

3005-9912070002



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Program

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OhioEPA

# Miamisburg Closure Project CLOSEOUT REPORT

## Buildings 40 and 99

(Demolition)

Final, Rev. 1  
April 2005





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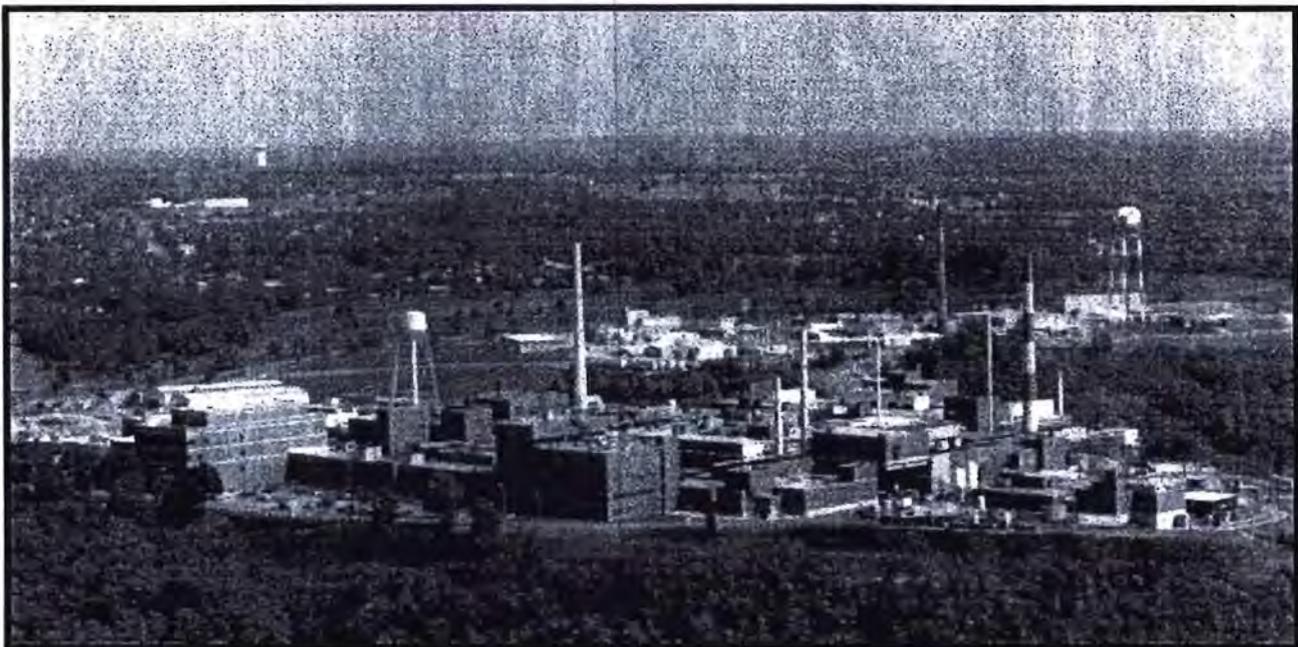
OhioEPA

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## Buildings 40 and 99

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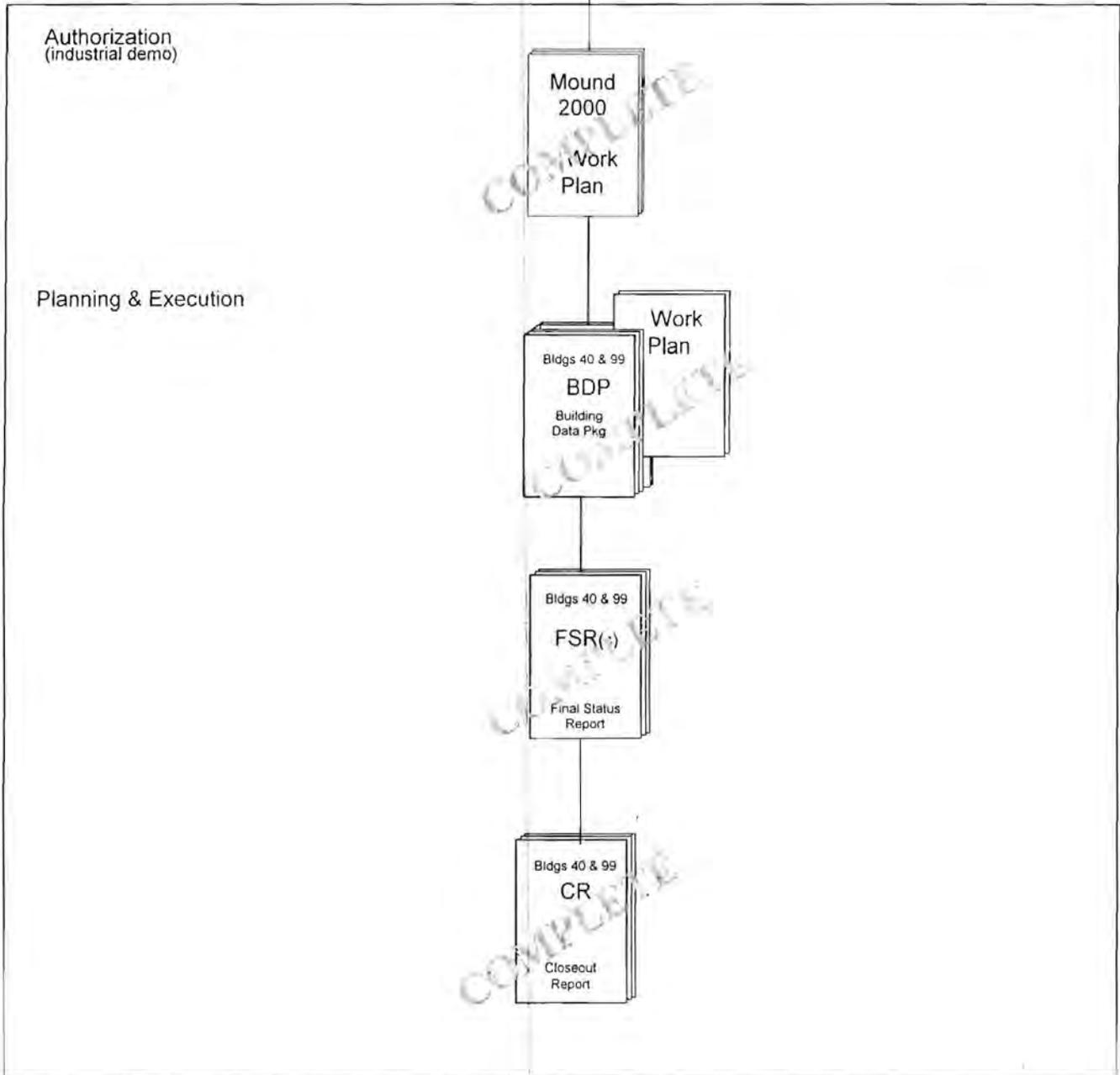
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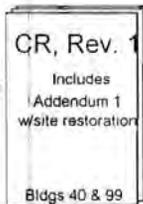
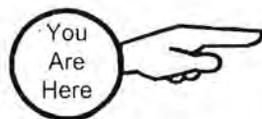
# Buildings 40 & 99



