8.96
9	2.00	0.24	0.50	0.00	622.81	8		0.47	7.39
10	2.00	0.00	0.00	1.00	620.42	18		0.00	0.00
11	2.00	1.01	0.77	0.00	585.04	21		2.01	8.07
12	2.00	2.53	2.79	0.00	283.54	37		8.41	14.67
13	2.00	0.00	0.00	0.00	579.05	25		0.00	0.00
14	2.00	2.51	2.01	0.00	495.95	29		5.51	9.68
15	2.00	2.01	1.77	0.00	502.45	19		4.38	9.36
16	2.00	0.00	0.00	0.00	489.42	30		0.00	0.00
17	2.00	3.01	2.88	0.00	555.03	11		6.19	9.30
18	2.00	0.00	0.00	0.00	554.23	56		0.00	0.00
19	2.00	0.18	0.44	1.50	589.65	8		0.36	7.61
20	2.00	0.51	0.58	0.00	550.53	8		1.05	8.11
21	2.00	2.01	2.02	0.00	582.21	19		4.01	8.57
22	2.00	3.66	3.41	0.00	588.15	5		7.26	9.26
23	2.00	0.51	0.11	0.00	533.08	8		1.07	8.26
24	2.00	1.01	0.00	0.00	531.50	21		2.13	8.55
25	2.00	0.00	0.00	0.00	538.87	10		0.00	0.00
26	2.00	0.00	0.00	0.00	559.58	9		0.00	0.00
27	2.00	2.49	2.59	0.00	533.88	11		5.24	9.27
28	2.00	15.02	14.86	0.00	401.44	27		37.77	16.98
29	2.00	3.01	1.65	0.00	597.75	11		5.91	8.89
30	2.00	0.51	0.27	0.00	626.99	8		0.97	7.49

RMC

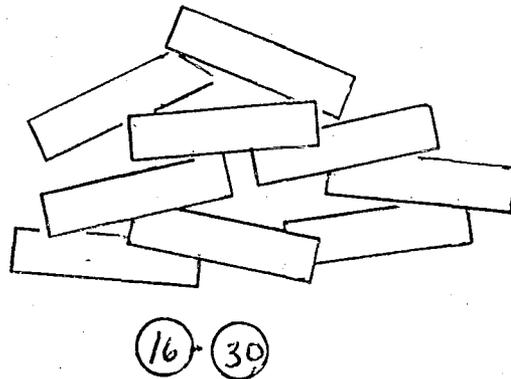
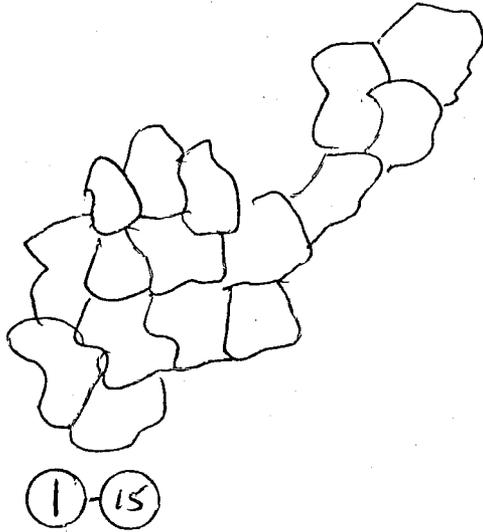
AD

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) A	SURVEY NO. 04-TF-0234
PURPOSE: Concrete released to wastemanagement	RWP NO. N/A
	DATE: 7/28/04
	TIME: 15:00

MAP / DRAWING

COPY



Scan & pause survey conducted
No clicks in required time
Integrated not required

LEGEND:
= mrem/hr (γ) whole body
#E = mrem/hr ($\beta + \eta + \gamma$) extremity on contact
K = factor of 1000
- - - - - = radiological boundary

△ # - mrem/hr neutron
□ # - air sample number
○ # - swipe number
○ #/α or β - direct contamination measurement in dpm/100cm²

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360-89	5748/5736	2/4/05
2360 Fidler	5874/3966	1/13/05
	A	
	N	

Completed by: (Signature) <i>[Signature]</i>	Date: 7/29/04
Completed by: (Printed Name) Daniel J. Harvey / Jamie M. Collins / Susan Renfro	
Counted by: (Signature) <i>[Signature]</i>	Date: 7-29-04
Counted by: (Printed Name) Attached	
Reviewed/Approved by: (Signature) <i>[Signature]</i>	Date: 7-29-04
Reviewed/Approved by: (Print Name) JRM Coblenz	

Smear Analysis

Unit Type: LB4100/W
 Counting Unit ID: Aqua
 Data file name: SMEAR008
 Batch Ended: 7/28/04 15:12

Crosstalk correction performed.

