300502-0605080004

CH2M HILL Mound, Inc.
1075 Mound Road
P.O. Box 750
Miamisburg, OH 45343-0750

CH2MHILL

SMO-093/06
February 7, 2006

Mr. Don Pfister, Director
Miamisburg Closure Project
U. S. Department of Energy
175 Tri-County Parkway
Springdale, OH 45246

ATTENTION: Paul Lucas

SUBJECT: **Contract No. DE-AC24-03OH20152:** Deliverable #36 Building Data Package; Section C.2.1.1 Facility Demolition; Building WD Structure OSC Report, Final

Dear Mr. Pfister:

Attached is the following Final document for your records:

- Building WD Structure OSC Report, Final

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

Sincerely,

Michael D. Ebben
Site Manager

JL/jg

Enclosures

cc: T. Fischer, USEPA, (1) w/attachments
B. Nickel, OEPA, (1) w/attachments
R. Vandegrift, ODH, (1) w/attachments
J. Webb, ODH, (1) w/attachments
M. Wojciechowski, Tetra Tech, (1) w/attach
G. Gorsuch, DOE/MCP, (1) w/attachments
R. Tormey, DOE/OH, (1) w/attachments
G. Desai, DOE/HQ, (1) w/attachments
C. Kline, CH2M Hill, (1) w/attachments
F. Bullock, MMCIC (2) w/attachments
Public Reading Room (1) w/attachments
Admin Records, CH2M Hill, (2) w/attachs
ER Records, CH2M Hill, (1) w/attachs
DCC (1) w/attachments
M. Ebben, CH2M Hill, w/o attachments
K. Armstrong, CH2M Hill, w/o attachments
D. Rakel, CH2M Hill, w/o attachments
D. Kramer, CH2M Hill, w/o attachments
A. Upshaw, CH2M Hill, w/o attachments
MOAT Coordinator, CH2M Hill, w/o attachs
S. Barr, CH2M Hill, w/o attachments
M. McDougal, CH2M Hill, w/o attachments
file, CH2M Hill, w/o attachments

BUILDING WD STRUCTURE REMOVAL ACTION

Includes closure of PRSs 161 through 175, 179 through 208, 255, 256 & 257

OSC REPORT

February 2006

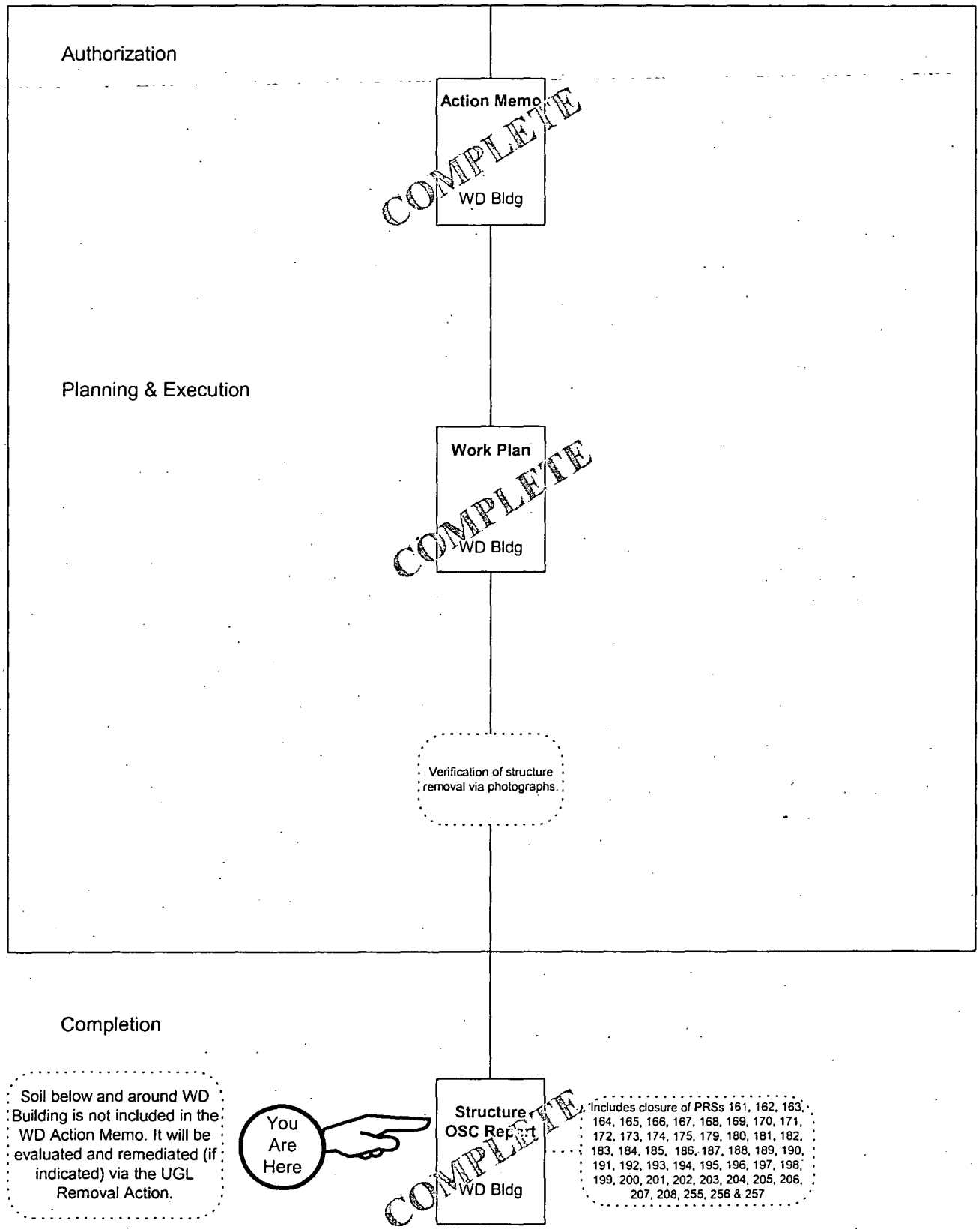
Final

Department of Energy
Miamisburg Closure Project

CH2MHILL

WD Building

WD Building and PRSs 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 255, 256 & 257



6Feb06dck

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Acronyms

AHR	Annex, High-Risk
ALR	Annex, Low-Risk
CEDE	Committed Effective Dose Equivalent
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cy	cubic yard
DAC	derived air concentration
DOE	Department of Energy
LSA	Low Specific Activity
MCP	Miamisburg Closure Project
NTS	Nevada Test Site
OEPA	Ohio Environmental Protection Agency
OSC	On-Scene Coordinator
PRP	Potentially Responsible Party
PRS	Potential Release Site
RA	Removal Action
UGL	Underground Lines
USEPA	United States Environmental Protection Agency
WD	Waste Disposal

Recommendation

The Building WD Removal Action (authorized via the Action Memorandum EE/CA Building WD Removal Action, Final Revision 1, August 2002) was performed based on radiological contamination from low specific activity (LSA) radioactive waste treatment activities that occurred within the building. The Action Memo included the demolition and disposal of Building WD, WD Annex, WD Stack, and 48 structural PRSs (PRSs 161 thru 175, 179 thru 208, 255, 256, and 257).

The removal action resulted in the disposal of approximately 7,576 cubic yards (cy) of material. The radioactive waste (approximately 7,506 cy) was sent to Envirocare and the Nevada Test Site (NTS), and the waste meeting release criteria (approximate 70 cy) was sent to the Stoney Hollow Landfill. The Building WD Action Memorandum only authorized the removal of the Building WD structures and slab; the remediation and verification of the soil below and around Building WD is authorized via the UGL Action Memorandum (Final, September 2003), and will be closed out in the UGL OSC Report.

Recommendation:

After a thorough review of the Building WD On-Scene Coordinator report, the Core Team agrees that the Removal Action of the Building WD structure and slab is complete, the PRS associated with Building WD are closed, and all previously existing environmental issues associated with the Building WD structure have been resolved.

Paul Lucas 9/29/05

Paul Lucas, OSC
U.S. Department of Energy
Springdale, Ohio

Timothy Fischer 9/29/05

Timothy Fischer, Remedial Project Manager
USEPA
Chicago, Illinois

Brian Nickel 9/29/05

Brian Nickel, Project Manager
OEPA
Dayton, Ohio

1.0 SUMMARY OF EVENTS

This section describes the background and events leading up to the removal action, parties involved in supporting the removal action, chronological narrative of the removal action, and resources committed to complete the project.

