3006-0604270013

CH2M HILL
Mound, Inc.
1 Mound Road
P.O. Box 3030
Miamisburg, OH
45343-3030

CH2MHILL

ER/WM-082/05
February 22, 2005

Ms. Margaret L. Marks, Director
Miamisburg Closure Project
U. S. Department of Energy
1075 Mound Road
Miamisburg, OH 45342

ATTENTION: Paul Lucas

SUBJECT: Contract No. DE-AC24-03OH20152
Statement of Work Requirement 055 - Regulator Reports
BUILDING 72 CLOSEOUT REPORT, FINAL

Dear Ms. Marks:

Attached is the following Final document for your records:

- Building 72 Closeout Report, Final

If you or members of your staff have any questions regarding the document, or if additional support is needed, please contact me at 937-865-4203.

Sincerely,

David A. Rakel
CERCLA Lead

DAR/ms

Enclosures

cc: Tim Fischer, USEPA, (1) w/attachments
Brian Nickel, OEPA, (1) w/attachments
Ruth Vandegrift, ODH, (1) w/attachments
Mary Wojciechowski, Tetra Tech, (1) w/attach
Frank Schmaltz, DOE/MCP, (1) w/attachments
Lisa Rawls, MCP, w/o attachments
Randy Tormey, DOE/OH, (1) w/attachments
Git Desai, DOE/HQ, (1) w/attachments
Frank Bullock, MMCIC, (2) w/attachments
Public Reading Room, (4) w/attachments
Rick Hersemann, Tetra Tech (1) w/attachs
CERCLA Records, CH2M Hill, (1) w/attachs
Chris Watson, CH2M Hill, (1) w/attachs
ER Records, CH2M Hill, (1) w/attachs
DCC (1) w/attachments
John Lehew, CH2M Hill, w/o attachments
Dave Rakel, CH2M Hill, w/o attachments
Val Darnell, CH2M Hill, w/o attachments
Bo Wier, CH2M Hill, w/o attachments
file

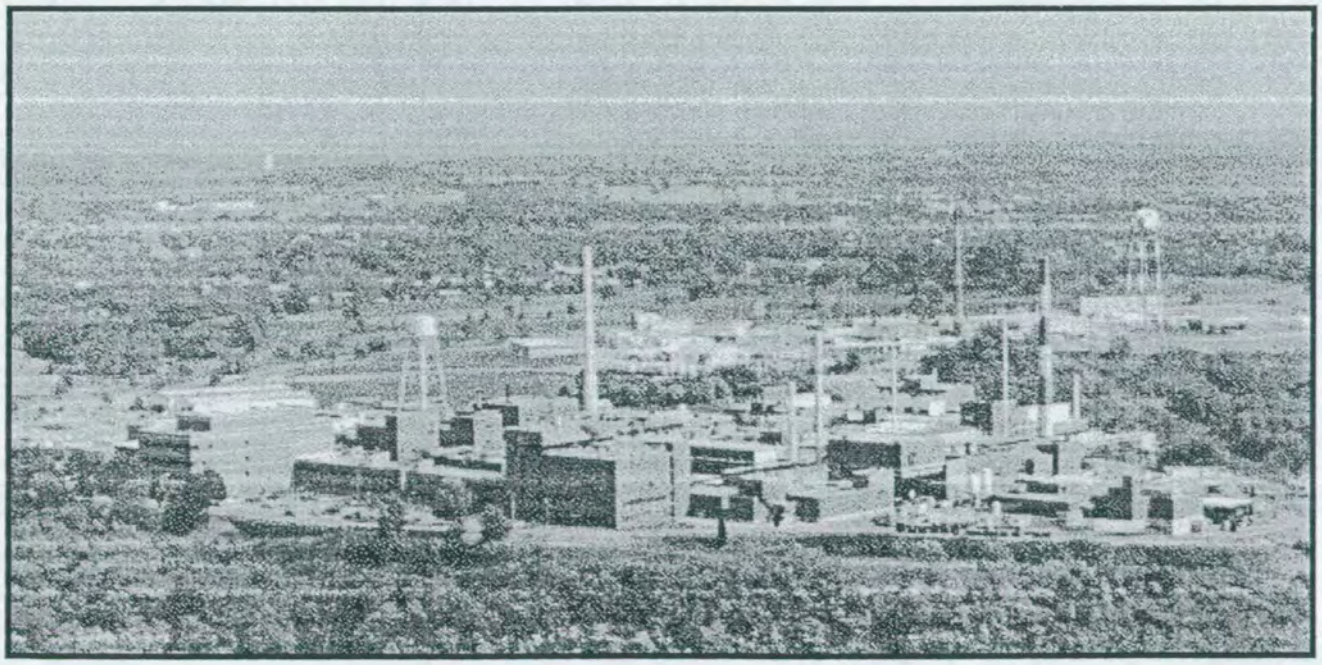
3006-060427 0013

Environmental
Restoration
Program

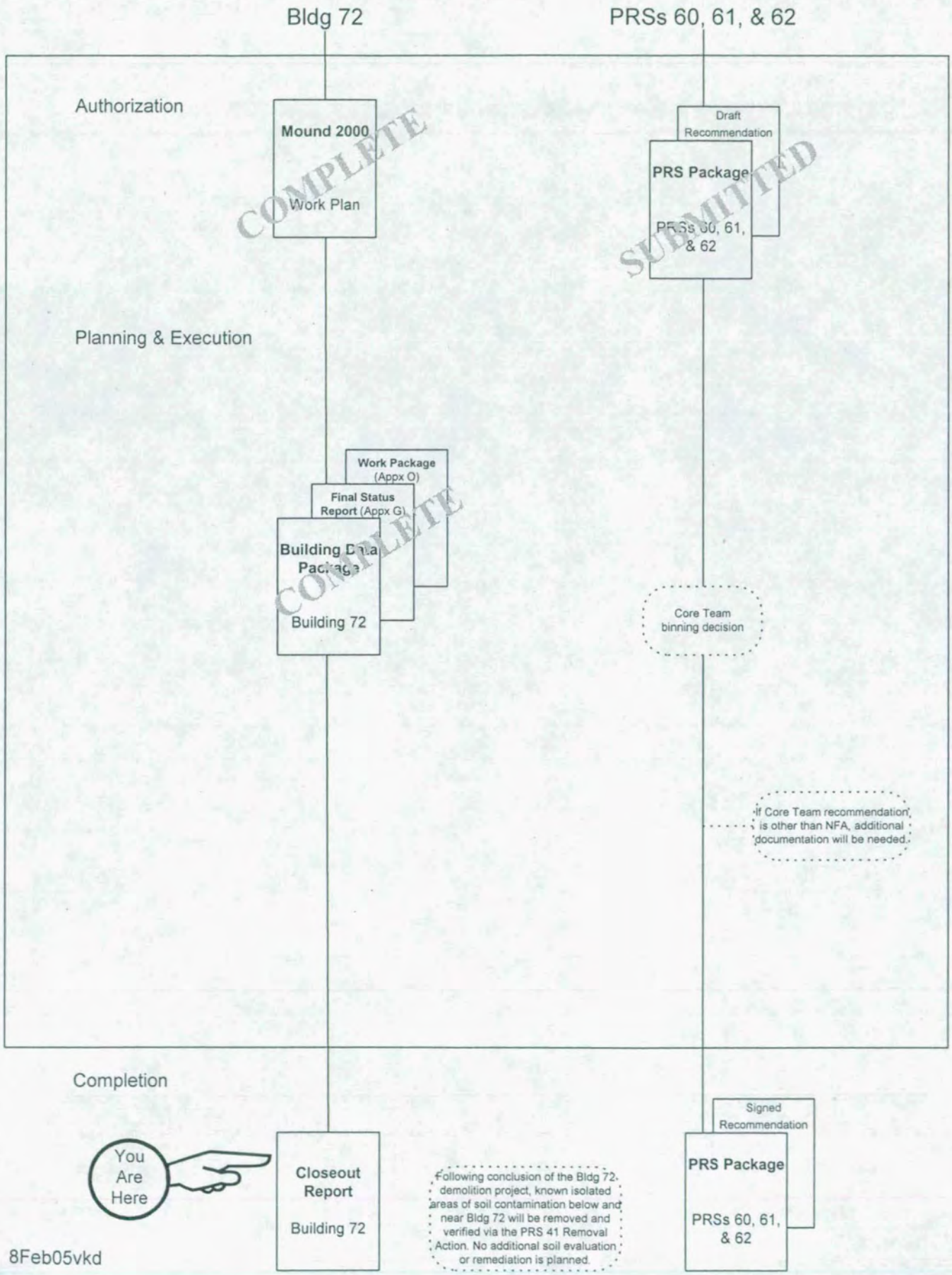
Miamisburg Closure Project
CLOSEOUT REPORT

Building 72
(Demolition)

Final
February 2005



Building 72 and PRSs 60, 61, & 62



8Feb05vkd

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Appendix B Post-Final Status Survey Report Radiological Surveys

Appendix C PRS Recommendation Sheets

1.0 PURPOSE

This is the final report documenting completion of the demolition of Building 72 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 water sampling station, safety shower enclosure, abandoned truck trailers, slab, asphalt pad area around building, fencing, secondary curbing, and foundation/footers to three feet below grade was accomplished per the Work Package for Building 72 Demolition #BOSS-38226. A copy of the Work Package was included in Appendix O of the Building Data Package (BDP) for Building 72. The scope of work relating to this building is considered complete. Final site restoration will be performed as part of the PRS 41 Removal Action activities.

2.0 BACKGROUND

2.1 Building 72

The Building 72 structure, designated as PRS 60, was constructed as a hazardous waste storage facility in 1984 using part of the framing from a previous "Building 72" structure. The former hazardous waste storage facility underwent RCRA closure in 2003.

The building was a 40-foot (ft) x 60-ft pre-engineered building constructed over an 8-inch (in.) thick concrete slab. The concrete slab was developed from a series of joint-free, monolithic pours to form three 20-ft x 40-ft diked bay areas. The concrete base of each bay was sloped to a catch basin (sump) located in the center of each bay area to collect any container leaks or spills. There were no piping or drains associated with the bays or catch basins. A fourth (5 ft X 16 ft) diked bay for explosive materials was located along the west wall of the building. It had a separate catch basin in its lowest corner. Masonry block walls that served as an explosion barrier for this area were built on the dikes surrounding this bay.

The base and curbs of the Building 72 structure were constructed from Type I Portland cement reinforced with 6 x 6, W4 x W4 welded wire mat. Superstructure column piers were poured separately from the monolithic slab and were isolated from the slab with expansion joint material. Vertical steel I-beams, anchored at the base, supported the standing seam steel roof. Two I-beams running east-west (attached below the roof's structural steel) served as the support rails for a bridge-mounted 1,000-pound capacity hoist. The roof was insulated with 4 in., plastic faced, fiberglass insulation. The roof was sloped for drainage.

As constructed, the monolithic slab and curbing was sealed with an ASTM C309 Type I membrane-forming concrete curing compound. The floor was further sealed with a multilayered topping consisting of a primer applied to the surface, a silica-filled vinyl ester base coat, a fiberglass reinforcing mat, and a silica-filled topcoat to provide a total coating thickness of 125 mils. This floor topping was applied to enhance the chemical resistance of these containment members.

Waste containers were stored on galvanized steel grating that was supported above the base of the containment system by tubular steel framing that spanned the length of each bay. The

steel grate was also isolated from the monolithic curb, which insured that the stored containers did not come into contact with the base.

Surrounding the building was a 2-in. thick asphalt pad extending to a secondary containment concrete curb and fencing. The asphalt pad area was larger on the east side of the building to facilitate short-term container storage. North of the building was a hydraulic lift for off-loading drums from truck bed height to the building's deck level. The lift's hydraulic pump and reservoir were located inside the building. Four storm drains were located within the secondary curb and were tied into the site's storm sewer system. Additionally, two roof drain downspouts on the building's south side were tied into the storm sewer.

Building 72 Eye Wash/Safety Shower Enclosure

A Thermaflow Plus combination eyewash and safety shower enclosure was located outside on the north side of the building. The enclosure was constructed of fire-retardant fiberglass and urethane foam walls, with a yellow chemical-resistant UV inhibited Gelcote finish. The enclosure drained to the asphalt pad (thus, into the storm drain system) on the north side of the building.