Recalibration Date: 03/18/05
 Serial Number: 26966-1

Batch ID: COLLINS 04-TF-0234 [30] JC

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	0.00	2.00		0.00	1.25	
A2	2	0.00	2.08		1.12	2.08	
A3	3	1.50	1.95		0.00	1.21	
A4	4	0.00	1.98		0.14	1.67	
B1	5	0.00	2.00		0.00	2.02	
B2	6	0.00	2.02		1.46	2.03	
B3	7	0.00	1.85		2.09	2.41	
B4	8	1.34	1.90		1.29	2.27	
C1	9	0.00	2.07		0.23	2.14	
C2	10	0.00	2.12		6.73	3.51	
C3	11	0.00	1.94		0.00	1.20	
C4	12	0.00	1.89		0.00	1.17	
D1	13	0.00	2.16		3.47	2.74	
D2	14	0.00	2.39		0.00	1.20	
D3	15	0.00	1.93		0.80	2.03	
D4	16	0.00	2.05		0.00	1.12	
A1	17	0.00	2.00		0.00	1.25	
A2	18	0.00	2.09		2.32	2.40	
A3	19	0.00	1.97		1.35	2.08	
A4	20	0.00	2.03		6.05	3.14	
B1	21	0.00	2.02		1.57	2.60	
B2	22	0.00	2.02		1.46	2.03	
B3	23	0.00	1.85		2.09	2.41	
B4	24	0.00	1.87		0.00	1.60	
C1	25	3.73	2.90		0.00	2.14	
C2	26	1.25	2.06		0.39	2.14	
C3	27	0.00	1.95		0.00	1.69	
C4	28	0.00	1.91		0.34	2.02	
D1	29	0.00	2.15		2.25	2.45	
D2	30	0.00	2.48		2.80	2.40	

B 11 of 11

J.C.

J.C.

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 7/29/04
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J. Collins

APPENDIX C

PRS Recommendation Sheets

**MIAMISBURG CLOSURE PROJECT
PRS 211/212**

RECOMMENDATION:

PRSs 211/212 are two underground tanks, situated in a concrete pit, that received waste water from the A Building Decontamination Medical Facility. An historic review found evidence to suspect only modest radiological contamination inside the tanks. Sampling of residual tank sludge provided reason to remove the tanks and associated hardware as Low Level Radioactive Waste. Additional sampling or surveys were performed of: sediment below the tanks; tank pit surfaces; tank influent, discharge, and sampling pipelines; and soils below the majority of the pipelines. Results indicate that residual contamination of these materials and sediments from the area of the tanks are below Cleanup Objectives and surface release criteria.

Therefore, sections of the tank pit that lie below grade will be abandoned in place. Associated portions of influent, sampling, and discharge pipelines that are situated below a sidewalk and close to a nearby stanchion foundation will be plugged in the pit and abandoned in place. The associated sanitary sewer pipeline, which was previously plugged at its manhole, will also be abandoned in place. Plugged lines will prevent migration of subsurface materials and infiltration of debris into the sanitary system.

The Core Team recommends No Further Assessment for PRSs 211/212.

A PRS Package with an NFA recommendation signed by the Core Team will be placed in the Public Reading Room for a 30-day review period. Upon closure of the public review comments, if any, the PRS Package will be issued as a final document and made available in the Public Reading Room.

The final Core Team recommendation sheet from this evaluation will be included in the A Building Closeout Report.

CONCURRENCE:

DOE/MCP:	<u>Paul Lucas</u>	11/17/04
	Paul Lucas, Remedial Project Manager	(date)
USEPA:	<u>Timothy J. Fischer</u>	11/17/04
	Timothy J. Fischer, Remedial Project Manager	(date)
OEPA:	<u>Brian K. Nickel</u>	11/17/04
	Brian K. Nickel, Project Manager	(date)

MOUND PLANT
PRS 241
Soil Contamination-Main Hill Parking Lot Area

RECOMMENDATION:

PRS 241 consists of the northwest parking lots, including the parking lots east of OSE building, south of GH building and the parking lot north of A Building. This PRS was created due to the Soil Gas Survey and Geophysical Investigation - Reconnaissance Sampling Report, Feb. 1993 because of several positive soil gas detections. These areas have always been and still are parking lots. No operations are known to have been performed in the parking lots east of OSE Building and north of A Building that would generate hazardous or radioactive wastes.

In 1992, reconnaissance soil gas sampling detected 8 ppb of trichloroethene (TCE) and 255 ppb toluene. These results were below calculated acceptable soil gas values. In addition, all radionuclides are at or below guideline criteria.

Therefore, NO FURTHER ASSESSMENT is recommended for PRS 241.

CONCURRENCE:

DOE/MEMP: Arthur W. Kleinrath 5/13/97
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fischer 5/13/97
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel 5/14/97
Brian K. Nickel, Project Manager (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 6/17/97 to 7/18/97

- No comments were received during the comment period.
- Comment responses can be found on page 1-2 of this package.