1.1 Site Conditions and Background The Action Memorandum, Building WD Removal Action, August 2002, Final (Revision 1) authorized the removal of Building WD. This Structure On-Scene Coordinator (OSC) Report documents only the Removal Action for Building WD (including the removal of the WD superstructure and slab, WD Annex, WD stack, and associated building component PRSs). The levels of radiological contamination present in Building WD warranted a Removal Action (RA) under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) and subsequent demolition of Building WD and associated structures.

The removal and verification of contaminated soil in the vicinity of Building WD will be performed per the UGL Action Memo (Final, September 2003), and closed via the UGL OSC Report.

Building WD Background

Building WD was the treatment facility for low specific activity (LSA) radioactive wastes generated by process activities at Mound. This building was designed and constructed in 1948. Since its construction, the building had been enlarged through the addition of an annex to the most recent size of 28,000 square feet. Building WD was a multi-story building with penthouses, a full basement, and a partial sub-basement. It was an irregular shape, and was 22 feet high, 135 feet wide, and 211 feet long. The exterior walls of the building were reinforced concrete and concrete block. The roof was a concrete slab. Penthouses had lightweight block and aluminum-siding walls with built-up steel roofs.

Active and inactive processes housed within the WD facility included alpha wastewater treatment, beta wastewater treatment, laboratory and bench-scale research, LSA waste drum repackaging, a glass furnace, and a packed bed reactor.

Appendix D provides photographs of the building before, during, and after demolition.

Associated Potential Release Sites (PRSs) and Previous Investigations.

Forty-eight (48) PRSs were included in the Building WD RA, and are closed out via this Building WD Structure OSC Report. The PRSs are listed on Table 1, and their locations shown on Figure 2.

Removal Action. The RA for Building WD was authorized in the Action Memorandum EE/CA Building WD Removal Action, August 2002, Final (Revision 1).

Since DOE is the sole responsible party for cleanup of contamination in Building WD, no Potentially Responsible Parties (PRPs) were sought to clean up the site. Monsanto

Research Corporation, EG&G Mound Applied Technologies, and BWXT of Ohio, Inc. were the operating contractors at the site from 1948 to 30 September 1988, from 1 October 1988 until 30 September 1997, and from 1 October 1997 until 31 December 2002 respectively. CH2M Hill Mound, Inc. became the site contractor for the Miamisburg Closure Project (MCP) effective January 1, 2003.

1.2 Organization of the Removal Action

Table 2 (Appendix B) lists the parties supporting the removal action and their responsibilities.

1.3 Objectives

Documentation Objective. The objective of this Building WD Structure OSC Report is to describe the removal action fieldwork, report the air monitoring results, and document successful completion of the RA. The contaminant of concern for this removal action was plutonium-238. Demolition debris quantities and disposition locations are presented in Table 3. The cost breakdown of the RA is presented in Table 4.

Remediation and verification of the soil under and around Building WD is not included in the scope of this RA. The soil RA is authorized in the UGL Action Memorandum, and will be closed out via the UGL OSC Report.

Removal Action Objectives. The objectives of the removal action included:

- Project Planning
- Public Notification
- Safe Shutdown
- Decontamination & Decommissioning
- Establish Work Zone for WD Annex and Building WD
- Decontamination of Interior of WD Annex
- Demolition of Interior areas of Building WD Annex
- Decontamination of Interior of Building WD
- Demolition of Interior of Building WD
- Demolition of Ductwork and HEPA Filter System
- Demolition of the Stacks
- Decontamination of Building WD Structure
- Demolition of Building WD Structure
- Remove Foundation
- Verification *(note the Action Memo indicated that the soil remediation and verification would be performed per the "Test Fire Valley Soils Action*

Memorandum;" however, that document was subsequently named "UGL Action Memorandum."

- Site Restoration *(will be performed following completion of the UGL Removal Action activities)*
- Documentation of Completion

Verification of the structure removal is provided in the photographs included in Appendix D.

1.4 Chronological Narrative of the Removal Action

The following is a chronological narrative of events surrounding the Building WD RA.

Timeframe	Activity
1948	Initial construction complete
1966 - 1970	WD Annex addition
2001	Operations ceased
August 2002	WD Building Final Action Memorandum issued
February 2004	Building WD structure and stack demolished
May 2004	Removed below grade waste tanks
May 2004	Sub-grade demolition
November 2004	Structure OSC Report generated

2.0 EFFECTIVENESS OF THE REMOVAL ACTION

The Building WD structures have been demolished, foundations removed, and the debris removed and properly disposed of per the Work Package (WD-01935-4-d). Photographs taken before, during and after demolition are included in Appendix D.

2.1 Actions Taken by Site Contractor

CH2M HILL Mound, Inc. personnel planned and performed removal action oversight, building decontamination, building dismantlement and demolition, and onsite transportation and staging of debris. The project met the removal action objectives as outlined in the Action Memorandum (Final, Revision 1 dated August 2002). CH2M Hill Mound, Inc. personnel prepared the Structure OSC Report, which shows that the Removal Action objectives were achieved.

In accordance with the RA, the following actions were taken: public notification of the RA, demolition of the structure, and proper disposal of the debris. This Structure OSC Report provides the documentation of completion for the removal of Building WD. Soil

below Building WD is not included in this RA, but will be remediated and verified per the UGL Action Memo, and closed out via the UGL OSC Report.

Building Dismantlement and Demolition

To prevent the generation of airborne radioactive contamination during demolition activities, engineering controls were employed. These controls included (but were not limited to) fixing contamination using liquid fixatives and/or foam, acid etching fixed contamination locations to remove the contamination, and using water misting to prevent fugitive dust emissions. All wastewater generated was sampled to assure compliance with release criteria (release criteria are documented in Section 16.2 of the Manual of Environmental Practices) and released or packaged for disposal in accordance with Mound Waste Management Procedures.

Liquid and foam fixatives were used inside contaminated pipes and ductwork to prevent the contamination from becoming airborne during demolition. The resulting debris was disposed of as low-level waste. Acid etching was done as part of the isotopic analysis of certain contaminated areas of concrete. The resulting samples were analyzed by gamma and/or alpha spectroscopy, as appropriate. The sample was then disposed of through the appropriate waste stream. Water misting was performed to knock down fugitive dust. Any contamination potentially spread by fugitive dust would be found during the soil sampling effort in the verification sampling activities for the UGL RA.

Prior to demolition, Radiological Controls performed an evaluation of the radiological history of the building, and radiological surveys to identify debris within the building that met surface release criteria. Only material that met surface release criteria was released to Stoney Hollow Landfill (see Table 3). All radioactively contaminated debris was size reduced and packaged to meet the Envirocare waste acceptance criteria.

WD Building was removed; photograph documentation is contained in Appendix D.

Air Monitoring for Worker Safety

During demolition activities, the Mound Radiological Control organization performed air monitoring to confirm a safe work environment, in accordance with 10 CFR 835. Air monitoring results (including the monitor locations relative to the demolition activities and wind direction) from the stack and building demolition are provided in Appendix E. On each day that demolition activities were performed, at least two air monitors were used at any given time (one upwind of the work area and the other downwind of the work area). The monitors were repositioned in response to changes in wind direction.

During Demolition of the WD Annex penthouse containing PRS 255 and PRS 256 (WD Building Stack Annex, Low-Risk (ALR) and WD Building Stack Annex, High-Risk (AHR) respectively) using heavy equipment, a sudden unexpected partial collapse of the penthouse floor caused a small but visible emission of dust. The dust was observed moving in a northwesterly direction despite the engineering control of constant water application from a two-inch fire hose operated from an aerial lift above the demolition. A

low volume air sample located directly downwind from the demolition was analyzed immediately after the event. After allowing for decay, the final demolition zone airborne concentration was 6.6 DAC (Appendix E). Although the monitor near the work site indicated these slightly increased emissions, site perimeter monitors indicate that emissions were well within the regulatory limits established for doses to the public. A site internal communication regarding this item is provided in Appendix C.

The estimated committed effective dose equivalents (CEDEs) from air emissions from MCP operations in CY2004 are documented in the Radionuclide Air Emissions Annual Report (June 2005).