Bldgs 40 & 99



Completion

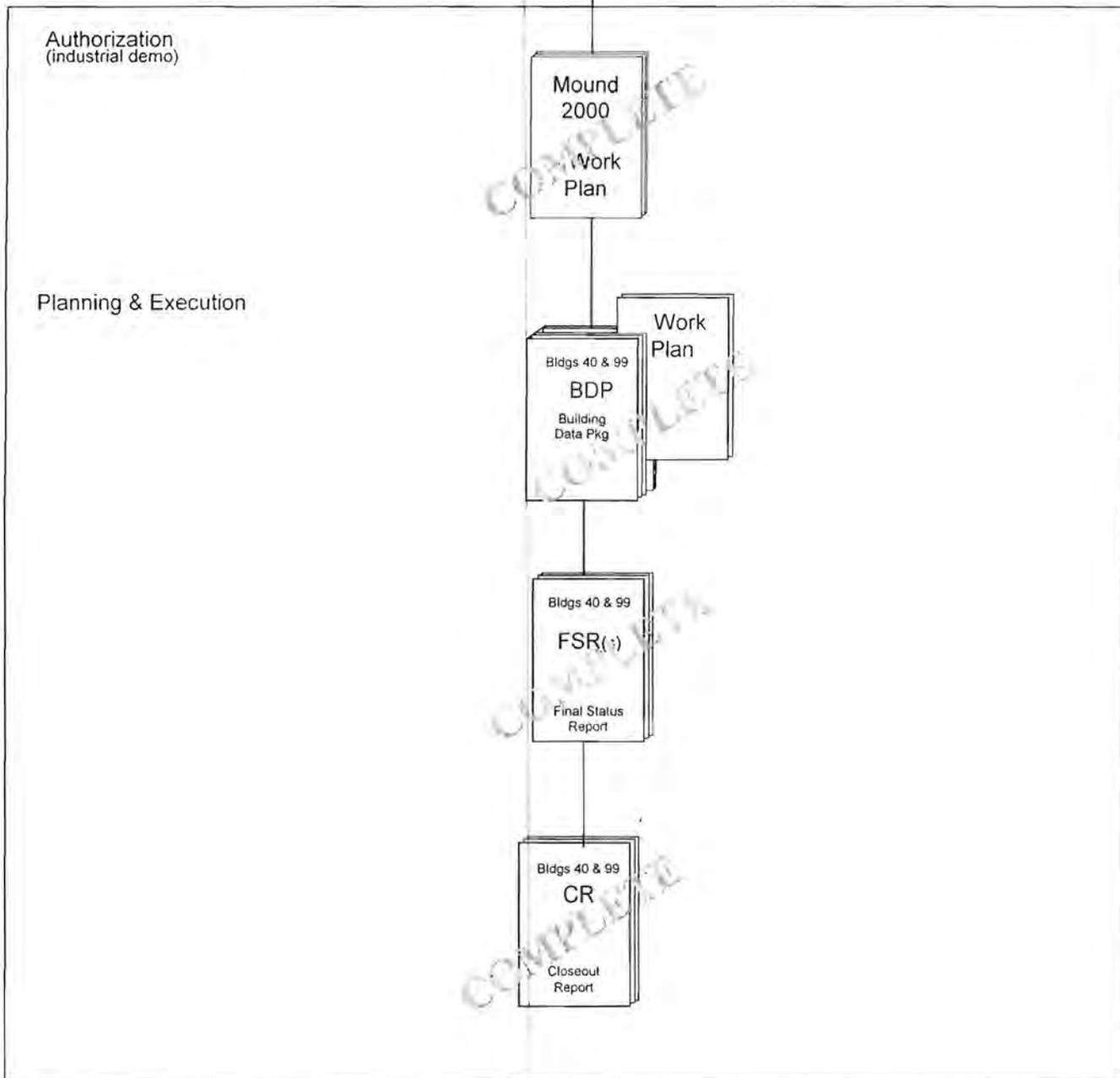


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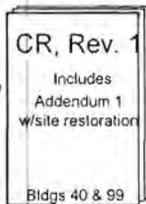
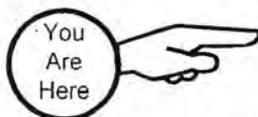
# Buildings 40 & 99



Bldgs 40 & 99



Completion



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**Revision 1 of this Closeout Report includes the  
Buildings 40, 47, 99, G, GW, and W  
Closeout Report Addendum 1 in Appendix C.**

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# TABLE OF CONTENTS

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<b>Section</b>	<b>Page</b>
1.0 Purpose .....	1
2.0 Background.....	1
2.1 Buildings 40 and 99.....	1
2.2 Potential Release Sites (PRs).....	2
3.0 Actions Taken .....	3
4.0 Problems Encountered .....	4
5.0 Resources Committed .....	4
5.1 Personnel Organization.....	4
5.2 Demolition Cost.....	5

## Tables

Table 1: PRs in Proximity to Buildings 40 and 99 .....	2
Table 2: Materials Disposition.....	3
Table 3: Personnel Organization for the Demolition .....	4
Table 4: Cluster 40 and Cluster 99 Total Costs.....	5

## Appendices

Appendix A	Figures
	Figure 1: Location of Buildings 40 and 99
	Figure 2: Buildings 40 and 99 and Vicinity
	Figure 3: Building Photos
Appendix B	Post-Final Status Survey Report Radiological Surveys
Appendix C	Buildings 40, 47, 99, G, GW, and W Closeout Report Addendum 1

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# TABLE OF CONTENTS

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<b>Section</b>	<b>Page</b>
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2.0 Background.....	1
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## **1.0 PURPOSE**

This is the final report documenting completion of the demolition of Buildings 40 and 99 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 their slabs and footers, was accomplished per the Work Package for Buildings 40 and 99 Demolition #SMPP/TFV-36035, a copy of which was included in Appendix O of the Building Data Package (BDP) for Buildings 40 and 99. The scope of work relating to these buildings is considered complete. Final site restoration will be completed after staged concrete debris has been removed.