Water Sampling Station

A water sampling station, unrelated to Building 72, was also demolished as part of the Building 72 demolition activities. This structure was a 30 sq.-ft., factory assembled, PAR-KUT Model 65 booth located approximately 20 feet to the south of Building 72. The booth was sited on top of an open manhole and was used to monitor the plant sanitary outfall pipeline.

None of the above mentioned structures were contaminated with either radiological or energetic materials.

Utilities

Building 72 had electrical service of 240 Volts and was supplied with service water only (supplied also to the safety shower enclosure). The building had no heating or cooling. There was no fire sprinkler system or sanitary services to the building. There were four storm sewer system drains, with grates; located approximately at each corner of the asphalt pad surrounding the building.

The water sampling station had electrical service of 240 Volts. The structure had electric baseboard heaters and an air conditioner (wall-mounted) to supply cooling. The structure had no fire sprinkler system, service water, or sanitary services.

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, six are at or near Building 72, as identified in Table 1. The PRS locations are shown in Appendix A, Figure 2 and recommendation sheets are provided in Appendix A.

Table 1: PRSs in Proximity to Building 72

PRSs in Proximity to Building 72

PRS	CERCLA or Bldg. Related	Binning Status	Comments
7	CERCLA	FA	Underground plant sanitary outfall pipeline.
41	CERCLA	RA	Area 3, Thorium Drum Storage and Redrumming Area.
60	Building	Unbinned	Hazardous Waste Storage Area (Building 72).
61	Building	Unbinned	Building 72 Outdoor Hazardous Waste Storage Area.
62	Building	Unbinned	Building 72 Empty Drum Storage Area.
63	CERCLA	NFA	Building 19 soils

Note: PRSs 60, 61, and 62 have not yet been binned by the Core Team. A PRS package will be provided to the Core Team for evaluation and binning.

3.0 ACTIONS TAKEN

The Building 72 BDP was submitted for simultaneous Core Team and public review on 27 October 2004, and the 30-day public review period concluded on 28 November 2004.

Demolition of Building 72 commenced on 03 December 2004. Demolition activities (including safety shower enclosure, water sampling station, abandoned truck trailers (adjacent to the Building 72 site), Building 72 superstructure, slab, foundation/footers, and asphalt pad) and site regrading were completed on 15 December 2004. Final site restoration will be performed as part of the PRS 41 Removal Action activities. Photographs taken before, during, and after demolition are provided in Appendix A.

A Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) study of Building 72 was performed prior to demolition. The study reports (provided in Appendix G of the Final BDP) provide details of the survey design and results and indicate that Building 72 met applicable surface release criteria.

During the demolition of the slab, foundation walls, footers, and asphalt pad surrounding Building 72; radiological screening was performed on concrete/asphalt surfaces in contact with soils. Radiological screening was also performed on the demolished abandoned truck trailers. Following demolition of the Building 72 structure, slab, foundation/footers, asphalt pad, and debris removal, Radiological Control performed a walkover survey of the exposed soil surface area of the building. No other post-demolition surveys were required to be performed because no contamination was found on Building 72 surfaces prior to demolition and no elevated levels were detected during radiological screening of concrete surfaces in

contact with soils or during the walkover survey. The results of radiological surveys, performed after the Building 72 demolition activities, are provided in Appendix B.

Non-concrete debris was recycled. Concrete debris was loaded into haulers and taken to a staging area for processing by the concrete crusher. Processed concrete debris will be used as on-site fill material.

This Closeout Report documents the completion of the demolition and removal of Building 72. All preparation and demolition activities were performed in accordance with the detailed work plan.

Table 2: Materials Disposition

Building 72 Material	Quantity	Disposal Method	Destination
Clean Hard Fill Debris (concrete) Slab	45 cubic yards	Reused Onsite	Concrete Crusher
Scrap Metals/Debris	450 cubic yards	Recycle	Metal Shredders

4.0 PROBLEMS ENCOUNTERED

Building 72 was successfully demolished per the Work Package. No problems were encountered during demolition activities and no soil staining or unusual fumes/odors were noted during slab/foundation excavations.

5.0 RESOURCES COMMITTED

5.1 Personnel Organization

Table 3 lists the personnel organization for the demolition.

Table 3: 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	Timothy Fischer	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.

Table 3: Personnel Organization for the Demolition

Agency or Party Involved	Contact	Description of Participation
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. Cluster 124 includes Building 72 and Building 124. As a result, cost data for individual building demolitions are not available. When Cluster 124 is completed (after the demolition of Building 124), the total cost for the cluster will be reported in the On-Scene Coordinator Report for Building 124.

APPENDIX A

Figures

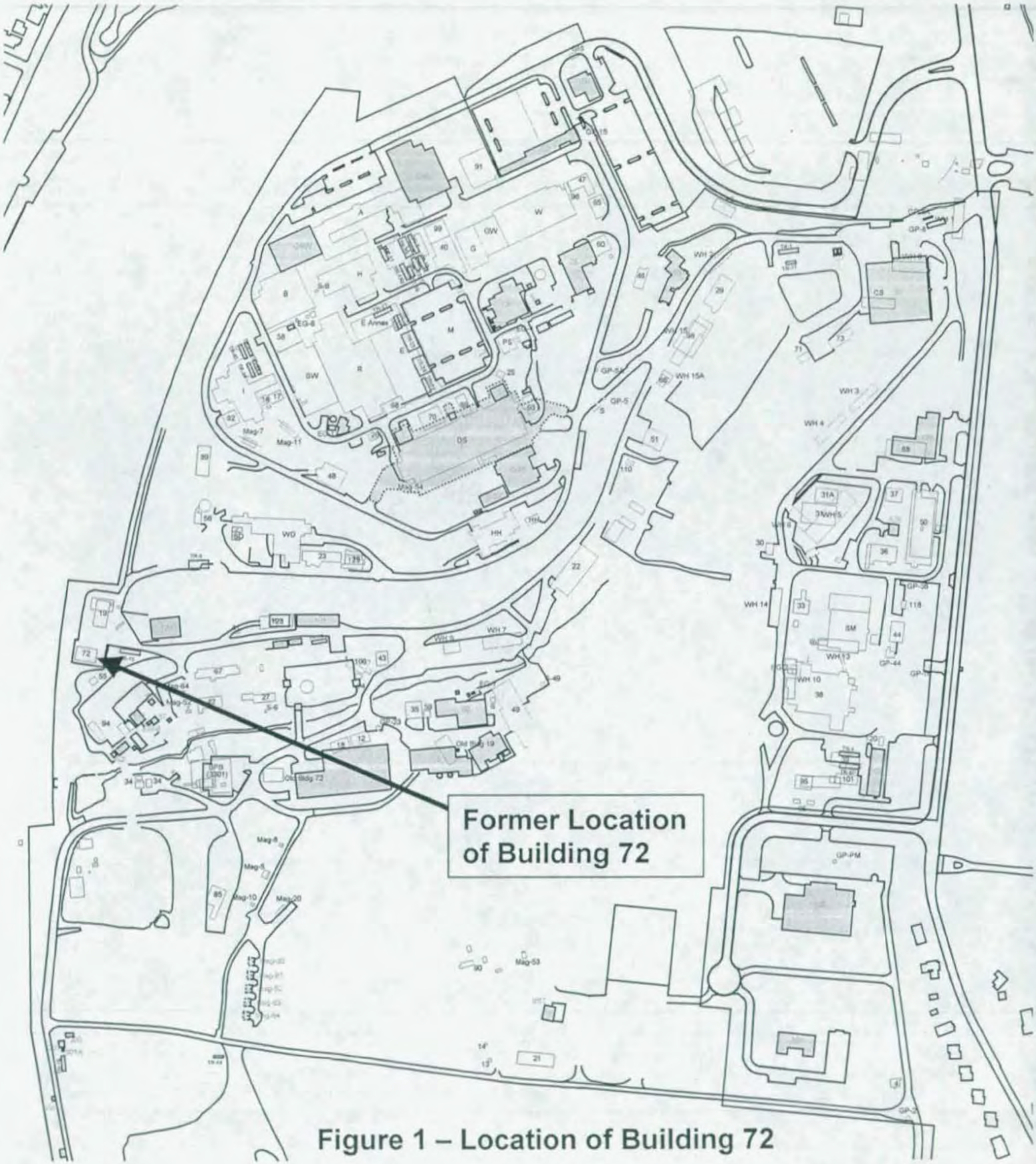
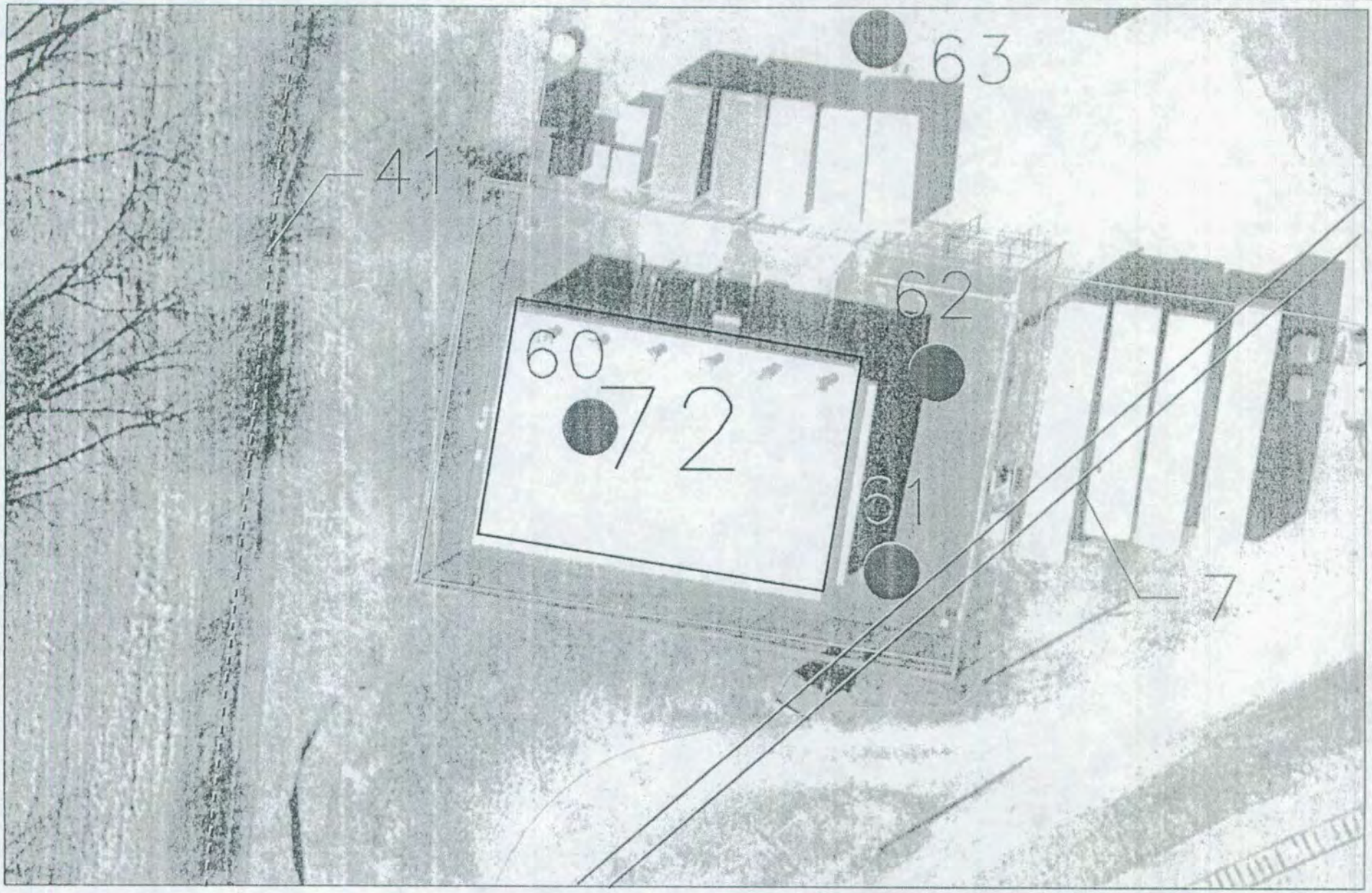