Several months after demolition completion it was noted that monitoring well 0323 was damaged. This well was abandoned in accordance with the State of Ohio Well Abandonment Guidelines and documented with a well sealing report.

2.2 Actions Taken by Local, State, and Federal Agencies

The Department of Energy (DOE)/MCP, the United States Environmental Protection Agency (USEPA), and Ohio EPA (OEPA) had oversight responsibility for the removal action. The DOE/MCP was the lead agency for the RA and provided the funding and oversight for the RA. The USEPA and OEPA had oversight responsibility for the RA and review of the Action Memorandum and OSC Reports to ensure that the objectives are/were met.

2.3 Actions Taken by Subcontractors

Subcontractors involved in the project included the following:

- ❑ BNFL, British Nuclear Fuels, Inc. 1235 Jefferson Davis Highway, Arlington Va., 22202 – demolition activities.

3.0 DIFFICULTIES ENCOUNTERED

3.1 Items that Affect the Removal Action

No difficulties were encountered that affected the removal action.

3.2 Issues of Intergovernmental Coordination

All DOE/USEPA/OEPA interactions were good. The agencies were updated informally on a regular basis, and formally at monthly Core Team meetings. The Mound 2000 Process worked well.

4.0 RECOMMENDATIONS

4.1 Means to Prevent a Recurrence

The building debris was removed and properly disposed of per the Core Team-approved work plan (WD-01935-4-d); therefore, the spread of contamination was prevented. Removal of the Building WD structures and slabs concludes the scope of this RA.

The soil in the Building WD footprint and surrounding area will be remediated and verified in accordance with the UGL Action Memorandum. The UGL RA will be closed out via the UGL OSC Report. Once both removal actions are complete, the area will be transferred from federal to private ownership. All State and Federal disposal rules will apply.

APPENDIX A

FIGURES

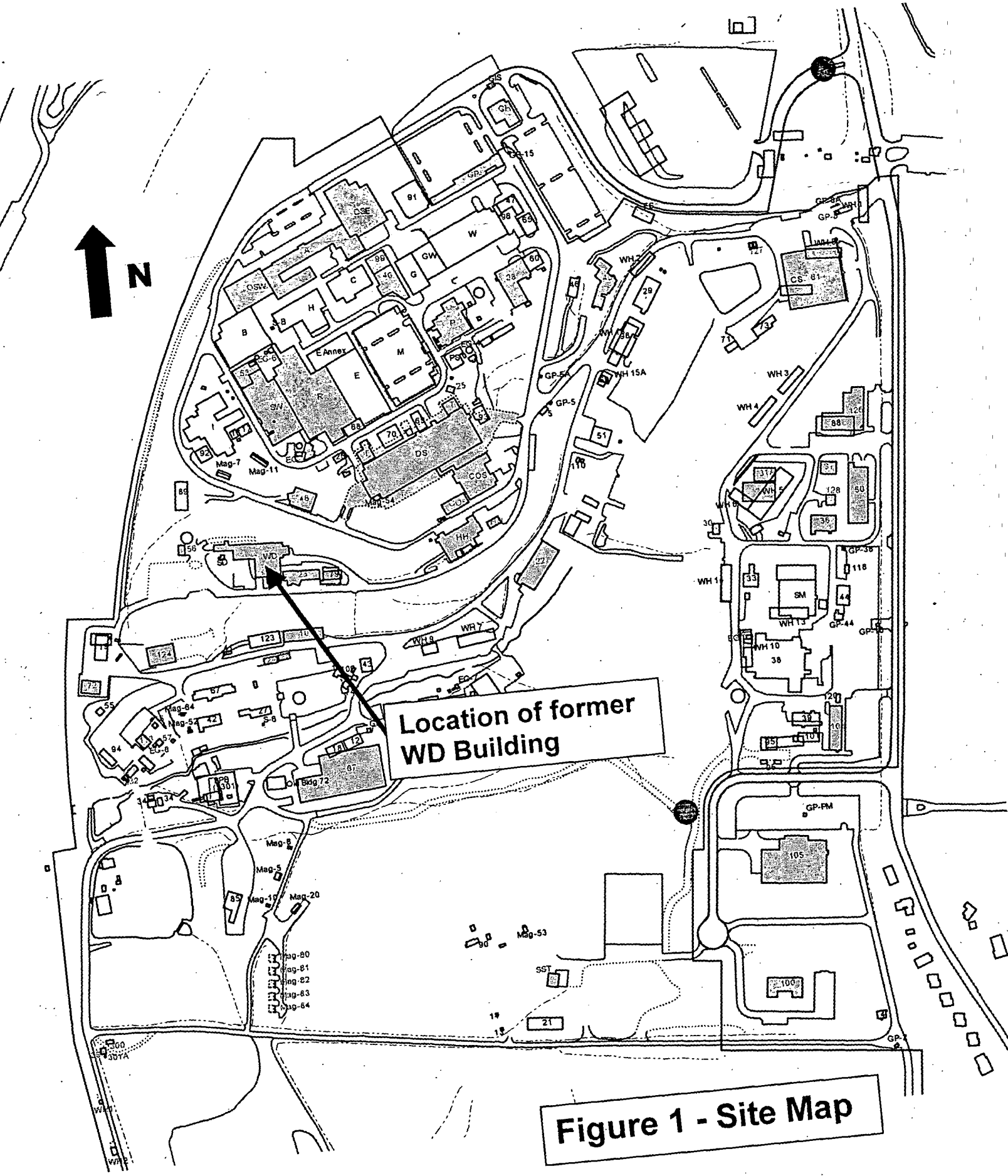
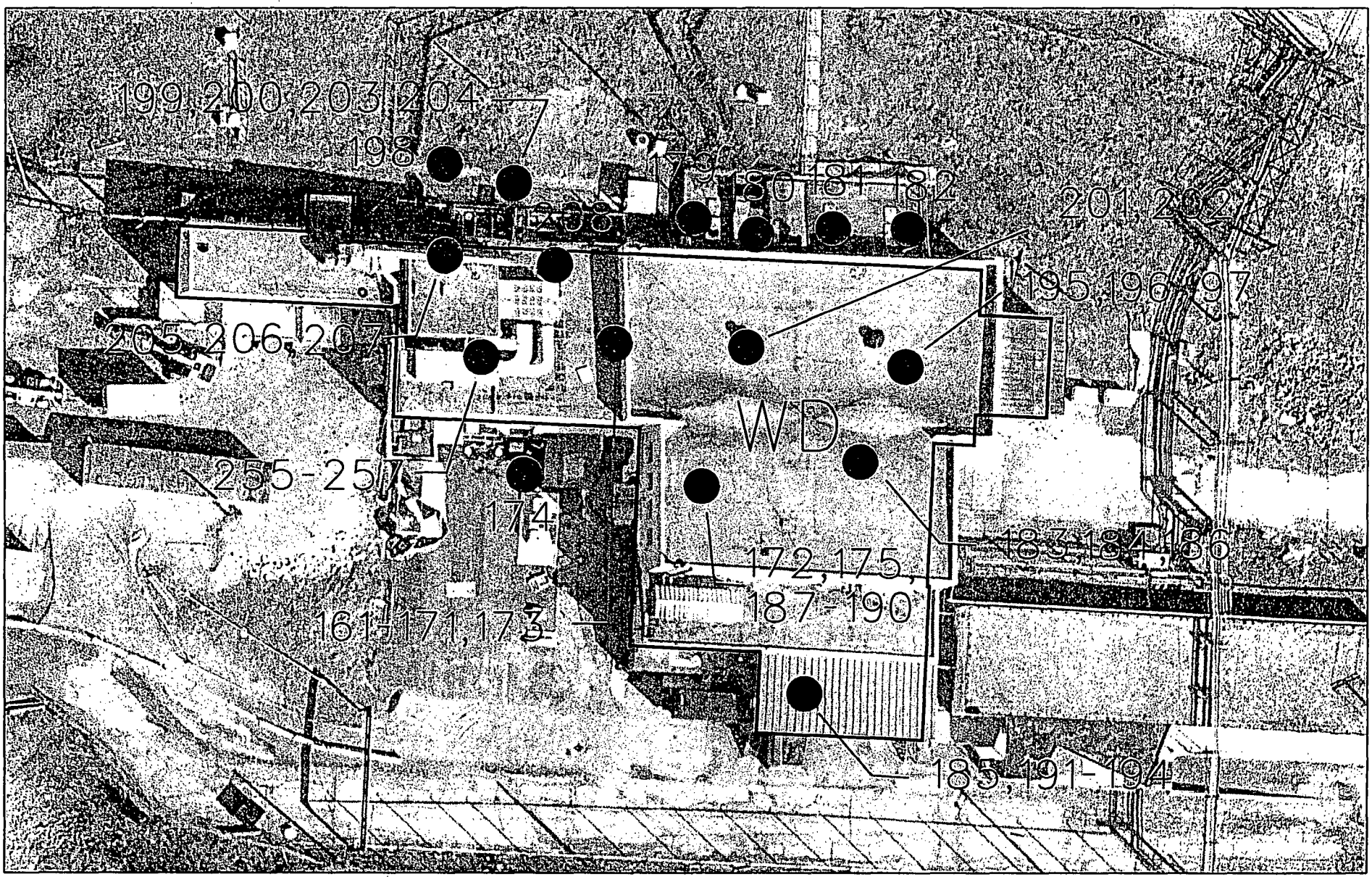