## **2.0 BACKGROUND**

### **2.1 Buildings 40 and 99**

#### Building 40

Built in 1968, Building 40 was originally a single-story 2,560 square-foot structure. In the mid-1980s a three-story addition was built on its southern side bringing the total building size to 12,227 square feet.

The original building was constructed on footers that extended approximately 2'-8" below the base of the 6-inch floor slab; the addition was constructed on footers that were typically 3'-6" below the 6-inch floor slab. The first floor slabs were poured on a sub-base of 5 inches of gravel fill. The exterior walls were reinforced block with brick veneer. The roof structure was a steel bar joist type with a built-up membrane.

Building 40 was constructed and used as a printing services facility. The original building contained printing presses, bindry equipment, print wash equipment, graphics arts processing equipment, cameras, collators, drills, presses, cabinets, worktables, a dark room, and a vault for classified documents. The first floor of the Building 40 addition also contained printing and microfilming equipment, as well as office space. The second floor of the Building 40 addition housed the technical manuals and publication functions, and the third floor housed utility equipment. In the late 1990s, the rooms on the southern end of the first floor addition were used by the Training Department to train site radiological workers. While located in this area, the trainers erected mock radiological controlled and contamination areas that were used to train and to test Radiological Worker II students. These areas were for training purposes only, and were not involved in actual radiological operations. No research, development, or production activities using radioactive or energetic materials occurred in the building.

#### Building 99

Built in 1987, Building 99 was a four-story, 11,412 square-foot, reinforced concrete building with a built-up membrane roof. The first floor of the building was supported by a 5-inch thick reinforced concrete slab poured on a 4-inch thick (minimum) granular fill sub-base. The slab was thicker under load-bearing walls. The building was supported by concrete

footers. The base of the exterior concrete walls included a 6-inch perimeter slab that supported the brick veneer that covered the exterior of the building.

Building 99 was constructed and used as a security operations facility. The first and second floors were administrative areas for security personnel. The first floor also contained a locksmith shop. The third floor contained the site's Emergency Operations Center (EOC) and Security Communications Center. The fourth floor was a penthouse used for utility and mechanical equipment. The building was used for the same purposes since construction. 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 Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) cleanup process via the Federal Facilities Agreement (FFA)/DOE Environmental Restoration (ER) Program, DOE and site contractor tabulated all the PRSs identified under the various regulatory programs in effect at the site. Seven are located at or near Buildings 40 and 99 (Table 1). The PRS locations are shown on Figure 2, and recommendation sheets are provided in Appendix N of the BDP. None of the PRSs are associated with Buildings 40 and 99, and four have been binned No Further Assessment (NFA).

**Table 1 - PRSs in Proximity to Buildings 40 and 99**

PRS	CERCLA or Bldg. Related	Binning Status	Comments
106*	CERCLA	unbinned	G Building Soils (AKA Garage Area)
107	CERCLA	NFA	G Building Gasoline Tank (Tank 202)
108	CERCLA	NFA	G Building Gasoline Tank (Tank 203)
109	CERCLA	NFA	G Building Gasoline Tank (Tank 204)
211**	Building	unbinned	A Building Decontamination Shower Water Tank (Tank 28)
212**	Building	unbinned	A Building Decontamination Shower Water Tank (Tank 29)
332	CERCLA	NFA	G Building Waste Oil Tank (Tank 262)

\* PRS 106 - Soil samples were collected following removal of the G and GW Building slabs. Analytical results will be provided in the PRS 106 PRS Package.

\*\* 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 will be provided in the PRS 211 and 212 PRS Package.

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Building 40 was constructed and used as a printing services facility. The original building contained printing presses, bindry equipment, print wash equipment, graphics arts processing equipment, cameras, collators, drills, presses, cabinets, worktables, a dark room, and a vault for classified documents. The first floor of the Building 40 addition also contained printing and microfilming equipment, as well as office space. The second floor of the Building 40 addition housed the technical manuals and publication functions, and the third floor housed utility equipment. In the late 1990s, the rooms on the southern end of the first floor addition were used by the Training Department to train site radiological workers. While located in this area, the trainers erected mock radiological controlled and contamination areas that were used to train and to test Radiological Worker II students. These areas were for training purposes only, and were not involved in actual radiological operations. No research, development, or production activities using radioactive or energetic materials occurred in the building.

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### 3.0 ACTIONS TAKEN

The Buildings 40 and 99 BDP was submitted for simultaneous Core Team and public review on 18 August 2003, and the 30-day public review period concluded on 17 September 2003.

This Closeout Report documents the completion of the demolition and removal of Buildings 40 and 99. All preparation and demolition activities were performed, except for:

1. Removal of one foundation wall that has been delayed until after OSE Building power is redirected to allow shutdown of an adjacent electrical duct bank, and
2. Final site restoration.

A Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) study of Buildings 40 and 99 was performed prior to demolition. The study reports (provided in the Final BDP) provide details of the survey design and results and indicate that Buildings 40 and 99 met applicable surface release criteria. Post-demolition surveys showed no elevated readings (copies are provided in Appendix B).

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

The demolition of Buildings 40 and 99 commenced on 28 October 2003 and was completed on 03 March 2004. Photographs taken before, during, and after demolition are provided in Appendix A.

After building demolition, the site was used to stage clean foundation demolition rubble from various buildings. As a result of this follow-on use, final site restoration was postponed. Prior to parcel transfer the site will be cleared, graded, and seeded. Site restoration will be documented in an addendum to this closeout report.

**Table 2 - Materials Disposition**

<b>Building 40 Material</b>	<b>Quantity</b>	<b>Disposal Method</b>	<b>Destination</b>
Asbestos Abatement (Debris)	300 cubic feet	Landfill	Stoney Hollow
Construction Debris (concrete, brick, and rebar)	70,956 cubic feet	Landfill	Stoney Hollow
Polychlorinated biphenyl (PCB) Light Ballast	5.4 cubic feet	Treatment	Clean Harbors
Glycol	3,578.4 liters	Treatment	Clean Harbors

<b>Building 99 Material</b>	<b>Quantity</b>	<b>Disposal Method</b>	<b>Destination</b>
Asbestos Abatement (Debris)	100 cubic feet	Landfill	Stoney Hollow
Construction Debris (concrete, brick, and rebar)	165,564 cubic feet	Landfill	Stoney Hollow
PCB Light Ballast	5.4 cubic feet	Treatment	Clean Harbors
Glycol	3,399.8 liters	Treatment	Clean Harbors

#### **4.0 PROBLEMS ENCOUNTERED**

Buildings 40 and 99 were successfully demolished per the Work Package. As stated in Section 3.0, after building demolition, the site was used to stage clean foundation demolition rubble from various buildings. As a result of this follow-on use, final site restoration was postponed. Prior to parcel transfer the site will be cleared, graded, and seeded. Site restoration will be documented in an addendum to this closeout report.