Figure 1 – Location of Building 72



PRS Point
PRS Area
PRS Line

20 10 0 20 40FT
GRAPHIC SCALE

MOUND
Environmental Restoration Geographic Information System

ISS	DATE	REVISION	BY	CHKR	ENG	UPDEC	APVD	W
	07/27/04		SSF					

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

Figure 2
Building 72
and Vicinity

GRAPHIC CLASSIFICATION: UNCLASSIFIED
SIZE
DRAWING NUMBER: vicinity.dgn
JOB NUMBER
DWG TYPE STE PROJ ER-GIS CADEC SCALE SHEET 1 OF 1
STATUS MD-REL-09/08/03 ORIGIN MSTATION / J

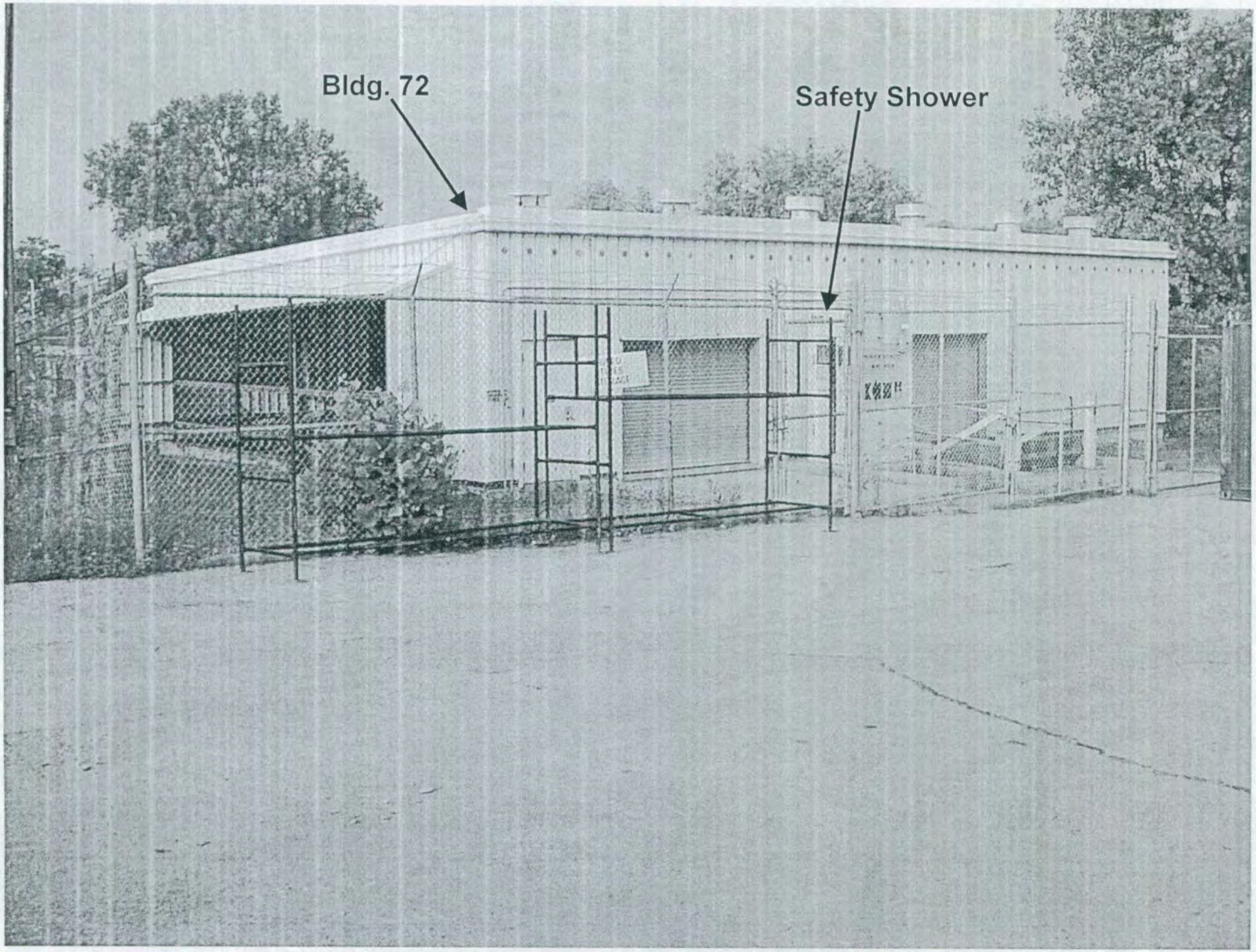


Figure 3 – Building 72, View From North

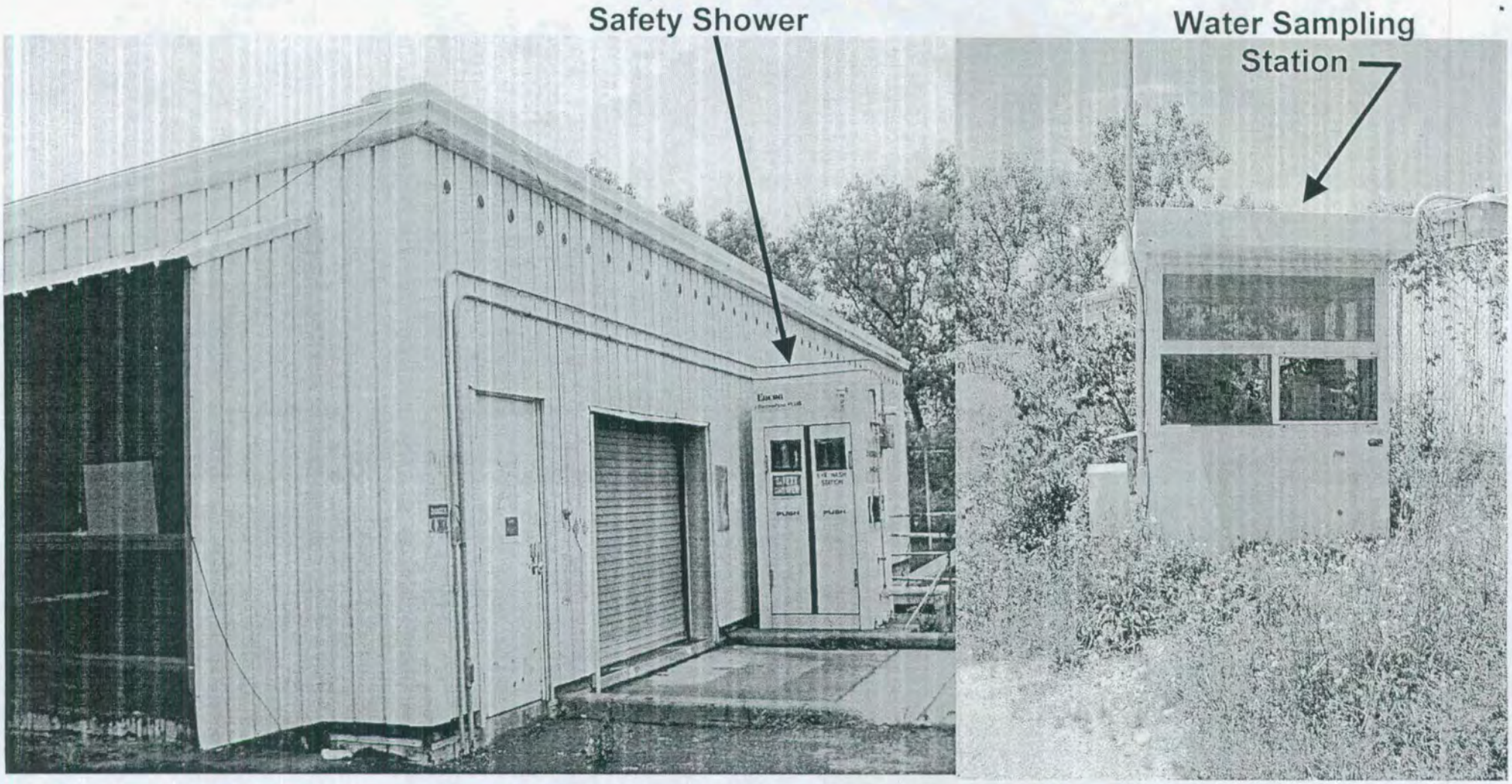
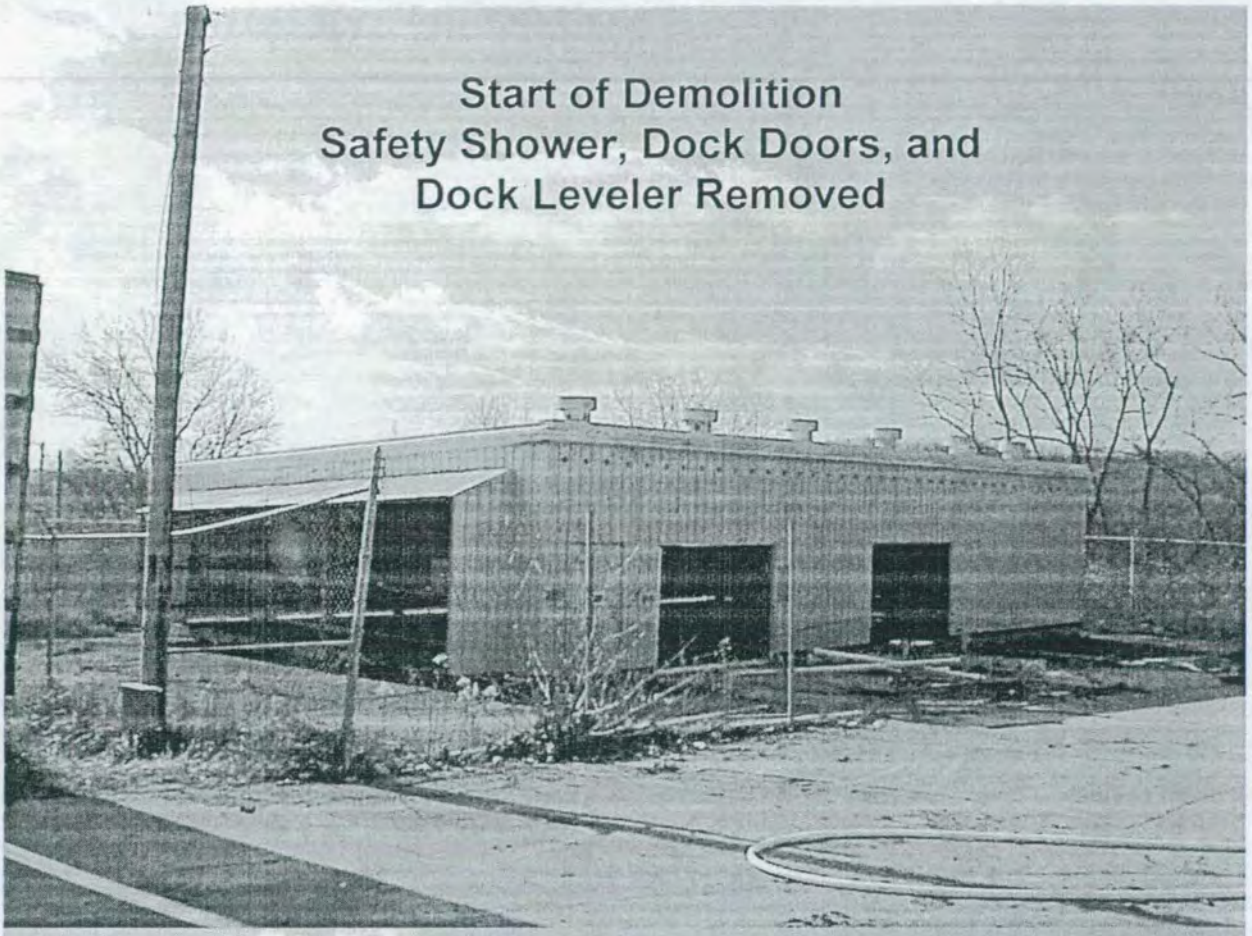


Figure 4 – View of Safety Shower, North of Building 72 and Water Sampling Station, South of Building 72