Figure 1 - Site Map



PRS Point

PRS Area

PRS Line

20 10 0 20 40FT

GRAPHIC SCALE

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

Figure 2:
WD Building and Vicinity

DRAWING CLASSIFICATION: UNCLASSIFIED

SIZE | DRAWING NUMBER: vicinity.dgn | JOB NUMBER

DWG TYPE: STE | PROJ: ER-GIS | CAGEC | SCALE | SHEET 1 OF 1

STATUS: MD-REL-03/25/03 | ORIGIN: MSTATION / J

ISS	DATE	REVISION	BY	CHKR	DWG	LPREC	APVD	B
	10/07/04		SSF					

APPENDIX B

TABLES

Table 1: PRSs Closed via this Building WD Structure OSC Report

PRS	Description
161	Glass Melter Furnace
162	Glass Melter Feed Drum
163	Off-Gas Treatment System Deluge Tank
164	Off-Gas Treatment System Venturi Scrubber
165	Off-Gas Treatment System Cyclone Demister
166	Off-Gas Treatment System HEPA Filter
167	Off-Gas Treatment System WD Building Filter Bank
168	Off-Gas Treatment System Recycle Tank
169	Off-Gas Treatment System Strainer
170	Off-Gas Treatment System Leaf Solution Filter
171	Off-Gas Treatment System Iodine Absorption Filter
172	WDA Building Basement Wash Sump (Tank 11) (a.k.a. Glass Melter Room Sump)
173	Cyclone Incinerator (Removed in 1990)
174	WD Building Drum Staging Area
175	Area 4, WD Building Influent Tank Overflow
179	WD Building Alpha Wastewater Influent Tank (Tank 3)
180	WD Building Alpha Wastewater Influent Tank (Tank 4)
181	WD Building Alpha Wastewater Influent Tank (Tank 5)
182	WD Building Alpha Wastewater Influent Tank (Tank 6)
183	Room WD-1 Basement Sump (Tank 12)
184	Room WD-1 Alpha Wastewater Sump (Tank 17)
185	Room WD-1 Sanitary Waste Sump (Tank 134)
186	Room WD-8 Alpha Wastewater Sump (Tank 18)
187	WD Building Alpha Wastewater Clariflocculators (2 units)
188	WD Building Alpha Wastewater Mixing Box
189	WD Building Alpha Wastewater Sand Filters (2 units)
190	WD Building Alpha Wastewater Bone Char Columns (2 units)
191	WD Building Alpha Wastewater Effluent Tank (Tank 7)
192	WD Building Alpha Wastewater Effluent Tank (Tank 8)
193	WD Building Alpha Wastewater Effluent Tank (Tank 9)
194	WD Building Alpha Wastewater Effluent Tank (Tank 10)
195	WD Building Alpha Wastewater Sludge Pits (2 units)
196	WD Building Alpha Wastewater Sludge Solidification/Drumming Unit
197	WD Building Solid Radioactive Waste Compactor
198	WDA Building Basement Sanitary Waste Tank (Tank 135)

PRS	Description
199	WDA Building Beta Wastewater Influent Tank (Tank 13)
200	WDA Building Beta Wastewater Influent Tank (Tank 14)
201	WDA Building Beta Wastewater Metering Station
202	WDA Building Beta Wastewater Mixing/Solidification Unit
203	WDA Building Alpha Wastewater Influent tank (Tank 15)
204	WDA Building Alpha Wastewater Influent tank (Tank 16)
205	WDA Building Alpha Effluent Tank (Tank 214)
206	WDA Building Alpha Effluent Tank (Tank 215)
207	WDA Building Alpha Effluent Tank (Tank 216)
208	WDA Building Solidification Unit
255	WD Building Stack Annex, Low-Risk (ALR)
256	WD Building Stack Annex, High-Risk (AHR)
257	WD Building Stack, Stainless Steel (SS)

Table 2: Organization of the Removal Action

Agency or Party Involved	Contact	Description of Participation
US EPA (SR-6J) 77 W. Jackson Chicago, IL 60604 312-886-7058	Timothy Fischer USEPA Remedial Project Manager	Federal agency responsible for MCP oversight.
Ohio EPA 410 E. Fifth Street Dayton, OH 45402-2911 937-285-6468	Brian Nickel OEPA Remedial Project Manager	State agency responsible for MCP oversight.
DOE/ MCP P.O. Box 66 1 Mound Road Miamisburg, OH 45343-0066 937-847-8350, ext. 304	Paul Lucas DOE/MCP Remedial Project Manager	DOE is responsible for project oversight and success.
CH2M Hill Mound, Inc. P.O. Box 3030 1 Mound Road Miamisburg, OH 45343-3030 937-608-8007	Chris Watson	Performed demolition, provided the DOE/ MCP Project Manager with technical assistance, administrative support, sampling, decontamination, site safety, and report preparation.

Table 3: Materials and Disposition

Debris	Quantity	Method	Location
Construction Debris	70 cubic yards	Landfill	Stoney Hollow of Ohio
Radioactive Waste (demolition debris/other waste)	7,506 cubic yards*	Rail/Truck	Envirocare of Utah/ Nevada Test Site of Nevada

* Includes solidified liquid wastes.

Table 4: Estimated Removal Costs

Activity	Cost
Planning	$166,000
Facility Preparation	$740,000
Rad Support	$179,000
Demolition	$6,200,000
Total	**$7,285,000**

Note: Estimated costs includes Buildings WD, 23, and 125.

APPENDIX C

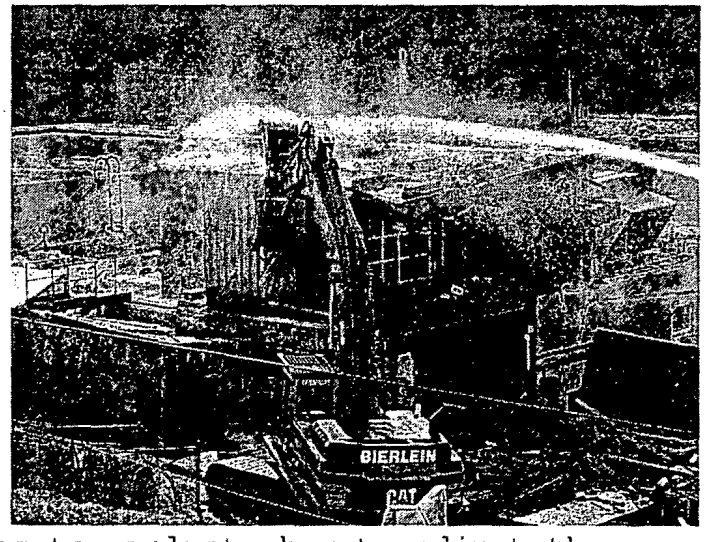
SITE INTERNAL INFORMATION

Title: WD Building – Penthouse Demolition Event .....