#### **5.0 RESOURCES COMMITTED**

##### **5.1 Personnel Organization**

Table 3 lists the personnel organization for the demolition.

**Table 3 - Personnel Organization for the Demolition**

<b>Agency or Party Involved</b>	<b>Contact</b>	<b>Description of Participation</b>
US EPA (SR-6J) 77 W. Jackson Chicago, IL 60604 312-886-7058	David Seely	Federal agency responsible for MCP oversight.
Ohio EPA 410 E. Fifth Street Dayton, OH 45402-2911 937-285-6468	Brian 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.

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CH2M Hill Mound, Inc. General Superintendent and Equipment Manager P.O. Box 3030 1 Mound Road Miamisburg, OH 45343-3030 937-865-4278	Max Edington	Provided the equipment necessary for the demolition.

**5.2 Demolition Cost**

Under the new site contract, CH2M Hill Mound, Inc. has elected to cluster financial data for multiple buildings together. Building 40 is the only building in Cluster 40, and Building 99 is the only building in Cluster 99. The total cluster costs are presented in Table 4.

**Table 4 – Cluster 40 and Cluster 99 Total Costs**

**Cluster 40 Cost**

<b>Activity</b>	<b>Cost</b>
Work Planning	\$23K
Demolition	\$56K
<b>Total</b>	<b>\$79K</b>

**Cluster 99 Cost**

<b>Activity</b>	<b>Cost</b>
Work Planning	\$14K
Facility Prep	\$75K
Demolition	\$97K
<b>Total</b>	<b>\$186K</b>

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Demolition	\$97K
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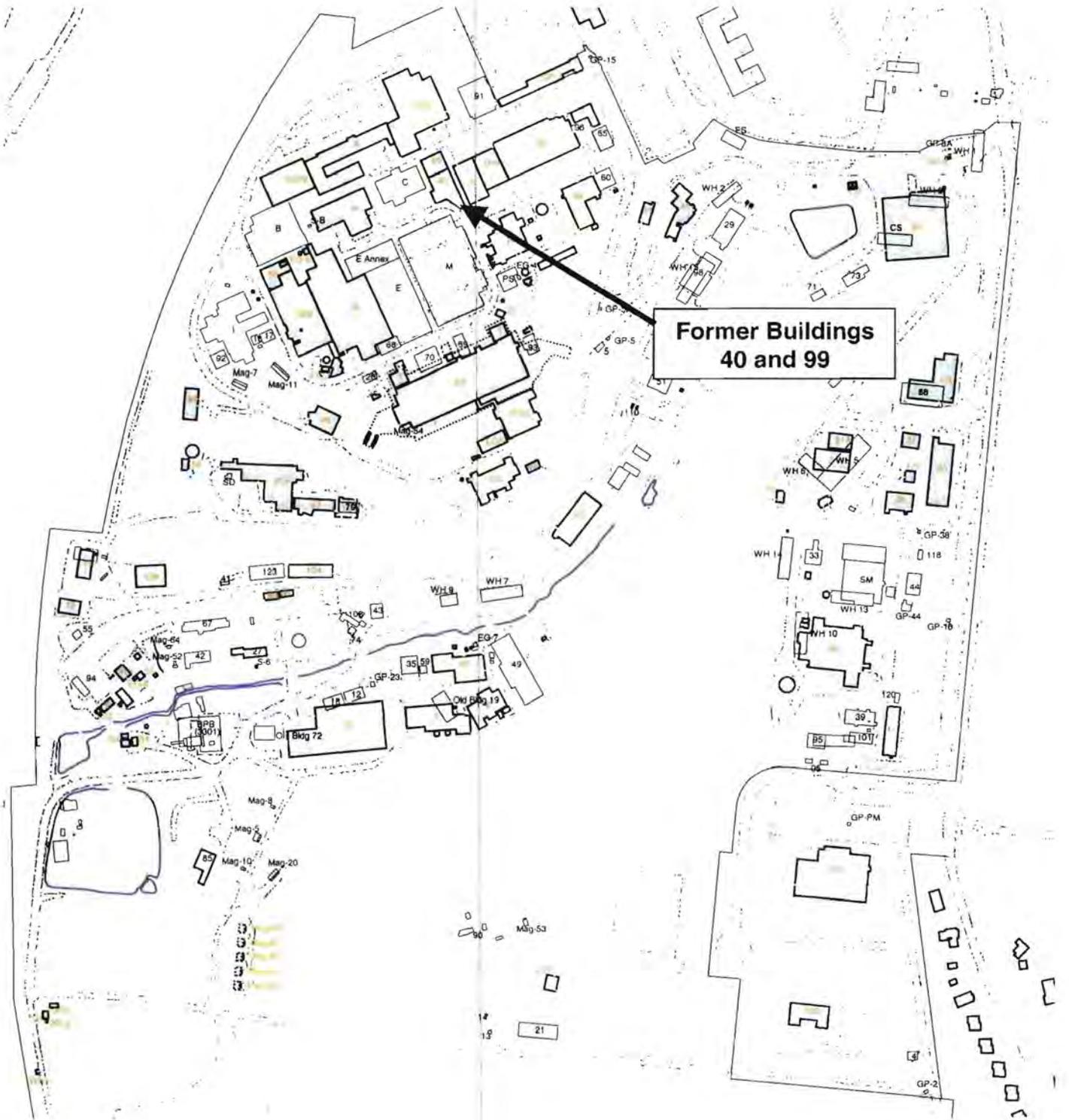
**APPENDIX A**

**Figures**

**APPENDIX A**

**Figures**

Figure 1 - Location of Buildings 40 and 99



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3

4

1

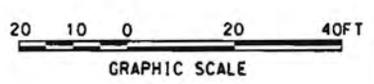
2

3

4



- 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	01																				
PART CLASSIFICATION																					
UNCLASSIFIED												vicinity.dgn				JOB NUMBER					
DWG TYPE STE / MISC ER-GIS / KACC												SCALE				SHEET 1 OF					
STATUS MD-REL -##/##/##												ORIGIN MSTATION / J									

Figure 2  
Building 40 & 99  
and Vicinity

06/14/04		SSP			
ISS	DATE	REVISION	BY	CHKD	APPD

A 2 08 5



- 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												<p><b>Figure 2</b> <b>Building 40 &amp; 99</b> <b>and Vicinity</b></p>											
UNCLASSIFIED												SCALE				DRAWING NUMBER				JOB NUMBER			
vicinity.dgn																							
DWG TYPE												STE		PNO		ER-GIS		CACC		SCALE		SHEET 1 OF	
STATUS MD-REL - **/**/**																				ORGN		MSTATION / J	