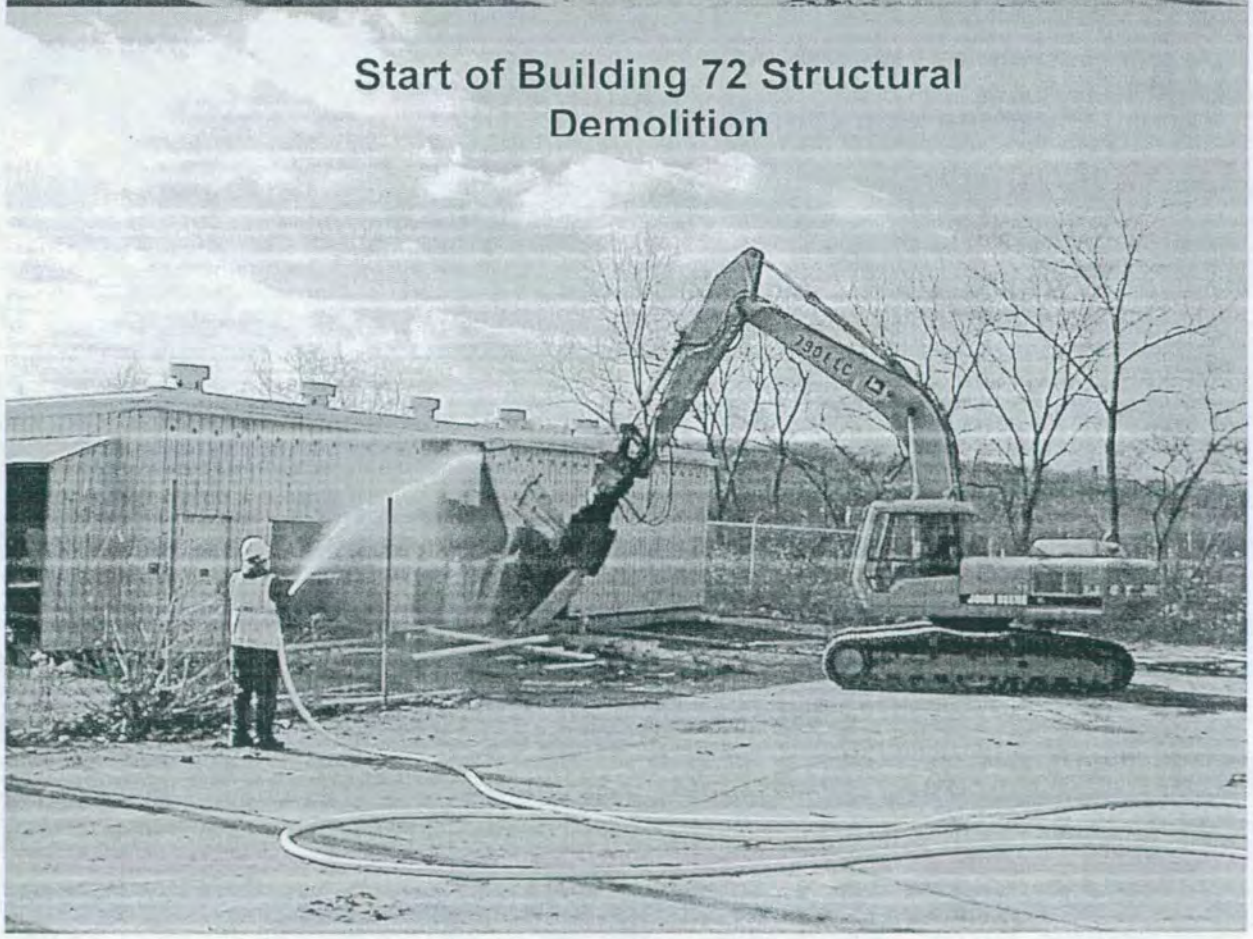
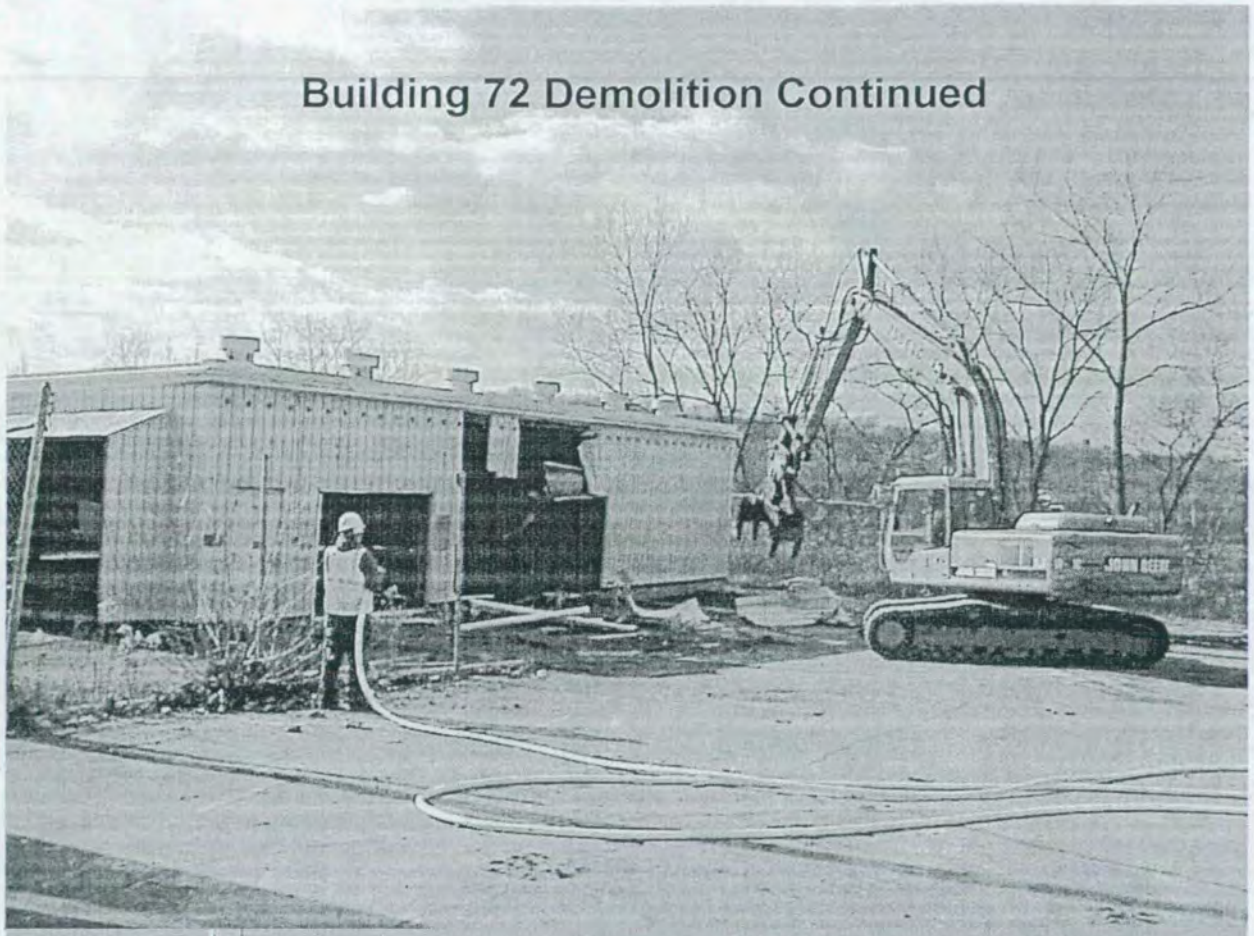


Figure 5 – Demolition of Building 72



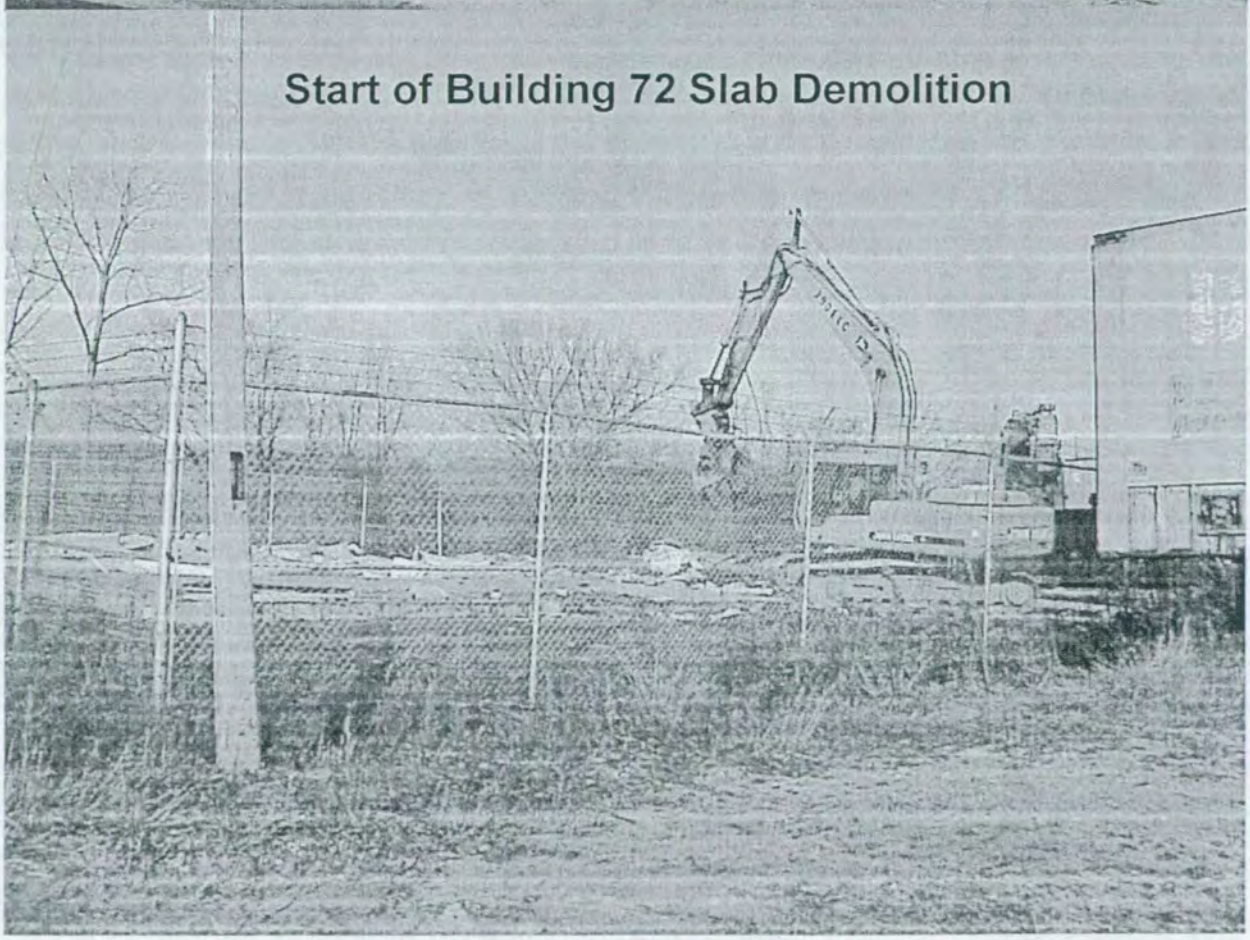


Figure 6 – Demolition of Building 72 (Cont.)