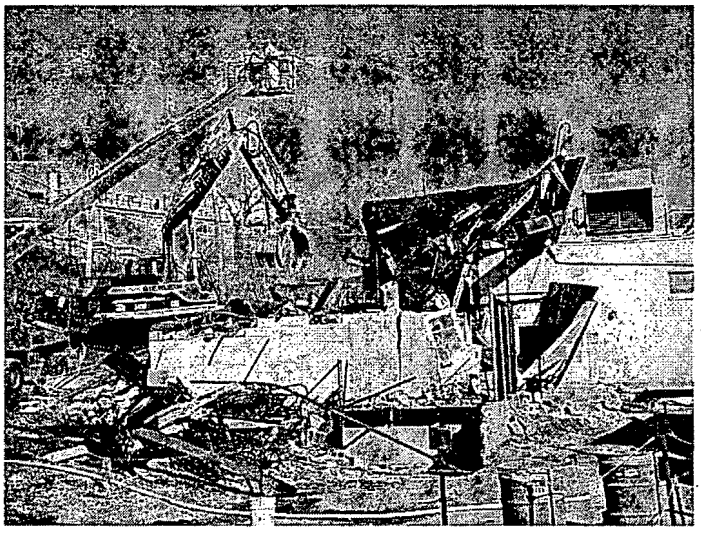
Project: BOSS - Subcontractor
Location: WD Building

Lessons Learned: Despite good planning and a sound demolition work package, unexpected things can occur. Being prepared for the unexpected and stopping work immediately when the work doesn't go as expected prove time and time again the right thing to do. The only safe way to do work.

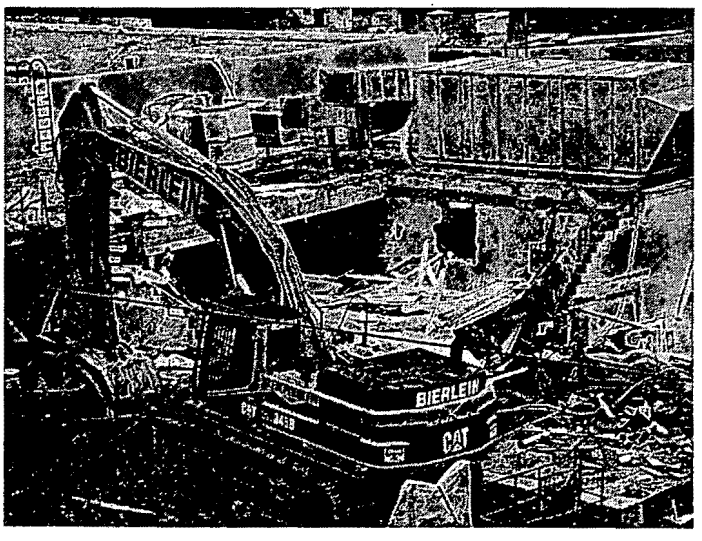
Discussion: On Wednesday March 10, 2004 while performing demolition of the WD facility, the supporting structure for the penthouse unit on the west side of the facility 2 stories above grade buckled causing the penthouse to react unexpectedly. The operator compensated for the reaction by pulling the corner of the penthouse to the ground swiftly causing visible dust to be emitted. The operator secured the penthouse and immediately stopped demolition activities. At the time of this drop, adequate radiological controls were in place and there was no release of contamination outside of controlled areas, and there were no personnel contamination or uptakes. Air samples were counted and notifications made. A briefing was held with all affected parties to evaluate how to adjust the work planning documents to remove the remaining penthouse. The plan was implemented and the remaining penthouse was removed. Additional control measures were put in place to avoid further visible dust issues by utilizing 2 more water sources for dust suppression.