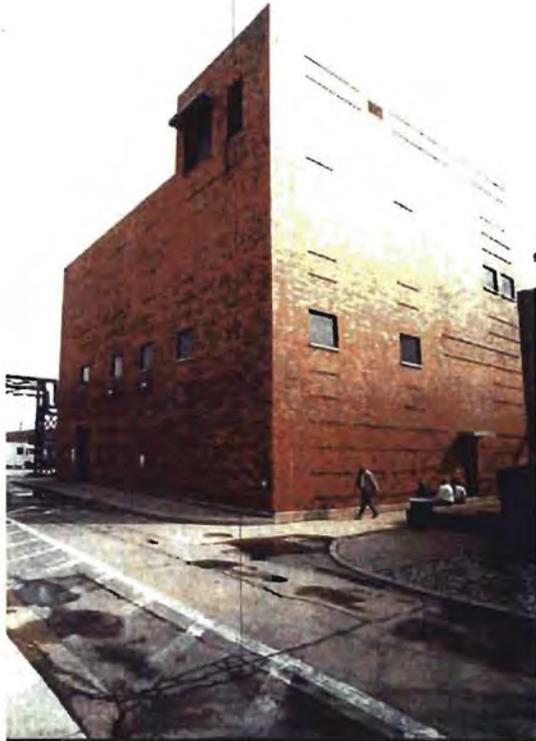
06/14/04						SSP					
ISS	DATE	REVISION	BY	CHK	DWG	UNEC	APVD				

A 2 28 5

**Figure 3 - Building Photos**



**Building 40**



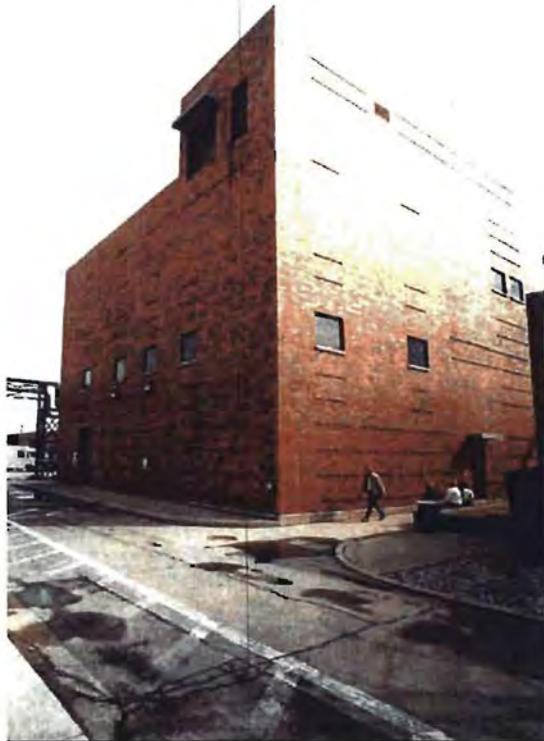
**Building 99**

A3085

**Figure 3 - Building Photos**



**Building 40**



**Building 99**

A3085



**Bldg. 40 During Demolition**



**Bldg. 99 During Demolition**



Bldg. 40 During Demolition



Bldg. 99 During Demolition

A4085



Current State of Area at Bldgs. 40 & 99

A5065



**APPENDIX B**

**Post-Final Status Survey Report  
Radiological Surveys**

**APPENDIX B**

**Post-Final Status Survey Report  
Radiological Surveys**

# RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) <b>40/99</b>	SURVEY NO. <b>04-TF-0060</b>
PURPOSE: <b>SURVEY CONCRETE FOR RELEASE TO WASTE MANAGEMENT</b>	RWP NO. <b>N/A</b>
	DATE: <b>2-16-04</b>
	TIME: <b>10:30</b>

## MAP/DRAWING

# COPY

CONCRETE SCANNED WITH 2360. NO AUDIBLE DETECTED. ALL READINGS  $< 100 \text{ dpm}/100 \text{ cm}^2 \alpha$ ,  $< 5,000 \text{ dpm}/100 \text{ cm}^2 \beta$ .

FIDLER USED FOR INDICATION ONLY. NO ELEVATED READINGS DETECTED. SEE ATTACHED SWIPE RESULTS.

LEGEND. # = mrem/hr ( $\gamma$ ) whole body  
#E = mrem/hr ( $\beta + \eta + \gamma$ ) extremity on contact

$\triangle$  # = mrem/hr neutron  
 $\square$  # = air sample number

$\circ$  # = swipe number  
 $\circ$  #/a or  $\beta$  = direct cont. measurement in dpm/100cm<sup>2</sup>

### INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360	5833/5847	3-13-04
FIDLER	5872/3904	1-14-05
<del>NA</del>		

Completed by: (Signature) <i>[Signature]</i>	HP # <b>5760</b>	Date: <b>2-16-04</b>
Completed by: (Print Name) <b>H. KEYNOLOS</b>		
Counted by: (Signature) <i>[Signature]</i>	HP #	Date:
Counted by: (Print Name) <b>ATTACHED</b>		
Reviewed/Approved by: (Signature) <i>[Signature]</i>	HP # <b>7492</b>	Date: <b>2-17-04</b>
Reviewed/Approved by: (Print Name) <b>R. Cass</b>		

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B4067

# RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) <b>40/99</b>	SURVEY NO. <b>04-TF-0060</b>
PURPOSE: <b>SURVEY CONCRETE FOR RELEASE TO WASTE MANAGEMENT</b>	RWP NO. <b>N/A</b>
	DATE: <b>2-16-04</b>
	TIME: <b>1030</b>

## MAP/DRAWING

# COPY

CONCRETE SCANNED WITH 2360. NO AUDIBLE DETECTED. ALL READINGS  $< 100 \text{ dpm}/100 \text{ cm}^2 \alpha$ ,  $< 5,000 \text{ dpm}/100 \text{ cm}^2 \beta$ .

FIDLER USED FOR INDICATION ONLY. NO ELEVATED READINGS DETECTED. SEE ATTACHED SWIPE RESULTS.