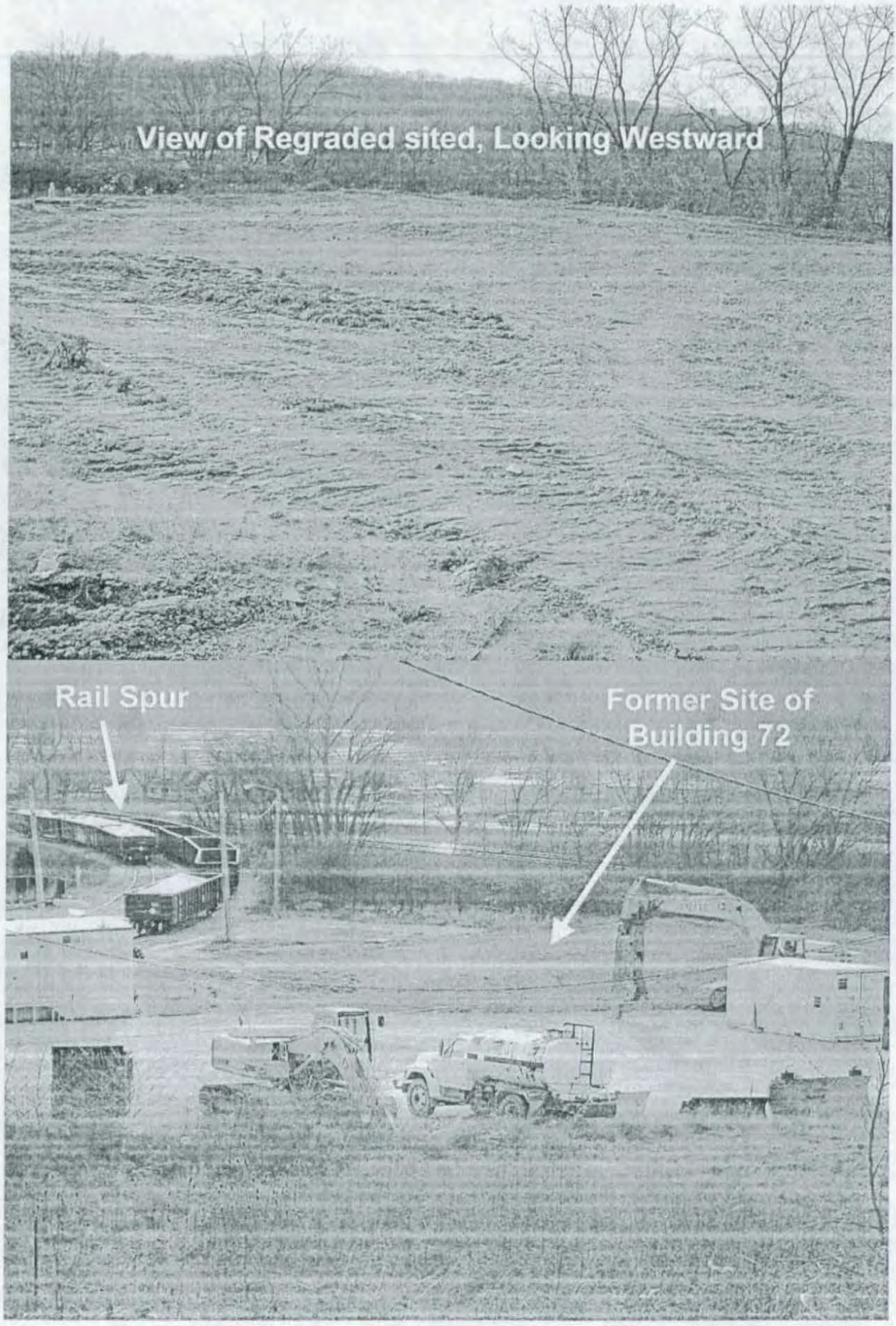


Figure 7 – Post-Demolition, Site Regraded

APPENDIX B

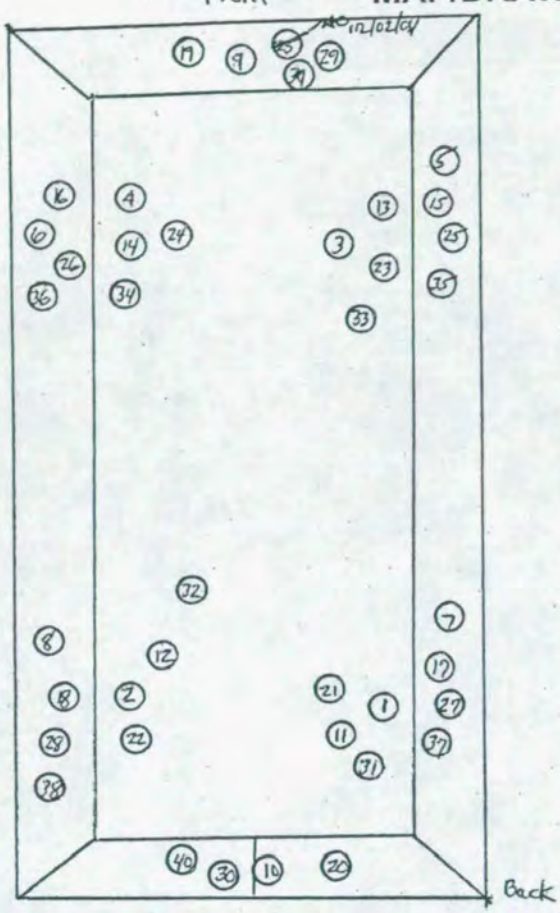
Post-Final Status Survey Report
Radiological Surveys

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) and the walkover survey.

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) Near Bldg 72	SURVEY NO. 04-TF-0403
PURPOSE: Characterize semi trailers prior to demo.	RWP NO. N/A
	DATE: 12-2-04
	TIME: 1500

MAP/DRAWING



smears 41-50 taken on cabinets inside of trailer #2

smears 51-62 taken on drums inside of trailer #2

smears 63-71 taken on drums inside of trailer #3

smears 72,73 taken inside of drums in trailer #2

Random scans and direct readings taken inside of all trailers and contents.

Integrated count taken IF audible detected. NO audible detected.

ALL direct readings <100dpm/100cm2 Alpha and <5000dpm/100cm2 Beta

LEGEND:
# = mrem/hr (γ) whole body
# E = mrem/hr (β+n+γ) 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
Lud 2360/43-89	5758/5734	4/14/05
L2360/43-89	5690/5729	11-3-05
		A
	N	

Completed by: (Signature) [signature]	HP [redacted]	Date: 12/6/04
Completed by: (Print) L. Ceffer Jr. / RM Coblentz		
Counted by: (Signature) See Attached	HP#	Date:
Counted by: (Print) ↓		
Reviewed/Approved by (Signature) [signature]	HP# [redacted]	Date: 12/7/04
Reviewed/Approved by: (Print) ROBERT COLLINS		

ML-9620

RSDS# 04-TF-0403

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm2)				
Sample#	β/γ	Alpha	Tritium	Comments
1				Trailer #1 Bed
2				
3				
4				
5				side
6				
7				
8				
9				Front
10				Back
11				Trailer #2 Bed
12				
13				
14				
15				side
16				
17				
18				
19				Front
20				Back
21				Trailer #3 Bed
22				
23				
24				
25				side
26				
27				
28				
29				Front
30				Back
31				Trailer #4 Bed
32				
33				
34				
35				side

See attached results

Removable Contamination				
Swipes (dpm/100cm2)				
Sample#	β/γ	Alpha	Tritium	Comments
36				Trailer #4 side
37				
38				
39				Front
40				Back
41				cabinets
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				drums
22				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
99				
70				

See attached results

COMMENTS: All smears field counted prior to submitting to count lab; all smears <1K dpm/100cm² α, β⁻.

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 not needed, mark N/A.

ML-9620

Survey No. 04-TF-0403

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
71	See	Attached		drum
72	↓	↓	↓	inside drum
73	↓	↓	↓	↓
		N	A	

Removable Contamination				
Swipes (dpm/100cm²)				
Sample #	β/γ	Alpha	Tritium	Comments
		N	A	

COMMENTS: N/A

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 not needed, mark N/A.

ML-9620A (4-98)

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Aqua
Data file name: SMEAR007
Batch Ended: 12/2/04 15:11

Crosstalk correction performed.

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

Batch ID: 04-TF-0403 OEFFFNER (73) AG

Detector ID	Sample ID	Alpha Activity DPM	Alpha Activity σ	Alpha Activity flags	Beta Activity DPM	Beta Activity σ	Beta Activity flags
A1	1	0.00	2.21		2.23	2.56	
A2	2	0.00	2.21		0.54	1.81	
A3	3	0.00	2.18		0.48	1.76	
A4	4	1.40	2.08		3.44	2.77	
B1	5	0.00	2.03		4.32	2.99	
B2	6	0.00	2.05		0.00	1.72	
B3	7	0.00	1.96		1.32	2.50	
B4	8	0.00	1.93		2.69	2.56	
C1	9	0.00	2.34		0.00	1.97	
C2	10	0.94	2.18		0.00	2.37	
C3	11	0.00	2.08		0.00	1.40	
C4	12	1.51	2.06		0.00	1.85	
D1	13	0.00	2.20		0.00	2.08	
D2	14	0.00	2.17		0.00	1.31	
D3	15	2.84	2.77		8.17	4.02	
D4	16	0.00	2.19		7.28	3.87	
A1	17	0.00	2.24		4.75	3.13	
A2	18	0.00	2.24		3.04	2.54	
A3	19	3.72	3.17		9.86	3.90	
A4	20	0.00	2.11		6.05	3.28	
B1	21	0.00	2.09		7.67	3.57	
B2	22	0.00	2.09		1.11	2.39	
B3	23	0.00	1.95		0.10	2.17	
B4	24	0.00	1.92		1.56	2.30	
C1	25	0.00	2.39		1.84	3.04	
C2	26	0.95	2.15		0.00	1.45	
C3	27	0.00	2.11		0.22	2.31	
C4	28	0.00	2.09		1.24	2.57	
D1	29	1.15	2.19		0.00	1.53	
D2	30	0.00	2.17		0.00	1.30	
D3	31	0.00	1.95		0.00	2.04	
D4	32	0.67	2.15		0.00	1.45	
A1	33	0.00	2.24		4.75	3.13	
A2	34	0.00	2.20		0.00	1.30	

NAO

~~Page 1 of 3~~ NAO
12/6/04

NAO

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Aqua
Data file name: SMEAR007
Batch Ended: 12/2/04 15:11

Crosstalk correction performed.

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

Batch ID: 04-TF-0403 OEFFFNER (73) AG

Detector ID	Sample ID	Alpha Activity DPM	Alpha Activity σ	Alpha Activity flags	Beta Activity DPM	Beta Activity σ	Beta Activity flags
A3	35	0.00	2.20		1.70	2.15	
A4	36	0.00	2.07		2.38	2.49	
B1	37	0.00	1.92		0.00	1.64	
B2	38	1.49	2.07		0.00	2.08	
B3	39	0.00	2.01		5.00	3.28	
B4	40	0.00	1.92		1.56	2.30	
C1	41	1.83	2.36		0.00	2.38	
C2	42	0.00	2.15		0.00	1.44	
C3	43	0.00	2.10		0.00	1.90	
C4	44	0.00	2.07		0.00	2.23	
D1	45	3.19	3.07		0.00	2.09	
D2	46	0.00	2.23		1.26	2.19	
D3	47	1.36	1.96		1.25	2.48	
D4	48	0.57	2.15		0.00	1.44	
A1	49	0.00	2.16		0.00	1.34	
A2	50	0.00	2.27		5.55	3.10	
A3	51	0.00	2.16		0.00	1.27	
A4	52	0.00	2.04		0.00	1.78	
B1	53	0.00	2.03		4.32	2.99	
B2	54	0.00	2.07		0.00	2.08	
B3	55	0.00	1.93		0.00	1.80	
B4	56	0.00	1.89		0.00	1.65	
C1	57	0.00	2.36		0.00	2.38	
C2	58	0.00	2.18		0.00	2.37	
C3	59	0.00	2.08		0.00	1.39	
C4	60	0.00	2.11		3.75	3.13	
D1	61	0.00	2.24		4.57	3.53	
D2	62	0.00	2.17		0.00	1.30	
D3	63	0.00	1.96		1.37	2.48	
D4	64	0.57	2.15		0.00	1.44	
A1	65	0.00	2.17		0.00	1.83	
A2	66	0.00	2.23		1.79	2.20	
A3	67	0.00	2.16		0.00	1.27	
A4	68	0.00	2.07		2.38	2.49	
B1	69	0.00	2.01		3.20	2.77	
B2	70	0.00	2.02		0.00	1.26	

NO ~~Page 2 of 3~~ NO
12/6/04 NO

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Aqua
Data file name: SMEAR007
Batch Ended: 12/2/04 15:11

Crosstalk correction performed.