Operator pulls penthouse down



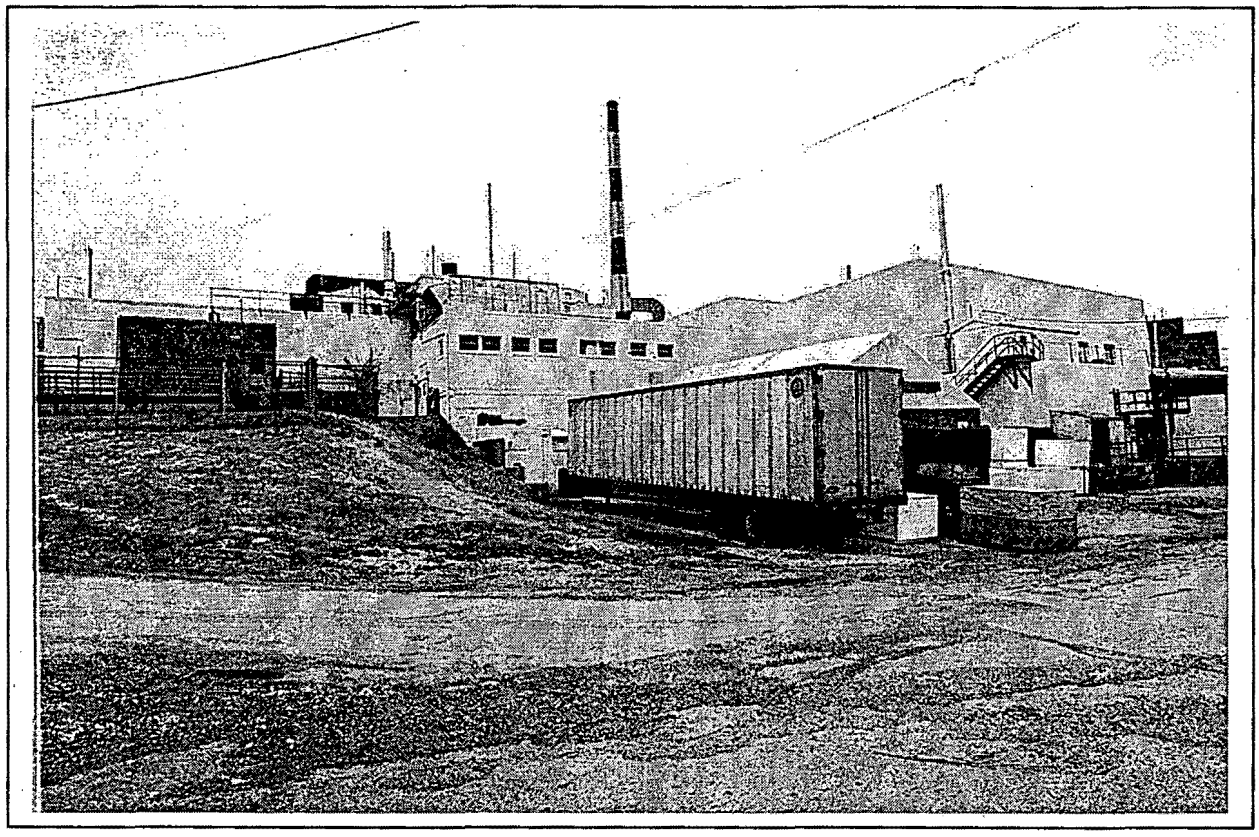
Penthouse in WD Basement



APPENDIX D

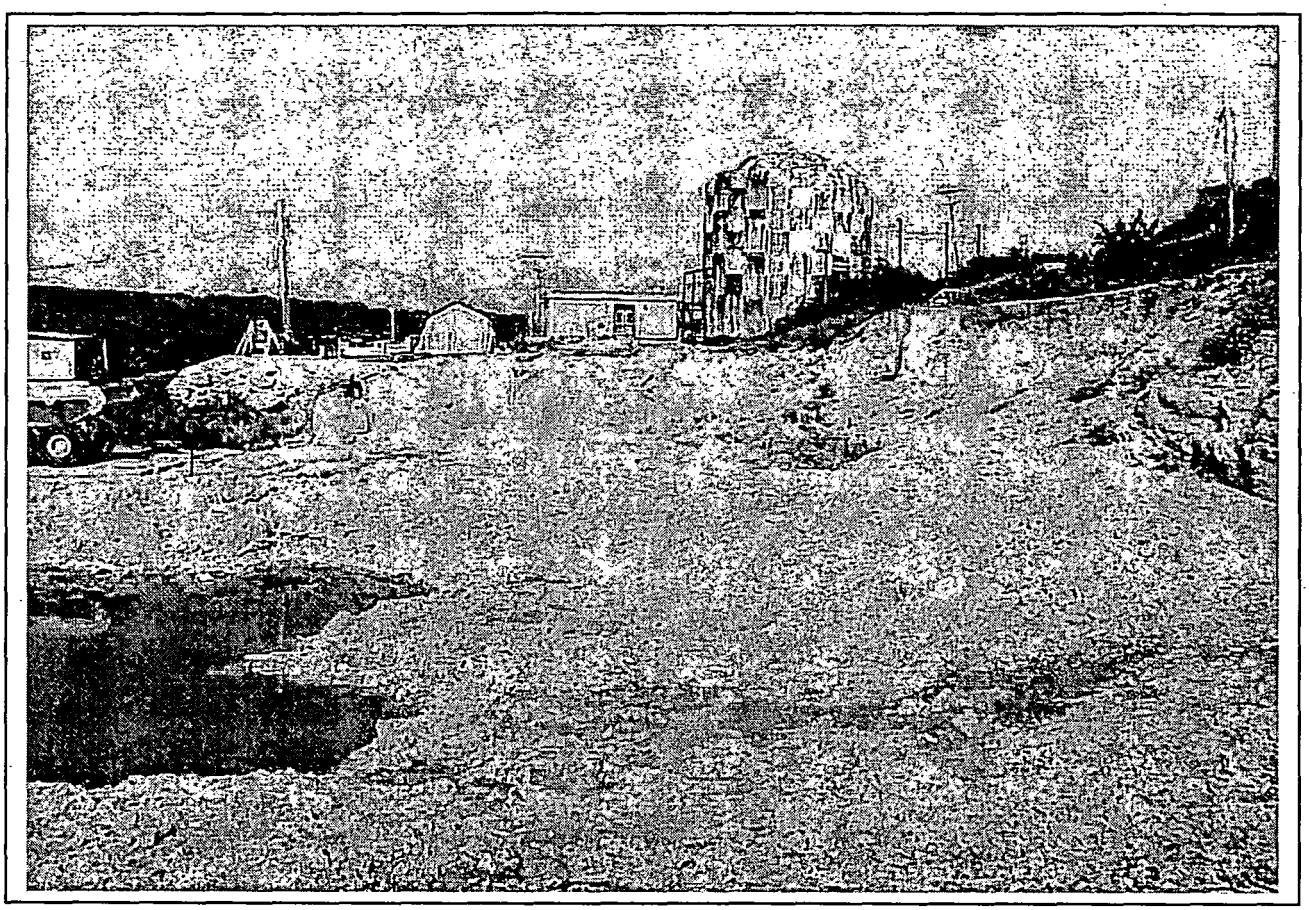
PHOTOGRAPH DOCUMENTATION

Picture 1: Building WD Prior to Demolition



Picture 2: Building WD During Demolition

Picture 3: Building WD Area after Demolition



APPENDIX E

RADIOLOGICAL AIR MONITORING RESULTS

RADIOLOGICAL AIR MONITORING RESULTS

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	25451	3/9/2004	0596	Downwind East	Routine (Daily)	0.000
1569	25464	3/9/2004	0595	South/West	Boundary Verification	0.000
1569	25461	3/9/2004	0595	North	Boundary Verification	0.044
1569	25463	3/9/2004	0595	South/East	Boundary Verification	0.000
1569	25466	3/9/2004	0595	West	Boundary Verification	0.023
1569	25465	3/9/2004	0595	North/east	Boundary Verification	0.030
1569	25462	3/9/2004	0595	East	Boundary Verification	0.000
1569	25430	3/10/2004	0598	N. W.	Boundary Verification	6.664*
1569	25471	3/10/2004	0598	South/west	Boundary Verification	0.020
1569	25475	3/10/2004	0598	West	Material Conf. C & V	0.003
1569	25470	3/10/2004	0598	South/east	Material Conf. C & V	0.000
1569	25476	3/10/2004	0598	RBA	Job Coverage	0.008
1569	25482	3/10/2004	0598	NE	Boundary Verification	0.002
1569	25483	3/10/2004	0598	NE	Boundary Verification	0.005
1569	25488	3/10/2004	0598	East end - TR 34	Boundary Verification	0.000
1569	25481	3/10/2004	0598	outside	Boundary Verification	0.488
1569	25485	3/10/2004	0598	o/s rm 12	Boundary Verification	0.000
1569	25487	3/10/2004	0598	East	Early Warning	0.000
1569	25486	3/10/2004	0598	East	Boundary Verification	0.000
1569	25484	3/10/2004	0598	NW	Boundary Verification	0.085
1569	25436	3/11/2004	0603	8	Posting Verification	0.000
1571	25443	3/11/2004	0603	W	Boundary Verification	0.002
1569	25449	3/11/2004	0603	NW #1	Boundary Verification	0.006
1569	25444	3/11/2004	0603	E	Boundary Verification	0.006
1569	25447	3/11/2004	0603	SE	Boundary Verification	0.001
1569	25448	3/11/2004	0603	SW	Job Coverage	0.000
1569	25445	3/11/2004	0603	NE	Boundary Verification	0.003
1569	25437	3/11/2004	0603	TR-34	Boundary Verification	0.000
1569	25435	3/11/2004	0603	West	Boundary Verification	0.004
1569	25442	3/11/2004	0603	Tr 34	Material Conf. C & V	0.022
1569	25450	3/11/2004	0603	#8	Boundary Verification	0.000
1569	25509	3/12/2004	0605	#2 W	Boundary Verification	0.003
1569	25504	3/12/2004	0605	#7 Tr 34	Boundary Verification	0.000
1569	25495	3/12/2004	0605	5 E	Boundary Verification	0.004
1569	25496	3/12/2004	0605	6 NE	Boundary Verification	0.002
1569	25506	3/12/2004	0605	#4 SE	Boundary Verification	0.000
1569	25510	3/12/2004	0605	#3 SW	Boundary Verification	0.000
1569	25508	3/12/2004	0605	#1 NW	Early Warning	0.000
1569	25500	3/12/2004	0605	#8 NNW	Boundary Verification	0.000
1569	25499	3/12/2004	0605	West #2	Boundary Verification	0.005
1569	25497	3/12/2004	0605	TR 34 #2	Posting Verification	0.000
1569	25494	3/12/2004	0605	1 NW	Boundary Verification	0.000

** A site internal communication regarding this item is provided in Appendix C.*

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	25507	3/12/2004	0605	SW #3	Boundary Verification	0.000
1569	25492	3/12/2004	0605	3	Posting Verification	0.013
1569	25493	3/12/2004	0605	4 SE	Material Conf. C & V	0.000
1569	25578	3/15/2004	0609	West	Boundary Verification	0.002
1569	25571	3/15/2004	0609	TR-34	Boundary Verification	0.003
1569	25574	3/15/2004	0609	3-SW	Boundary Verification	0.000
1569	25570	3/15/2004	0609	E-5	Posting Verification	0.000
1569	25572	3/15/2004	0609	4-SE	Material Conf. C & V	0.000
1569	25573	3/15/2004	0609	5-E	Boundary Verification	0.000
1569	25576	3/15/2004	0609	6-NE	Boundary Verification	0.005
1571	25566	3/15/2004	0609	NW	Posting Verification	0.000
1569	25575	3/15/2004	0609	North	Boundary Verification	0.000
1569	25577	3/15/2004	0609	6-NE	Boundary Verification	0.023
1569	25611	3/16/2004	0620	#2-w	Boundary Verification	0.004
1569	25612	3/16/2004	0620	#6-n/e	Boundary Verification	0.003
1569	25607	3/16/2004	0620	#7-tr34	Job Coverage	0.000
1569	25608	3/16/2004	0620	#3-s/w	Boundary Verification	0.000
1569	25610	3/16/2004	0620	#5-e	Boundary Verification	0.000
1569	25609	3/16/2004	0620	#4-s/e	Boundary Verification	0.004
1569	25606	3/16/2004	0620	8	Posting Verification	0.000
1569	25605	3/16/2004	0620	#1-n/w	Job Coverage	0.000
1569	25559	3/17/2004	0624	na	Boundary Verification	0.000
1569	25563	3/17/2004	0624	2	Boundary Verification	0.001
1569	25564	3/17/2004	0624	6-NE	Boundary Verification	0.002
1569	25553	3/17/2004	0624	1-NE	Posting Verification	0.000
1569	25555	3/17/2004	0624	3-SW	Boundary Verification	0.000
1569	25556	3/17/2004	0624	4-SE	Boundary Verification	0.000
1569	25560	3/17/2004	0624	8-N	Posting Verification	0.000
1569	25562	3/17/2004	0624	9-SW	Boundary Verification	0.000
1569	25558	3/17/2004	0624	5-E	Boundary Verification	0.000
1569	25561	3/17/2004	0624	9-SW	Boundary Verification	0.013
1569	25557	3/17/2004	0624	4-SE	Boundary Verification	0.000
1569	25554	3/17/2004	0624	3-SW	Boundary Verification	0.000
1569	25614	3/18/2004	0630	#2-w	Boundary Verification	0.001
1569	25619	3/18/2004	0630	#7-s/w	Boundary Verification	0.000
1569	25620	3/18/2004	0630	#4-s/e	Boundary Verification	0.000
1569	25621	3/18/2004	0630	#5-e	Boundary Verification	0.000
1569	25622	3/18/2004	0630	#3-s	Boundary Verification	0.000
1569	25613	3/18/2004	0630	#6 NE	Boundary Verification	0.002
1569	25624	3/18/2004	0630	#1	Posting Verification	0.000
1569	25623	3/18/2004	0630	#8	Posting Verification	0.000
1569	25588	3/19/2004	0634	7-SW	Boundary Verification	0.000
1569	25594	3/19/2004	0634	#2w	Boundary Verification	0.002
1569	25587	3/19/2004	0634	4-SE	Boundary Verification	0.000
1569	25585	3/19/2004	0634	3-S	Boundary Verification	0.000