LEGEND. # = mrem/hr ( $\gamma$ ) whole body  
#E = mrem/hr ( $\beta + \gamma$ ) extremity on contact

# = mrem/hr neutron  
 # = air sample number

# = swipe number  
 #/a or/β = direct cont. measurement in dpm/100cm<sup>2</sup>

### INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360	5833/5847	3-13-04
FIDLER	5872/3964	1-14-05
<del>NA</del>		

Completed by: (Signature) <i>H. Reynolds</i>	HP # <b>5760</b>	Date: <b>2-16-04</b>
Completed by: (Print Name) <b>H. REYNOLDS</b>		
Counted by: (Signature) <i>SEE</i>	HP #	Date:
Counted by: (Print Name) <b>ATTACHED</b>		
Reviewed/Approved by: (Signature) <i>[Signature]</i>	HP # <b>7492</b>	Date: <b>2-17-04</b>
Reviewed/Approved by: (Print Name) <b>R. Case</b>		

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B4067

# RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM)	40/99 RUBBLE	SURVEY NO.	CH-TF-0065
PURPOSE: SURVEY CONCRETE FOR RELEASE TO WASTE MANAGEMENT		RWP NO.	N/A
		DATE:	2-24-04
		TIME:	1300

## MAP/DRAWING

# COPY

SCANNED CONCRETE WITH 2360. INTEGRATED READING TAKEN IF AUDIBLE DETECTED. NO AUDIBLE DETECTED. ALL DIRECT READINGS  $< 100 \text{ dpm}/100 \text{ cm}^2 - \alpha$ ,  $< 5000 \text{ dpm}/100 \text{ cm}^2 - \beta$ . FIDLER USED FOR INDICATION ONLY. NO ELEVATED READINGS DETECTED. SEE ATTACHED SWIPE RESULTS.

LEGEND: # = mrem/hr ( $\gamma$ ) whole body  
#E = mrem/hr ( $\beta + \eta + \gamma$ ) extremity on contact

# = mrem/hr neutron

# = air sample number

# = swipe number

#/ $\alpha$  or  $\beta$  = direct cont. measurement in  $\text{dpm}/100 \text{ cm}^2$

### INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360	5833/5847	3-13-04
FIDLER	5872/3964	1-14-05
N/A		

ML-9620 (2-98)

BS087

Completed by: (Signature)	HP #	Date:
<i>H. W. Reynolds</i>	5760	2-27-04
Completed by: (Print Name)		
H.W. REYNOLDS		
Counted by: (Signature)	HP #	Date:
SEE		
Counted by: (Print Name)		
ATTACHED		
Reviewed/Approved by: (Signature)	HP #	Date:
<i>[Signature]</i>	7492	2-26-04
Reviewed/Approved by: (Print Name)		
F. Case		

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm <sup>2</sup> )				
Sample #	Beta	Alpha	Tritium	Comments
1-15	SEE ATTACHED	N/A	N/A	CONCRETE
N/A				

Removable Contamination				
Swipes (dpm/100cm <sup>2</sup> )				
Sample #	Beta	Alpha	Tritium	Comments
N/A				

COMMENTS: SWIPES SCREENED WITH 2360 BEFORE SENDING TO COUNT ROOM.

NOTES:

1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for beta, 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 types (e.g., soil, water), special identifiers or otherwise in Comments. If needed, mark N/A.

# RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM)	40/99 RUBBLE	SURVEY NO.	CH-TF-0065
PURPOSE: SURVEY CONCRETE FOR RELEASE TO WASTE MANAGEMENT		RWP NO.	N/A
		DATE:	2-24-04
		TIME:	1300

## MAP/DRAWING

# COPY

SCANNED CONCRETE WITH 2360. INTEGRATED READING TAKEN IF AUDIBLE DETECTED. NO AUDIBLE DETECTED. ALL DIRECT READINGS  $< 100 \text{ dpm}/100 \text{ cm}^2 - \alpha$ ,  $< 5,000 \text{ dpm}/100 \text{ cm}^2 - \beta$ . FIDLER USED FOR INDICATION ONLY. NO ELEVATED READINGS DETECTED. SEE ATTACHED SWIPE RESULTS.

LEGEND: # = mrem/hr ( $\gamma$ ) whole body  
#E = mrem/hr ( $\beta + \eta + \gamma$ ) extremity on contact

# = mrem/hr neutron  
 # = air sample number

# = swipe number  
 #/alpha or beta = direct cont. measurement in  $\text{dpm}/100 \text{ cm}^2$   
2-25-04

### INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
2360	5833/5847	3-13-04
FIDLER	5872/3964	1-14-05
	N/A	

Completed by: (Signature)	HP #	Date:
<i>H. W. Reynolds</i>	5760	2-24-04
Completed by: (Print Name)		
H. W. REYNOLDS		
Counted by: (Signature)	HP #	Date:
SEE		
Counted by: (Print Name)		
ATTACHED		
Reviewed/Approved by: (Signature)	HP #	Date:
<i>R. Case</i>	7492	2-26-04
Reviewed/Approved by: (Print Name)		
R. Case		

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm <sup>2</sup> )				
Sample #	Beta	Alpha	Tritium	Comments
1-15	SEE ATTACHED	N/A	N/A	CONCRETE
N/A				

Removable Contamination				
Swipes (dpm/100cm <sup>2</sup> )				
Sample #	Beta	Alpha	Tritium	Comments
N/A				

COMMENTS: SWIPES SCREENED WITH Z360 BEFORE SENDING TO COUNT ROOM.

NOTES:

1. See MD-80036 10002 for calculations of WB, extremity and skin dose rates.
2. To request RO Count Room analysis for beta, 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: SMEAR009  
 Batch Ended: 2/24/04 11:26

Crosstalk correction performed.

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

Batch ID: REYNOLDS 04-TF-0065 (P3) JC

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	$\sigma$	Flags	DPM	$\sigma$	Flags
A1	1	1.63	2.02		1.40	2.16	
A2	2	0.00	2.08		1.12	2.08	
A3	3	0.00	1.96		0.15	1.70	
A4	4	0.00	2.00		2.50	2.37	
B1	5	0.00	2.01		0.40	2.33	
B2	6	0.00	2.05		3.81	2.63	
B3	7	0.00	1.88		5.70	3.19	
B4	8	0.00	1.91		2.55	2.54	
C1	9	0.00	2.07		0.23	2.14	
C2	10	0.00	2.07		1.78	2.48	
C3	11	1.46	1.94		0.00	1.20	
C4	12	0.00	1.89		0.00	1.17	
D1	13	1.45	2.11		0.00	1.23	
D2	14	0.00	2.51		4.00	2.69	
D3	15		1.96			2.88	

B 207

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# Smear Analysis

Unit Type: LB4100/W  
 Counting Unit ID: Aqua  
 Data file name: SMEAR009  
 Batch Ended: 2/24/04 11:26

Crosstalk correction performed.