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

Batch ID: 04-TF-0403 OEFFFNER (73) AG

Detector ID	Sample ID	Alpha Activity DPM	Alpha Activity σ	Alpha Activity flags	Beta Activity DPM	Beta Activity σ	Beta Activity flags
B3	71	0.00	1.95		0.10	2.17	
B4	72	0.00	1.92		1.56	2.30	
C1	73	0.00	2.36		0.00	2.38	

NO NO

~~Page 3 of 3~~ AO
12/6/04

AM

6 of 8

Time: 2.00
Data Mode: DPM Nuclide: SMGL02 Quench Set: SMGL02
Background Subtract: 1st Vial

	LL	UL	LCR	2S%	BKG
Region A:	0.5 -	18.6	0	0.0	10.30
Region B:	2.0 -	18.6	0	0.0	9.82
Region C:	40.0 -	2000	0	0.0	9.70

Quench Indicator: tSIE/AEC
Ext Std Terminator: Count
04-TF-0403 OFFNER [73] GWD
Luminescence Correction On
Coincidence Time(ns): 18
Delay Before Burst(ns): Normal
Spectrum Data Drive & Path: C:\DATA

S#	TIME	CPMA	LUM	FLAG	tSIE	DPM1	2Sigma	CPMC
-1	10.00	10.30	2	B	657.25		0.00	9.70
0	2.00	671.89	1		614.48	1224.97	113.40	0.00
1	2.00	0.00	13		382.62	0.00	0.00	3.19
2	2.00	0.20	10		421.93	0.45	11.25	2.80
3	2.00	0.00	6		378.95	0.00	0.00	0.00
4	2.00	0.00	9		403.88	0.00	0.00	0.30
5	2.00	0.00	0		476.99	0.00	0.00	0.00
6	2.00	0.00	14		406.49	0.00	0.00	0.80
7	2.00	0.70	5		468.88	1.47	10.73	0.30
8	2.00	0.00	8		436.62	0.00	0.00	0.00
9	2.00	0.00	5		387.63	0.00	0.00	0.00
10	2.00	0.00	13		499.53	0.00	0.00	2.44
11	2.00	0.00	8		306.52	0.00	0.00	0.30
12	2.00	0.00	10		276.66	0.00	0.00	1.55
13	2.00	0.00	0		195.39	0.00	0.00	3.80
14	2.00	0.00	0		253.50	0.00	0.00	0.80
15	2.00	0.00	5		376.24	0.00	0.00	6.80
16	2.00	0.00	0		447.74	0.00	0.00	5.30
17	2.00	0.00	6		402.57	0.00	0.00	9.97
18	2.00	0.00	5		410.34	0.00	0.00	3.30
19	2.00	0.00	0		438.41	0.00	0.00	8.80
20	2.00	3.09	7		368.21	7.62	13.72	0.00
21	2.00	0.00	0		379.07	0.00	0.00	1.82
22	2.00	0.00	7		469.85	0.00	0.00	1.02
23	2.00	0.00	0		415.29	0.00	0.00	0.00
24	2.00	0.00	0		562.16	0.00	0.00	0.80
25	2.00	0.00	7		499.06	0.00	0.00	0.00
26	2.00	0.00	6		516.15	0.00	0.00	0.30
27	2.00	0.00	11		493.97	0.00	0.00	0.00
28	2.00	0.00	6		541.53	0.00	0.00	0.00
29	2.00	0.38	5		590.03	0.71	9.40	0.00
30	2.00	0.00	6		532.92	0.00	0.00	0.30
31	2.00	0.00	6		634.52	0.00	0.00	0.00
32	2.00	0.00	7		575.82	0.00	0.00	2.30
33	2.00	0.34	4		591.88	0.63	9.37	1.30
34	2.00	0.00	13		634.38	0.00	0.00	0.00
35	2.00	0.00	5		624.43	0.00	0.00	0.43
36	2.00	0.00	6		651.00	0.00	0.00	0.80

MD

02 Dec 2004 19:02 ALPHA/BETA - 1.09 Page #~~2~~ 10 12/6/04
Protocol #: 3 PW H3 #405835 User : 2138

S#	TIME	CPMA	LUM	FLAG	tSIE	DPM1	2Sigma	CPMC
37	2.00	0.00	6		619.29	0.00	0.00	2.30
38	2.00	0.00	5		652.06	0.00	0.00	0.00
39	2.00	0.56	0		600.67	1.03	9.38	0.00
40	2.00	0.00	0		627.98	0.00	0.00	0.00
41	2.00	0.15	5		427.38	0.32	11.13	0.06
42	2.00	0.00	10		382.54	0.00	0.00	0.00
43	2.00	0.00	8		372.96	0.00	0.00	0.04
44	2.00	0.00	8		416.47	0.00	0.00	0.80
45	2.00	0.00	9		470.98	0.00	0.00	0.00
46	2.00	0.00	6		454.44	0.00	0.00	0.00
47	2.00	0.00	6		509.48	0.00	0.00	0.00
48	2.00	0.00	0		382.35	0.00	0.00	0.00
49	2.00	7.05	3		421.62	15.82	14.03	2.27
50	2.00	0.00	7		530.73	0.00	0.00	0.00
51	2.00	0.00	0		475.49	0.00	0.00	6.30
52	2.00	0.00	0		353.04	0.00	0.00	0.00
53	2.00	0.00	0		405.89	0.00	0.00	2.85
54	2.00	0.00	9		415.71	0.00	0.00	0.00
55	2.00	0.00	6		431.57	0.00	0.00	0.00
56	2.00	0.00	0		411.83	0.00	0.00	0.00
57	2.00	0.00	9		325.74	0.00	0.00	1.26
58	2.00	0.00	7		408.42	0.00	0.00	0.00
59	2.00	0.00	0		474.02	0.00	0.00	1.80
60	2.00	0.00	6		381.98	0.00	0.00	1.30
61	2.00	0.00	8		387.01	0.00	0.00	1.30
62	2.00	0.00	6		345.31	0.00	0.00	0.00
63	2.00	0.00	6		598.85	0.00	0.00	0.00
64	2.00	0.00	25		455.79	0.00	0.00	0.00
65	2.00	0.00	6		582.90	0.00	0.00	0.00
66	2.00	0.00	15		415.37	0.00	0.00	0.00
67	2.00	0.00	13		612.16	0.00	0.00	0.00
68	2.00	1.83	8		553.13	3.51	10.24	0.00
69	2.00	0.00	0		485.22	0.00	0.00	1.30
70	2.00	0.00	0		571.75	0.00	0.00	0.00
71	2.00	0.00	6		551.29	0.00	0.00	0.30
72	2.00	0.00	9		405.59	0.00	0.00	0.00
73	2.00	0.00	7		626.52	0.00	0.00	0.00

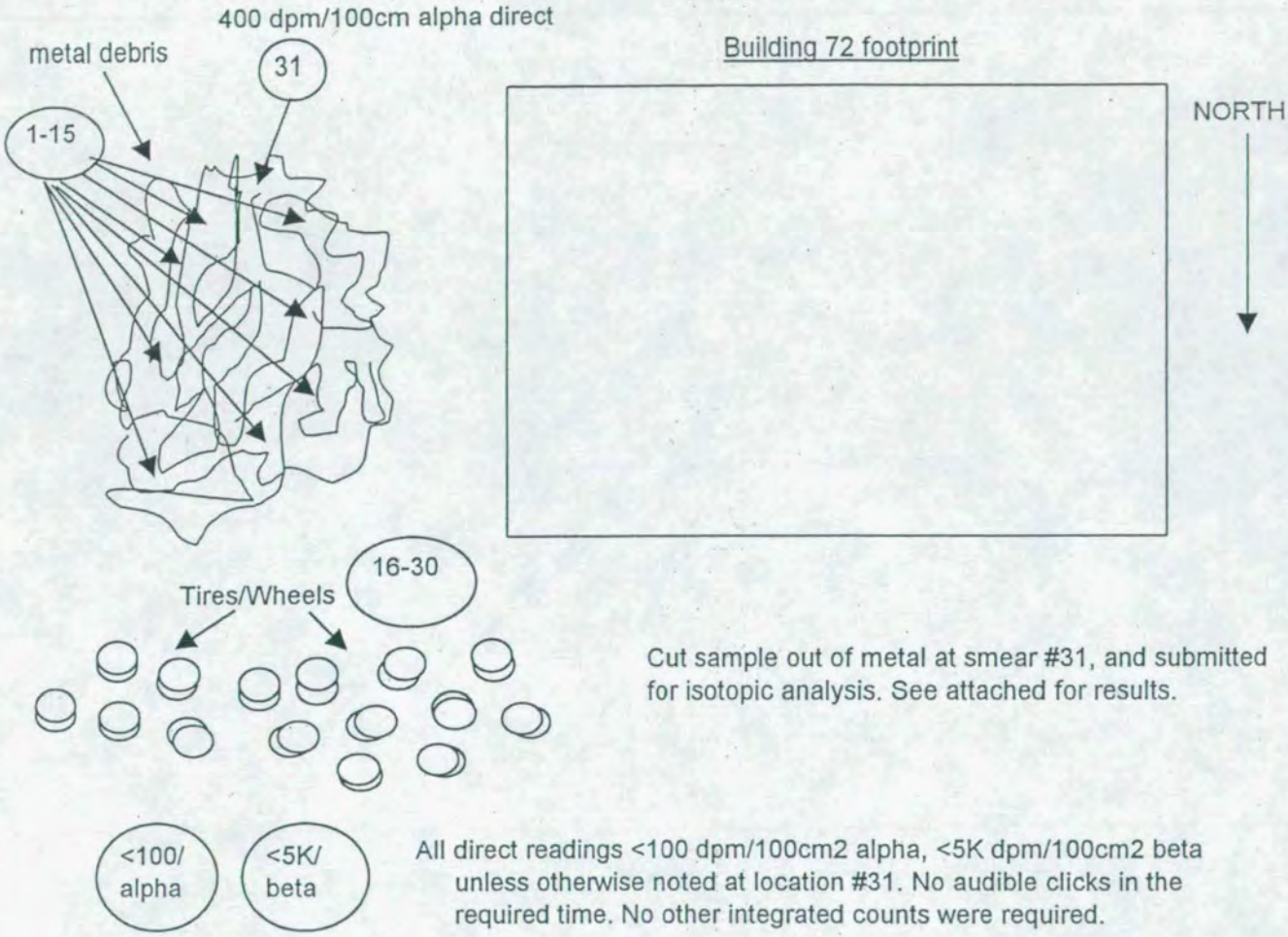
MO

Acl

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) Building 72 Semi Trailer Debris	SURVEY NO. 04-TF-0411
PURPOSE: Debris Pile survey of (4) demo'd semi trailers	RWP NO. N/A
	DATE: 12/08/2004
	TIME: 9:00

MAP / DRAWING



Cut sample out of metal at smear #31, and submitted for isotopic analysis. See attached for results.

<100/ alpha

<5K/ beta

All direct readings <100 dpm/100cm2 alpha, <5K dpm/100cm2 beta unless otherwise noted at location #31. No audible clicks in the required time. No other integrated counts were required.

LEGEND:
- # = mrem/hr (γ) whole body
- #E = mrem/hr (β+η+γ) extremity on contact
- K = factor of 1000
- —·—·—·· = radiological boundary

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

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
L2360/43-89	5690/5729	11/03/2005
	NA	

Completed by: (Signature) Ron Coblentz	HP# [redacted]	Date: 12-13-04
Completed by: (Printed Name) RN Coblentz		
Counted by: (Signature) See attached	HP#	Date:
Counted by: (Printed Name)		
Reviewed/Approved by: (Signature) Robert Collins	HP# [redacted]	Date: 12/13/04
Reviewed/Approved by: (Print Name) ROBERT COLLINS		

Survey No.

04-TF-0411

Rnc 12-13-04

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm^2)				
Sample #	β/γ	Alpha	Tritium	Comments
1-15	SEE ATTACHED SHEETS			Metal debris
16-30	↓	↓	↓	Wheels/tires
31	↓	↓	↓	sheet metal

Survey No.
04-TF-0411

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Ludlum 2360 Integrated Measurement Results							
		Alpha			Beta		
		BKGD	1	cpm	BKGD	254	cpm
		DL	1.4	Net cpm	DL	30	Net cpm
No.	Item/Location Description	Gross (cpm)	CF	Results (dpm/100cm2 or Sample)	Gross (cpm)	CF	Results (dpm/100cm2 or Sample)
1	Metal	5	8	32	357	4	412
2	Metal	3	8	16	259	4	<DL
5	Metal	3	8	16	311	4	228
6	Metal	1	8	<DL	296	4	168
11	Metal	5	8	32	303	4	196
16	Wheels/tires	7	8	48	265	4	<DL
19	Wheels/tires	2	8	<DL	315	4	244
24	Wheels/tires	0	8	<DL	402	4	592
30	Wheels/tires	1	8	<DL	223	4	<DL
31	Metal	51	8	400	426	4	688

A
N

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Aqua
Data file name: SMEAR008
Batch Ended: 12/8/04 9:29

Crosstalk correction performed.