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	25586	3/19/2004	0634	4-SE	Boundary Verification	0.011
1569	25595	3/19/2004	0634	#6ne	Boundary Verification	0.002
1569	25584	3/19/2004	0634	1-NW	Posting Verification	0.000
1569	25589	3/19/2004	0634	8-N	Boundary Verification	0.006
1569	25742	3/22/2004	0639	W	Boundary Verification	0.001
1569	25726	3/22/2004	0639	SW	Boundary Verification	0.000
1569	25732	3/22/2004	0639	N	Posting Verification	0.000
1569	25722	3/22/2004	0639	NW	Boundary Verification	0.000
1569	25723	3/22/2004	0639	S	Boundary Verification	0.000
1569	25725	3/22/2004	0639	E	Boundary Verification	0.005
1569	25724	3/22/2004	0639	SE	Boundary Verification	0.000
1569	25743	3/22/2004	0639	NE	Boundary Verification	0.008
1569	25755	3/23/2004	0646	NW	Boundary Verification	0.000
1569	25761	3/23/2004	0646	SW	Boundary Verification	0.000
1569	25756	3/23/2004	0646	W	Boundary Verification	0.002
1569	25762	3/23/2004	0646	N	Boundary Verification	0.000
1569	25760	3/23/2004	0646	NE	Boundary Verification	0.005
1569	25757	3/23/2004	0646	S	Boundary Verification	0.000
1569	25758	3/23/2004	0646	SE	Boundary Verification	0.000
1569	25759	3/23/2004	0646	E	Boundary Verification	0.000
1569	25705	3/24/2004	0651	S	Boundary Verification	0.000
1569	25704	3/24/2004	0651	W	Boundary Verification	0.014
1569	25706	3/24/2004	0651	S	Boundary Verification	0.003
1569	25707	3/24/2004	0651	E	Boundary Verification	0.000
1569	25708	3/24/2004	0651	NE	Boundary Verification	0.005
1569	25709	3/24/2004	0651	SW	Boundary Verification	0.009
1569	25703	3/24/2004	0651	NW	Boundary Verification	0.000
1569	25710	3/24/2004	0651	N	Boundary Verification	0.000
1569	25671	3/25/2004	0664	W	Boundary Verification	0.002
1571	25676	3/25/2004	0664	SW	Boundary Verification	0.000
1569	25670	3/25/2004	0664	NW	Boundary Verification	0.000
1569	25672	3/25/2004	0664	S	Boundary Verification	0.000
1569	25675	3/25/2004	0664	NE	Boundary Verification	0.010
1569	25673	3/25/2004	0664	SE	Boundary Verification	0.000
1569	25674	3/25/2004	0664	E	Boundary Verification	0.000
1569	25677	3/25/2004	0664	N	Boundary Verification	0.000
1569	25727	3/26/2004	0669	W	Boundary Verification	0.007
1569	25733	3/26/2004	0669	SW	Boundary Verification	0.000
1569	25730	3/26/2004	0669	E	Boundary Verification	0.000
1569	25731	3/26/2004	0669	NE	Boundary Verification	0.002
1569	25728	3/26/2004	0669	S	Boundary Verification	0.000
1569	25721	3/26/2004	0669	NW	Boundary Verification	0.004
1569	25734	3/26/2004	0669	N	Boundary Verification	0.000
1569	25729	3/26/2004	0669	SE	Boundary Verification	0.000
1571	25739	3/26/2004	0669	n/a	Not Applicable	0.054

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	25801	3/29/2004	0670	3-s	Boundary Verification	0.000
1569	25804	3/29/2004	0670	6-ne	Boundary Verification	0.040
1569	25799	3/29/2004	0670	1-nw	Boundary Verification	0.000
1569	25806	3/29/2004	0670	8-n	Boundary Verification	0.000
1569	25807	3/29/2004	0670	#9-nne	Boundary Verification	0.017
1569	25800	3/29/2004	0670	2-w	Boundary Verification	0.049
1569	25805	3/29/2004	0670	#7tr-34	Boundary Verification	0.000
1569	25802	3/29/2004	0670	4-se	Boundary Verification	0.003
1569	25803	3/29/2004	0670	5-e	Boundary Verification	0.000
1569	25862	3/30/2004	0676	#3s	Boundary Verification	0.000
1569	25863	3/30/2004	0676	#4se	Boundary Verification	0.000
1569	25864	3/30/2004	0676	#5e	Boundary Verification	0.000
1569	25865	3/30/2004	0676	#6ne	Boundary Verification	0.002
1569	25867	3/30/2004	0676	#8n	Boundary Verification	0.000
1569	25868	3/30/2004	0676	#9 bldg 48	Boundary Verification	0.000
1569	25861	3/30/2004	0676	#2w	Boundary Verification	0.005
1569	25860	3/30/2004	0676	#1nw	Boundary Verification	0.000
1569	25866	3/30/2004	0676	#7sw	Boundary Verification	0.008
1569	25829	3/31/2004	0692	#1nw	Boundary Verification	0.000
1569	25830	3/31/2004	0692	#2w	Boundary Verification	0.005
1569	25831	3/31/2004	0692	#3sw	Boundary Verification	0.003
1569	25832	3/31/2004	0692	#4se	Boundary Verification	0.006
1569	25833	3/31/2004	0692	#5e	Boundary Verification	0.000
1569	25834	3/31/2004	0692	#6ne	Boundary Verification	0.000
1569	25835	3/31/2004	0692	#7w	Boundary Verification	0.000
1569	25836	3/31/2004	0692	#8n	Posting Verification	0.000
1569	25837	3/31/2004	0692	#9,bldg48	Boundary Verification	0.000
1569	25816	4/1/2004	0698	#2w	Boundary Verification	0.001
1569	25851	4/1/2004	0694	#8n	Boundary Verification	0.000
1569	25852	4/1/2004	0694	#9 bldg 48	Boundary Verification	0.000
1569	25844	4/1/2004	0694	#1nw	Boundary Verification	0.000
1569	25845	4/1/2004	0694	#2w	Boundary Verification	0.003
1569	25848	4/1/2004	0694	#5e	Boundary Verification	0.006
1569	25850	4/1/2004	0694	#7w	Posting Verification	0.003
1569	25849	4/1/2004	0694	#6ne	Boundary Verification	0.004
1569	25846	4/1/2004	0694	#3sw	Boundary Verification	0.000
1569	25847	4/1/2004	0694	#3se	Boundary Verification	0.007
1569	25819	4/2/2004	0698	#5-e	Boundary Verification	0.000
1569	25820	4/2/2004	0698	#6-ne	Boundary Verification	0.016
1569	25821	4/2/2004	0698	#7w	Posting Verification	0.000
1569	25818	4/2/2004	0698	#4-se	Boundary Verification	0.008
1569	25817	4/2/2004	0698	#3-sw	Boundary Verification	0.000
1569	25822	4/2/2004	0698	#8n	Posting Verification	0.000
1569	25823	4/2/2004	0698	#9 bd-48	Boundary Verification	0.005
1569	25815	4/2/2004	0698	#1-nw	Boundary Verification	0.000