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

Batch ID: REYNOLDS 04-TF-0065 [15] JC

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	$\sigma$	flags	DPM	$\sigma$	flags
A1	1	1.63	2.02		1.40	2.16	
A2	2	0.00	2.08		1.12	2.08	
A3	3	0.00	1.96		0.15	1.70	
A4	4	0.00	2.00		2.50	2.37	
B1	5	0.00	2.01		0.40	2.33	
B2	6	0.00	2.05		3.81	2.63	
B3	7	0.00	1.88		5.70	3.19	
B4	8	0.00	1.91		2.55	2.54	
C1	9	0.00	2.07		0.23	2.14	
C2	10	0.00	2.07		1.78	2.48	
C3	11	1.46	1.94		0.00	1.20	
C4	12	0.00	1.89		0.00	1.17	
D1	13	1.45	2.11		0.00	1.23	
D2	14	0.00	2.51		4.00	2.69	
D3	15	0.00	1.96		1.78	2.88	

137477

*JR*

*JR*

*J. Collins*

**APPENDIX C**

**Buildings 40, 47, 99, G, GW, and W  
Closeout Report Addendum 1**

**APPENDIX C**

**Buildings 40, 47, 99, G, GW, and W  
Closeout Report Addendum 1**

Buildings 40, 47, 99, G, GW, and W

Closeout Report

Addendum 1

April 2005

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Buildings 40, 47, 99, G, GW, and W

Closeout Report

Addendum 1

April 2005

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## **PURPOSE**

The purpose of this addendum is to document the removal of the remaining foundation wall associated with the demolition of Buildings 40 and 99, and to document the final site restoration associated with the demolition of Buildings 40, 47, 99, G, GW, and W.

## **REFERENCES**

- 1) Buildings 40 and 99 Closeout Report, Final, June 2004
- 2) Building 47 Closeout Report, Final, May 2004
- 3) Buildings G, GW, W Closeout Report, Final, January 2005

## **BACKGROUND**

Section 3.0 of Reference 1 states that all preparation and demolition activities associated with the demolition and removal of Buildings 40 and 99 were complete except for the removal of one foundation wall that was delayed until after OSE Building power was redirected to allow shutdown of an adjacent electrical duct bank.

Section 3.0 of References 1, 2, and 3 states that all preparation and demolition activities associated with the demolition and removal of Buildings 40, 47, 99, G, GW, and W were complete except for the final site restoration. After the buildings were demolished, the site was used to stage clean foundation demolition rubble from various buildings. As a result of this follow-on use, final site restoration was postponed.

## **ACTION TAKEN**

The remaining foundation wall of Buildings 40 and 99 was removed after power to OSE Building was redirected, allowing the shutdown of an adjacent electrical duct bank.

Site restoration was completed for the site of the former Buildings 40, 47, 99, G, GW, and W. Contract No. DE-AC24-03-OH20152, Section C.2.1.1.6 was modified by Letter MCP-025-05, dated October 27, 2004, authorizing the use of a crushed gravelized finished surface in lieu of seeding for this area.

A photograph taken after removal of the foundation wall and after completion of site restoration is provided in Appendix A.

## **DEMOLITION COST**

Under the new site contract, CH2M Hill Mound, Inc. has elected to cluster financial data for multiple buildings together. Buildings G, GW, W, and 47 are identified as Cluster W. Building 40 is the only building in Cluster 40, and Building 99 is the only building in Cluster 99. The total costs for Clusters 40, 99, and W are presented in Table 1.

**Table 1 – Clusters 40, 99, and W Total Costs**

**Cluster 40 Cost**

<b>Activity</b>	<b>Cost</b>
Work Planning	\$23K
Demolition	\$57K
Total	\$80K

**Cluster 99 Cost**

<b>Activity</b>	<b>Cost</b>
Work Planning	\$14K
Facility Prep	\$78K
Demolition	\$115K
Total	\$207K

**Cluster W Cost**

<b>Activity</b>	<b>Cost</b>
Work Planning	\$44,000
Facility Prep	\$359,000
Demolition	\$225,000
Total	\$628,000

## **PURPOSE**

The purpose of this addendum is to document the removal of the remaining foundation wall associated with the demolition of Buildings 40 and 99, and to document the final site restoration associated with the demolition of Buildings 40, 47, 99, G, GW, and W.

## **REFERENCES**

- 1) Buildings 40 and 99 Closeout Report, Final, June 2004
- 2) Building 47 Closeout Report, Final, May 2004
- 3) Buildings G, GW, W Closeout Report, Final, January 2005

## **BACKGROUND**

Section 3.0 of Reference 1 states that all preparation and demolition activities associated with the demolition and removal of Buildings 40 and 99 were complete except for the removal of one foundation wall that was delayed until after OSE Building power was redirected to allow shutdown of an adjacent electrical duct bank.

Section 3.0 of References 1, 2, and 3 states that all preparation and demolition activities associated with the demolition and removal of Buildings 40, 47, 99, G, GW, and W were complete except for the final site restoration. After the buildings were demolished, the site was used to stage clean foundation demolition rubble from various buildings. As a result of this follow-on use, final site restoration was postponed.

## **ACTION TAKEN**

The remaining foundation wall of Buildings 40 and 99 was removed after power to OSE Building was redirected, allowing the shutdown of an adjacent electrical duct bank.

Site restoration was completed for the site of the former Buildings 40, 47, 99, G, GW, and W. Contract No. DE-AC24-03-OH20152, Section C.2.1.1.6 was modified by Letter MCP-025-05, dated October 27, 2004, authorizing the use of a crushed gravelized finished surface in lieu of seeding for this area.

A photograph taken after removal of the foundation wall and after completion of site restoration is provided in Appendix A.

## **DEMOLITION COST**

Under the new site contract, CH2M Hill Mound, Inc. has elected to cluster financial data for multiple buildings together. Buildings G, GW, W, and 47 are identified as Cluster W. Building 40 is the only building in Cluster 40, and Building 99 is the only building in Cluster 99. The total costs for Clusters 40, 99, and W are presented in Table 1.