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

Batch ID: COBLENTZ 04-TF-0411 [31] JC

Detector ID	Sample ID	Alpha Activity			Beta Activity		
		DPM	σ	flags	DPM	σ	flags
A1	1	6.19	3.79		6.74	3.60	
A2	2	0.00	2.27		5.55	3.10	
A3	3	0.00	2.18		0.48	1.76	
A4	4	0.00	2.05		1.15	2.16	
B1	5	0.00	1.90		0.00	1.20	
B2	6	0.00	2.02		0.00	1.27	
B3	7	0.00	1.98		2.55	2.78	
B4	8	0.00	1.94		3.82	2.80	
C1	9	0.00	2.41		3.17	3.32	
C2	10	0.00	2.15		0.00	1.44	
C3	11	0.00	2.11		0.22	2.31	
C4	12	1.51	2.12		4.85	3.37	
D1	13	0.64	2.24		4.41	3.53	
D2	14	2.02	2.24		0.98	2.19	
D3	15	0.00	1.94		0.00	1.48	
D4	16	0.48	2.16		0.00	1.98	
A1	17	4.06	3.12		6.91	3.60	
A2	18	0.00	2.21		0.54	1.81	
A3	19	0.00	2.24		4.14	2.76	
A4	20	0.00	2.07		2.38	2.49	
B1	21	1.68	2.05		5.24	3.20	
B2	22	0.00	2.09		1.11	2.39	
B3	23	0.00	1.92		0.00	1.32	
B4	24	3.32	2.64		0.00	1.65	
C1	25	0.00	2.41		3.17	3.32	
C2	26	0.00	2.18		0.00	2.37	
C3	27	0.00	2.08		0.00	1.39	
C4	28	0.00	2.10		2.49	2.86	
D1	29	5.13	3.76		1.25	2.90	
D2	30	0.00	2.20		0.01	1.80	
D3	31	12.19	5.15		11.79	4.72	

08 Dec 2004 11:37 ALPHA/BETA - 1.09 Page #1
Protocol #: 4 PW H3 #410462 User : 2138

Time: 2.00
Data Mode: DPM Nuclide: SMGL302 Quench Set: SMGL302
Background Subtract: 1st Vial

	LL	UL	LCR	2S%	BKG
Region A:	0.5 -	18.6	0	0.0	10.08
Region B:	2.0 -	18.6	0	0.0	9.41
Region C:	40.0 -	2000	0	0.0	10.10

Quench Indicator: tSIE/AEC
Ext Std Terminator: Count
04-TF-0411 COBLENTZ (31) AG
Luminescence Correction On
Coincidence Time(ns): 18
Delay Before Burst(ns): Normal
Protocol Data Filename: C:\DATA\PROT4.DAT
Count Data Filename: C:\DATA\SDATA4.DAT
Spectrum Data Drive & Path: C:\DATA

S#	TIME	CPMA	CPME	LUM	FLAG	tSIE	DPM1	2Sigma	CPMC
-1	10.00	10.08	9.41	0	B	661.54		0.00	10.10
0	2.00	705.82	648.29	0		624.44	1292.29	98.40	0.00
1	2.00	0.00	0.00	27		287.03	0.00	0.00	5.40
2	2.00	0.00	0.07	17		445.08	0.00	0.00	0.00
3	2.00	0.00	0.00	0		495.66	0.00	0.00	0.40
4	2.00	0.00	0.00	0		505.89	0.00	0.00	0.00
5	2.00	0.00	0.00	0		493.57	0.00	0.00	0.00
6	2.00	0.00	0.00	0		572.82	0.00	0.00	0.00
7	2.00	0.00	0.00	0		531.19	0.00	0.00	2.90
8	2.00	0.00	0.00	0		510.43	0.00	0.00	0.00
9	2.00	1.40	0.39	74		329.37	3.27	21.90	0.00
10	2.00	0.52	0.23	0		436.47	1.16	11.19	0.00
11	2.00	0.00	0.00	0		489.20	0.00	0.00	0.00
12	2.00	0.00	0.00	0		376.11	0.00	0.00	1.16
13	2.00	0.00	0.00	0		450.71	0.00	0.00	0.00
14	2.00	0.00	0.00	6		524.31	0.00	0.00	14.90
15	2.00	0.00	0.00	0		561.31	0.00	0.00	0.00
16	2.00	0.00	0.00	22		323.37	0.00	0.00	0.00
17	2.00	0.42	0.63	10		425.89	0.95	11.32	0.00
18	2.00	0.00	0.00	9		365.18	0.00	0.00	2.90
19	2.00	0.00	0.00	0		395.86	0.00	0.00	1.90
20	2.00	0.00	0.00	0		393.39	0.00	0.00	0.00
21	2.00	0.00	0.00	15		324.02	0.00	0.00	0.40
22	2.00	0.00	0.00	9		400.02	0.00	0.00	0.40
23	2.00	0.00	0.00	36		310.79	0.00	0.00	0.00
24	2.00	0.00	0.00	7		394.28	0.00	0.00	1.90
25	2.00	0.00	0.00	0		381.46	0.00	0.00	0.00
26	2.00	0.00	0.00	0		416.55	0.00	0.00	2.56
27	2.00	0.00	0.00	7		375.18	0.00	0.00	1.40
28	2.00	0.00	0.00	9		393.05	0.00	0.00	0.00
29	2.00	0.00	0.00	0		361.70	0.00	0.00	0.90
30	2.00	0.00	0.00	20		281.17	0.00	0.00	2.90
31	2.00	0.00	0.09	0		367.39	0.00	0.00	9.40

G. DeBord

KT of Ohio, Inc.

ANALYTICAL SERVICES REQUEST FOR ANALYSIS

DATE SUBMITTED:	SAMPLE TYPE:	COLLECTED BY:	NUMBER OF SAMPLES
12/8/04	Sheet metal	Bob Coblentz	1
PROJECT/FUNCTION:	PRIMARY CONTACT/PHONE NO.:		MAIL STOP:
Bass	Bob Coblentz 608-8206		—
CHARGE NUMBER:	DATE(S) COLLECTED:	RSDS# (if applicable):	ATTACHMENTS (list):
Bass	12-8-04	04-TF-0411	—

ANALYSES REQUESTED (check):

- ☐ ^3H
- ☐ Characterize/Approve for Sanitary or Storm Discharge. Estimate of Total Volume for Release _____ Approved _____
- ☐ Gross Alpha
- ☐ Air Filter – Isotopic Analysis
- ☒ Characterization per MD-60036, Operation #10015
- ☐ Isotopic Analysis: Pu____ U____ Th____ Am____ Other____
- ☐ Other _____

ADDITIONAL INFORMATION: Debris from demo of old Semi Truck Trailers

NOTE: Attach additional information (e.g. RSDS, screening results, collection data, and gamma spec. results) if applicable

LAB IDENTIFICATION	SAMPLE LOCATION	SAMPLE NUMBER	RESULTS
0407045	Bldg 72 Trailer		

COMMENTS:

ANALYZED BY: L. C. Hopkins

DATE: 12-11-04

ML-5222 (1-01)

Laboratory ID#:	0407045
Project/function:	Boss
Submitted:	Dec 8, 2004
Submitted by:	B. Coblentz
Point of Contact:	B. Coblentz
RSDS#:	04-TF-0411
Date:	Dec 13, 2004

Lab ID	0407045		
Sample Location	Bldg 72 Trailer		
Isotope	**pCi/Sample**	**Uncertainty +/-**	**LDL**
Pu-238	<LDL	<LDL	0.23
Pu-239/240	<LDL	<LDL	0.06
Th-227	<LDL	<LDL	0.20
Th-228	<LDL	<LDL	0.07
Th-230	<LDL	<LDL	0.07
Th-232	<LDL	<LDL	0.07
U-233/234	0.12	0.06	0.08
U-235	<LDL	<LDL	0.29
U-238	0.28	0.11	0.23
Po-210	60.51	4.31	0.10

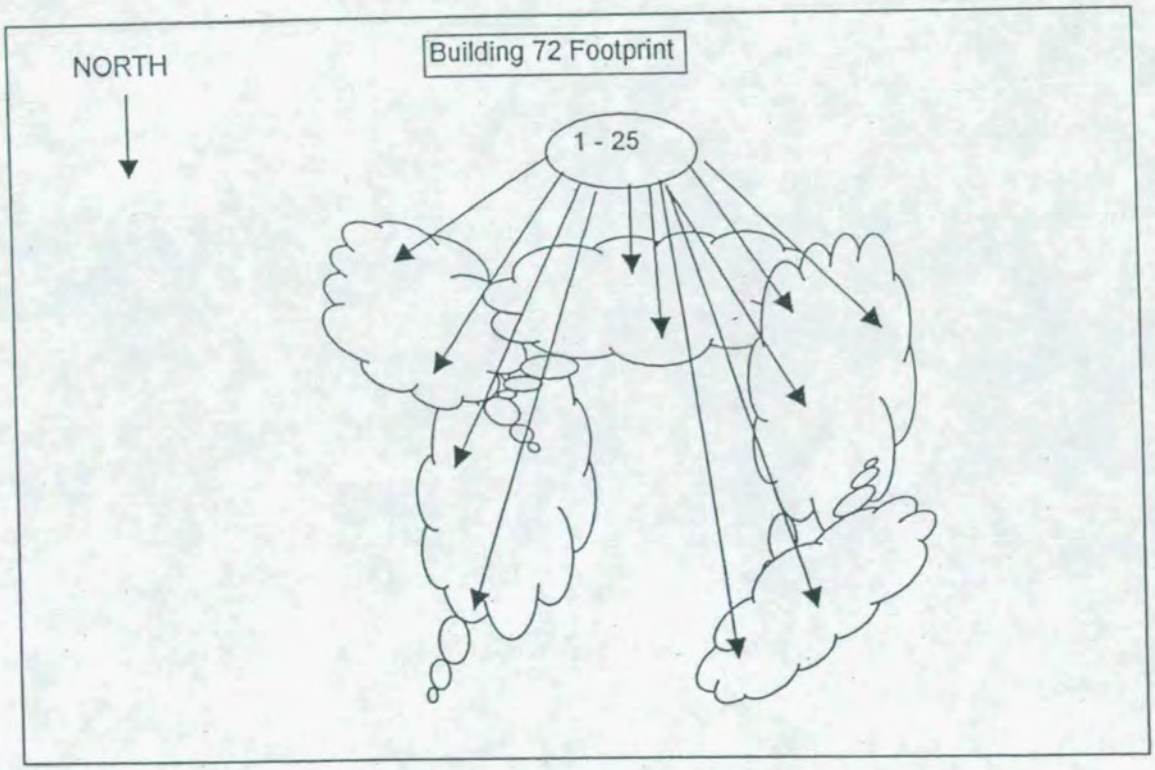
R. C. Hopkins [redacted] 12-13-04
Analyst HP # Date

[redacted] 12-13-2004
Data Verification HP # Date

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM) Building 72 Concrete Debris	SURVEY NO. 04-TF-0417
PURPOSE: Characterize slab and foundation concrete debris after flipping over	RWP NO. N/A
	DATE: 12/8/2004
	TIME: 9:30

MAP / DRAWING



<100/ alpha

<5K/ beta

Direct pause scan performed. No clicks in required time. Integrated counts not required.

LEGEND:
- # = mrem/hr (γ) whole body
- #E = mrem/hr (β+η+γ) extremity on contact
- K = factor of 1000
- — · — · — · · = radiological boundary

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

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
L2360/43-89	5690/5729	11/3/2005
	NA	

Completed by: (Signature) Ron Coblentz	HP# [redacted]	Date: 12-10-04
Completed by: (Printed Name) RM Coblentz		
Counted by: (Signature) See attached	HP#	Date:
Counted by: (Printed Name)		
Reviewed/Approved by: (Signature) Robert Collins	HP# [redacted]	Date: 12/10/04
Reviewed/Approved by: (Print Name) ROBERT COLLINS		

Survey No.

04-TF-0417

RADIOLOGICAL SURVEY DATA SHEET (cont.)