**Table 1 – Clusters 40, 99, and W Total Costs**

**Cluster 40 Cost**

<b>Activity</b>	<b>Cost</b>
Work Planning	\$23K
Demolition	\$57K
<b>Total</b>	<b>\$80K</b>

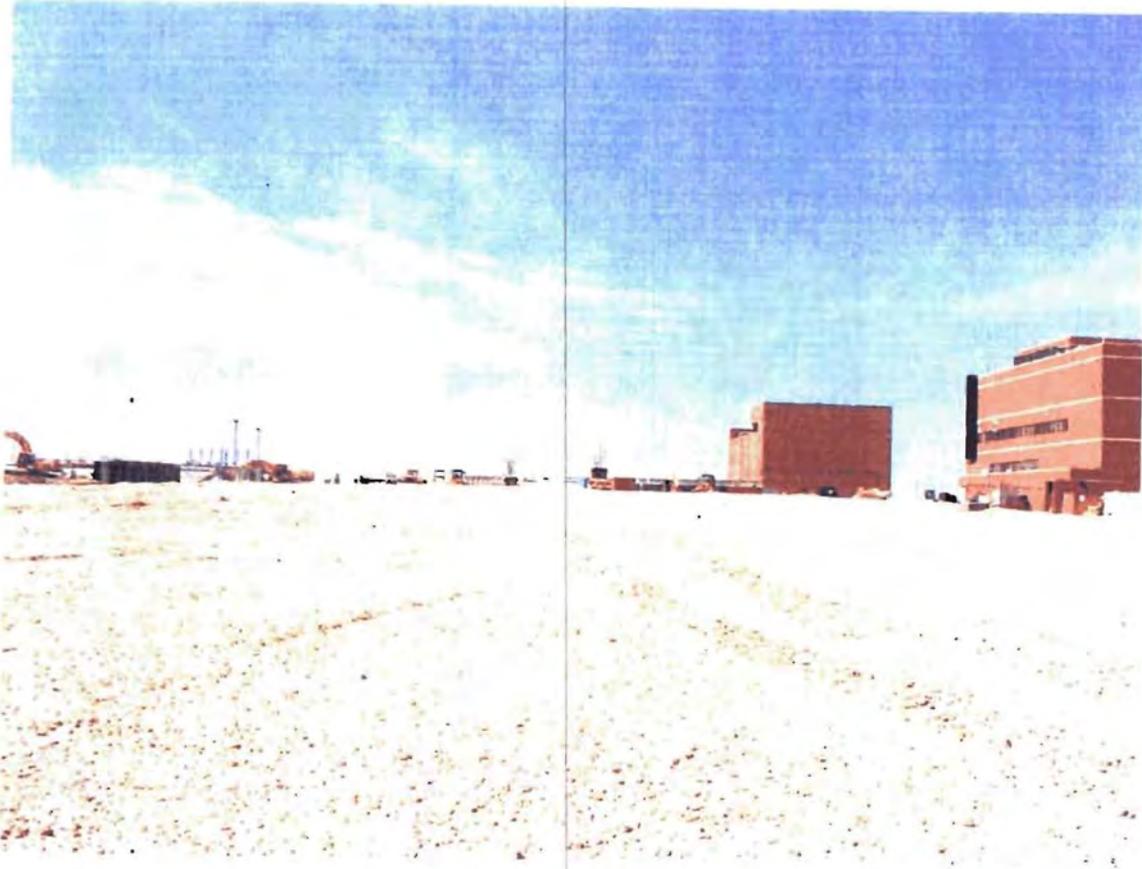
**Cluster 99 Cost**

<b>Activity</b>	<b>Cost</b>
Work Planning	\$14K
Facility Prep	\$78K
Demolition	\$115K
<b>Total</b>	<b>\$207K</b>

**Cluster W Cost**

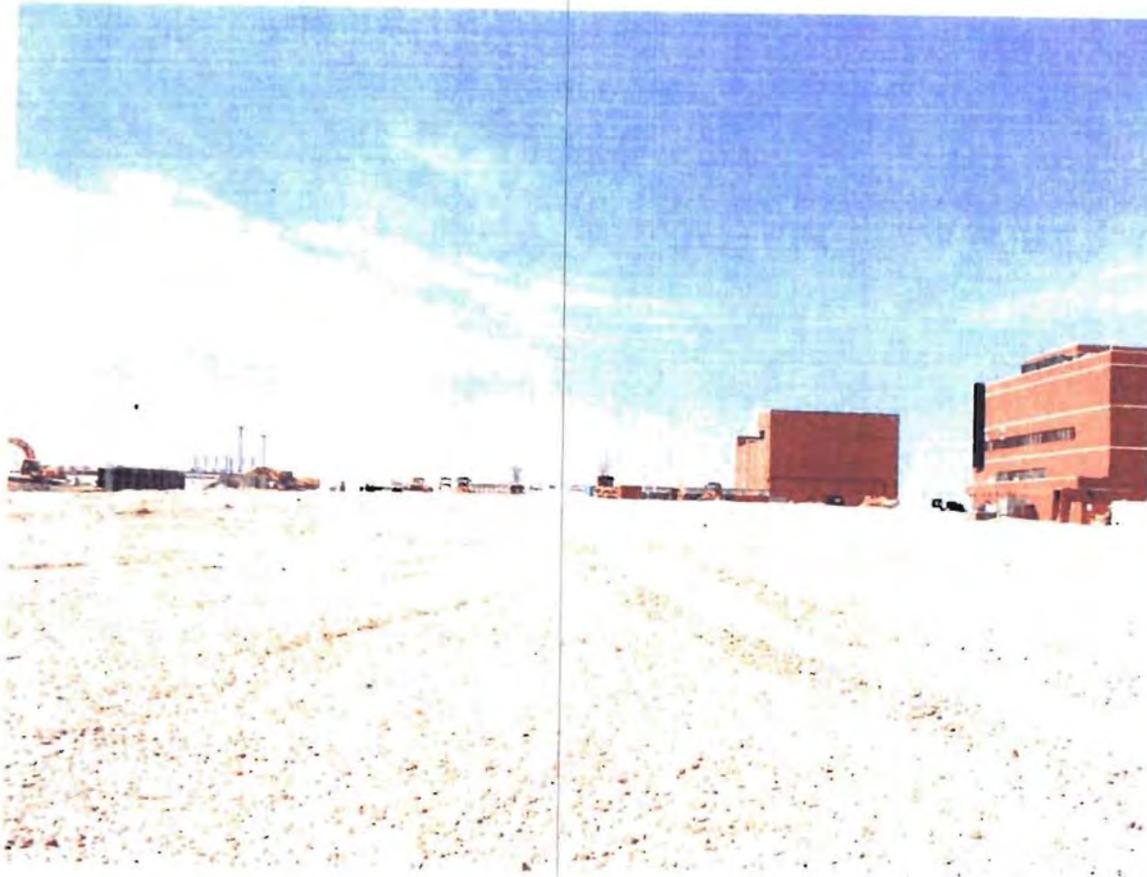
<b>Activity</b>	<b>Cost</b>
Work Planning	\$44,000
Facility Prep	\$359,000
Demolition	\$225,000
<b>Total</b>	<b>\$628,000</b>

## Appendix A



**Building 40, 47, 99, G, GW, and W Area After Final Grade  
(view looking west)**

## Appendix A



**Building 40, 47, 99, G, GW, and W Area After Final Grade  
(view looking west)**