Removable Contamination				
Swipes (dpm/100cm^2)				
Sample #	β/γ	Alpha	Tritium	Comments
1-25	SEE ATTACHED SHEETS			concrete debris

Smear Analysis

Unit Type: LB4100/W
Counting Unit ID: Green
Data file name: SMEAR011
Batch Ended: 12/8/04 15:51
Cal. Due Date: 5/1/05
Serial Number: 26966-3

Batch ID: 04-TF-0417 COBLENTZ [25] GWD

Detector ID	Sample ID	Alpha Activity DPM	Alpha Activity σ	Alpha Activity flags	Beta Activity DPM	Beta Activity σ	Beta Activity flags
A1	1	0.00	2.20		0.00	1.86	
A2	2	0.00	2.00		0.00	1.18	
A3	3	0.00	2.30		1.98	2.18	
A4	4	0.00	2.12		0.32	1.71	
B1	5	0.00	1.92		1.73	2.07	
B2	6	0.00	1.87		0.00	1.59	
B3	7	0.00	2.18		0.00	1.34	
B4	8	1.28	2.79		2.34	2.40	
C1	9	0.00	2.13		0.40	1.76	
C2	10	0.00	1.97		0.49	1.64	
C3	11	0.00	2.20		0.51	1.79	
D1	12	0.00	2.32		0.00	3.46	
D2	13	0.00	2.29		0.37	1.75	
D3	14	2.03	2.27		0.00	1.84	
D4	15	1.88	2.16		0.00	1.28	
A1	16	1.74	2.23		2.12	2.62	
A2	17	3.55	2.86		2.42	2.33	
A3	18	0.00	2.28		0.72	1.78	
A4	19	0.00	2.10		0.00	1.22	
B1	20	0.00	1.90		0.54	1.69	
B2	21	0.00	1.85		0.00	1.13	
B3	22	0.00	2.18		0.00	1.34	
B4	23	1.28	2.77		0.00	1.70	
C1	24	0.00	2.15		1.64	2.16	
C2	25	1.41	1.95		0.00	1.16	

RMC RMC

G. DeBord

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Time: 2.00
Data Mode: DPM Nuclide: SMGLS02 Quench Set: SMGLS02
Background Subtract: 1st Vial

	LL	UL	LCR	2SZ	BKG
Region A:	0.5	18.6	0	0.0	10.50
Region B:	2.0	18.6	0	0.0	9.53
Region C:	40.0	2000	0	0.0	10.58

Quench Indicator: tSIE/AEC
Ext Std Terminator: Count
04-TF-0417 COBLENTZ [25] GWD
Coincidence Time(ns): 18
Delay Before Burst(ns): Normal
Protocol Data Filename: c:\data\PROT5.DAT
Count Data Filename: c:\data\SDATA5.DAT
Spectrum Data Drive & Path: c:\data

S#	TIME	CPMA	DPM1	2Sigma	CPMB	CPMC	tSIE	FLAG
-1	10.00	10.50		0.00	9.53	10.58	644.35	B
0	2.00	703.84	1335.69	124.36	644.41	0.00	613.59	
1	2.00	0.00	0.00	0.00	0.00	0.00	539.87	
2	2.00	0.00	0.00	0.00	0.00	0.00	551.99	
3	2.00	0.00	0.00	0.00	0.00	1.42	392.91	
4	2.00	0.00	0.00	0.00	0.00	0.00	463.24	
5	2.00	0.00	0.00	0.00	0.00	1.42	559.78	
6	2.00	0.00	0.00	0.00	0.00	0.00	443.69	
7	2.00	0.00	0.00	0.00	0.00	0.00	456.60	
8	2.00	0.00	0.00	0.00	0.21	2.42	481.58	
9	2.00	0.00	0.00	0.00	0.00	0.00	591.03	
10	2.00	0.00	0.00	0.00	0.00	0.00	445.34	
11	2.00	0.00	0.00	0.00	0.00	1.92	487.51	
12	2.00	0.00	0.00	0.00	0.00	2.92	420.50	
13	2.00	0.00	0.00	0.00	0.00	0.92	540.97	
14	2.00	0.00	0.00	0.00	0.00	0.00	508.66	
15	2.00	0.21	0.42	10.19	0.12	0.00	544.44	
16	2.00	0.00	0.00	0.00	0.00	0.00	409.51	
17	2.00	0.00	0.00	0.00	0.00	0.00	224.11	
18	2.00	0.00	0.00	0.00	0.00	0.00	399.73	
19	2.00	0.00	0.00	0.00	0.00	0.00	185.23	
20	2.00	0.00	0.00	0.00	0.00	1.42	506.69	
21	2.00	0.00	0.00	0.00	0.00	0.00	528.87	
22	2.00	0.00	0.00	0.00	0.00	4.92	555.33	
23	2.00	0.00	0.00	0.00	0.00	3.42	447.22	
24	2.00	0.00	0.00	0.00	0.00	0.92	489.49	
25	2.00	0.00	0.00	0.00	0.00	0.00	455.22	

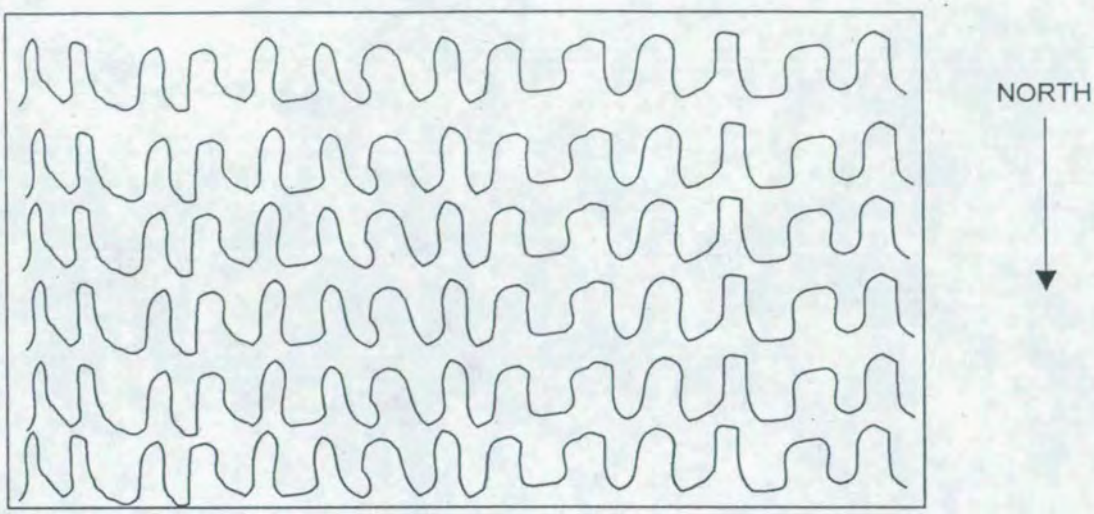
BMC

RADIOLOGICAL SURVEY DATA SHEET

LOCATION: (BLDG./AREA/ROOM)	SURVEY NO.
Building 72 Footprint	04-TF-0435
PURPOSE:	RWP NO. N/A
FIDLER Walkover of building footprint soil areas	DATE: 12/17/2004
	TIME: 13:00

MAP / DRAWING

Building 72 Footprint



FIDLER results for indication purposes only.
Background - 120 cpm
All results were less than or equal to background

LEGEND:
- # = mrem/hr (γ) whole body
- #E = mrem/hr (β+η+γ) extremity on contact
- K = factor of 1000
- —·—·—·- = radiological boundary

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

INSTRUMENTS USED

Instrument	Serial Number	Cal. Due Date
Bicron/FIDLER	3853/3965	12/29/2005
	NA	

Completed by: (Signature) RMCoblentz	HP# [redacted]	Date: 12-17-04
Completed by: (Printed Name) RMCoblentz		
Counted by: (Signature) N/A	HP#	Date:
Counted by: (Printed Name)		
Reviewed/Approved by: (Signature) Robert Collins	H[redacted]	Date: 12/17/04
Reviewed/Approved by: (Print Name) ROBERT COLLINS		

APPENDIX C

PRS Recommendation Sheets

Recommendation pages are not generated for PRSs that require Further Assessment (FA) or that are unbinned. Accordingly, there are no recommendation pages included for PRSs 7, 60, 61, and 62 included herein.

MIAMISBURG CLOSURE PROJECT
PRS 41

RECOMMENDATION:

Potential Release Site (PRS) 41 is located on the western portion of the site (Figure 1) and was binned Further Assessment by the Core Team on 2 October 1996. PRS 41 was identified based on potential impacts from historic thorium staging and re-drumming operations. Based on elevated historic soil sample results for plutonium-238, a portion of a small drainage feature within PRS 41 (41 Ditch) was also assessed. Further Assessment was performed and confirmed that thorium-232 (at PRS 41) and plutonium-238 (at 41 Ditch) exceed the cleanup objectives of 2.1 pCi/g and 55 pCi/g respectively. The cleanup objective is the 10^{-5} RBGV plus background.

Therefore, the Core Team recommends a **Removal Action** for PRS 41 and 41 Ditch.

This Removal Action will be performed under a specific Action Memorandum or under the Action Memorandum for Contingent Removal Actions. Successful completion of the Removal Action will be documented via an On-Scene Coordinator (OSC) Report signed by the Core Team, which will be placed in the Public Reading Room.

CONCURRENCE:

DOE/MCP: _____ 2/19/03
Robert S. Rothman, Remedial Project Manager (date)

USEPA: _____ 2/19/03
David P. Seely, Remedial Project Manager (date)

OEPA: _____ 2/19/03
Brian K. Nickel, Project Manager (date)

MOUND PLANT
PRS 63
Soil Contamination – Building 29

RECOMMENDATION:

This site became a PRS because of potential Cobalt-60 and Cesium-137 contamination. On May 31, 1984, a drainpipe, contaminated with these radionuclides, was removed from T Building and placed in a salvage area near Building 19. Contamination from the pipe was spread over a two square foot area of pavement outside Building 19. The pavement was decontaminated the following day.

In October 1996, a FIDLER detector indicated elevated gamma ray emissions. Subsequent measurements using a germanium detector confirmed these elevated readings, but could not confirm which isotopes were present.

The Core Team originally recommended Further Assessment for PRS 63. Subsequently, the cost of further investigation versus the cost of removing the potentially contaminated soils was evaluated. Cost estimates indicate that the cost of removal is not significantly greater than the cost of further assessment at PRS 63. Additionally Further Assessment findings may indicate the need for a Response (removal) Action, resulting in costs associated with both Further Assessment and Response Action. Therefore, the Core Team recommends a RESPONSE ACTION as a more cost-effective course of action for PRS 63.

CONCURRENCE:

DOE/MEMP: Arthur W. Kleinrath, Remedial Project Manager — 8/13/97 (date)

USEPA: Timothy J. Fischer, Remedial Project Manager — 8/18/97 (date)

OEPA: Brian K. Nickel, Project Manager — 8/13/97 (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 9/15/97 to 10/15/97

☐ No comments were received during the comment period.

☒ Comment responses can be found on page 1, 2 of this package.

Recommendation for PRS 63

Potential Release Site (PRS) 63 is an approximately two square foot area located on pavement. This site became a PRS due to "minor" unquantified cobalt-60 and cesium-137 contamination resulting from the inadvertent staging of a contaminated drainpipe that was removed from T Building and temporarily placed on the pavement in the salvage area east of Building 19.

The location and some of the data that was previously reported were incorrect. Based on the incorrect information, the Core Team recommended Further Assessment for PRS 63 and subsequently a Response Action (RA) in lieu of additional characterization.

In the process of preparing for a RA, the correct location and associated data surfaced and is the basis for this addendum. Data included herein supports that PRS 63 (the 1984 pipe incident) was not the source for the contaminated soil that was removed prior to the construction of Building 124. Survey and soil data from the removal activity did document that cobalt-60 and cesium-137 were not present (or not present above background) and not the activity causing the removal.

Therefore, the Core Team recommends **No Further Assessment** for PRS 63.

Confirmation under a regulator-approved Sampling & Analysis Plan that the soil (currently under the west end of Building 124) does not exhibit contamination above cleanup objectives will be performed following the demolition of Building 124 per the PRS 41 Public Fact Sheet. If contamination greater than cleanup objectives is found, a removal and verification will be performed.

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.

CONCURRENCE:

DOE/MCP:	Paul Lucas Paul Lucas, Remedial Project Manager	9/24/03 (date)
USEPA:	David P. Seely David P. Seely, Remedial Project Manager	9/19/03 (date)
OEPA:	Brian K. Nickel Brian K. Nickel, Project Manager	9/24/03 (date)