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	25931	4/5/2004	0699	#2w	Posting Verification	0.001
1569	25936	4/5/2004	0699	#7 trlr 34	Boundary Verification	0.000
1569	25930	4/5/2004	0699	#1nw	Posting Verification	0.000
1569	25937	4/5/2004	0699	#8n	Boundary Verification	0.000
1569	25938	4/5/2004	0699	#9 bldg 48	Posting Verification	0.005
1569	25932	4/5/2004	0699	#3sw	Boundary Verification	0.000
1569	25934	4/5/2004	0699	#5e	Boundary Verification	0.003
1569	25935	4/5/2004	0699	#6ne	Boundary Verification	0.015
1569	25933	4/5/2004	0699	#4se	Posting Verification	0.000
1571	25970	4/6/2004	0705	#4se	Posting Verification	0.000
1571	25969	4/6/2004	0705	#3sw	Posting Verification	0.000
1571	25972	4/6/2004	0705	#6ne	Posting Verification	0.006
1571	25967	4/6/2004	0705	#1nw	Posting Verification	0.000
1571	25974	4/6/2004	0705	#8n	Posting Verification	0.000
1571	25975	4/6/2004	0705	#9 bldg 48	Posting Verification	0.003
1571	25971	4/6/2004	0705	#5e	Posting Verification	0.000
1571	25973	4/6/2004	0705	#7 tr34	Posting Verification	0.000
1571	25968	4/6/2004	0705	#2w	Posting Verification	0.004
1569	25949	4/7/2004	0717	#3sw	Boundary Verification	0.000
1569	25950	4/7/2004	0717	#4se	Boundary Verification	0.003
1569	25951	4/7/2004	0717	#5e	Boundary Verification	0.004
1569	25947	4/7/2004	0717	#1nw	Boundary Verification	0.000
1569	25953	4/7/2004	0717	#7sw	Boundary Verification	0.000
1569	25948	4/7/2004	0717	#2w	Boundary Verification	0.036
1569	25952	4/7/2004	0717	#6ne	Boundary Verification	0.008
1569	25954	4/7/2004	0717	#8n	Boundary Verification	0.000
1569	25955	4/7/2004	0717	#9n	Boundary Verification	0.000
1571	26008	4/8/2004	0720	#3sw	Boundary Verification	0.000
1571	26009	4/8/2004	0720	#4se	Boundary Verification	0.008
1571	26010	4/8/2004	0720	#5e	Boundary Verification	0.010
1571	26011	4/8/2004	0720	#6ne	Boundary Verification	0.019
1571	26012	4/8/2004	0720	#7sw	Boundary Verification	0.000
1571	26007	4/8/2004	0720	#2w	Boundary Verification	0.002
1571	26006	4/8/2004	0720	#1nw	Boundary Verification	0.000
1571	26013	4/8/2004	0720	#7sw	Boundary Verification	0.014
1571	26014	4/8/2004	0720	#9n	Boundary Verification	0.000
1571	25913	4/9/2004	0726	#3w	Posting Verification	0.017
1571	25914	4/9/2004	0726	#4se	Posting Verification	0.006
1571	25916	4/9/2004	0726	#6ne	Posting Verification	0.011
1571	25915	4/9/2004	0726	#5e	Posting Verification	0.000
1571	25918	4/9/2004	0726	#8n	Boundary Verification	0.000
1571	25917	4/9/2004	0726	#7sw	Posting Verification	0.084
1571	25919	4/9/2004	0726	#9n	Boundary Verification	0.000
1571	25911	4/9/2004	0726	#1nw	Boundary Verification	0.000
1571	25912	4/9/2004	0726	#2w	Boundary Verification	0.008

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	26036	4/12/2004	0730	#2w	Posting Verification	0.012
1569	26037	4/12/2004	0730	#3sw	Boundary Verification	0.095
1569	26038	4/12/2004	0730	#4se	Boundary Verification	0.000
1569	26039	4/12/2004	0730	#5e	Boundary Verification	0.010
1569	26041	4/12/2004	0730	#7sw	Boundary Verification	0.034
1569	26042	4/12/2004	0730	#8n	Boundary Verification	0.000
1569	26043	4/12/2004	0730	#9n	Boundary Verification	0.000
1569	26040	4/12/2004	0730	#6ne	Boundary Verification	0.014
1569	26035	4/12/2004	0730	#1nw	Posting Verification	0.000
1569	26060	4/13/2004	0741	#8n	Boundary Verification	0.000
1569	26061	4/13/2004	0741	#9n	Boundary Verification	0.005
1569	26055	4/13/2004	0741	#3sw	Boundary Verification	0.019
1569	26056	4/13/2004	0741	#4se	Boundary Verification	0.000
1569	26057	4/13/2004	0741	#5e	Boundary Verification	0.006
1569	26058	4/13/2004	0741	#6ne	Boundary Verification	0.026
1569	26059	4/13/2004	0741	#7sw	Boundary Verification	0.066
1569	26053	4/13/2004	0741	#1nw	Posting Verification	0.000
1569	26054	4/13/2004	0741	#2w	Posting Verification	0.033
1569	26075	4/14/2004	0747	#7sw	Boundary Verification	0.024
1569	26076	4/14/2004	0747	#8n	Posting Verification	0.000
1569	26077	4/14/2004	0747	#9n	Boundary Verification	0.000
1569	26070	4/14/2004	0747	#2w	Posting Verification	0.022
1569	26072	4/14/2004	0747	#4se	Boundary Verification	0.011
1569	26069	4/14/2004	0747	#1nw	Posting Verification	0.000
1569	26071	4/14/2004	0747	#3sw	Boundary Verification	0.008
1569	26073	4/14/2004	0747	#5e	Boundary Verification	0.009
1569	26074	4/14/2004	0747	#6ne	Boundary Verification	0.004
1569	26095	4/15/2004	0754	#8n	Posting Verification	0.025
1569	26094	4/15/2004	0754	#7sw	Boundary Verification	0.084
1569	26088	4/15/2004	0754	#1nw	Posting Verification	0.006
1569	26089	4/15/2004	0754	#2w	Posting Verification	0.014
1569	26092	4/15/2004	0754	#5e	Boundary Verification	0.003
1569	26093	4/15/2004	0754	#6ne	Boundary Verification	0.577
1569	26090	4/15/2004	0754	#3sw	Boundary Verification	0.000
1569	26091	4/15/2004	0754	#4se	Boundary Verification	0.000
1569	26096	4/15/2004	0754	#9	Posting Verification	0.000
1569	26107	4/16/2004	0762	#1nw	Posting Verification	0.015
1569	26108	4/16/2004	0762	#2w	Posting Verification	0.008
1569	26113	4/16/2004	0762	#7sw	Boundary Verification	0.000
1569	26109	4/16/2004	0762	#3sw	Boundary Verification	0.000
1569	26110	4/16/2004	0762	#4se	Boundary Verification	0.000
1569	26111	4/16/2004	0762	#5e	Boundary Verification	0.000
1569	26112	4/16/2004	0762	#6ne	Boundary Verification	0.045
1569	26114	4/16/2004	0762	#8n	Boundary Verification	0.000
1569	26115	4/16/2004	0762	#9n	Boundary Verification	0.000

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	26150	4/19/2004	0765	#7sw	Boundary Verification	0.011
1569	26144	4/19/2004	0765	#1nw	Posting Verification	0.000
1569	26145	4/19/2004	0765	#2w	Posting Verification	0.007
1569	26147	4/19/2004	0765	#4se	Boundary Verification	0.000
1569	26148	4/19/2004	0765	#5e	Boundary Verification	0.004
1569	26149	4/19/2004	0765	#6ne	Boundary Verification	0.019
1569	26151	4/19/2004	0765	#8n	Posting Verification	0.000
1569	26152	4/19/2004	0765	#9n	Boundary Verification	0.000
1569	26146	4/19/2004	0765	#3sw	Boundary Verification	0.003
1569	26181	4/20/2004	0768	#6ne	Boundary Verification	0.005
1569	26178	4/20/2004	0768	#3sw	Boundary Verification	0.000
1569	26179	4/20/2004	0768	#4se	Boundary Verification	0.000
1569	26180	4/20/2004	0768	#5e	Boundary Verification	0.000
1569	26182	4/20/2004	0768	#7sw	Boundary Verification	0.021
1569	26176	4/20/2004	0768	#1nw	Posting Verification	0.006
1569	26183	4/20/2004	0768	#8n	Posting Verification	0.000
1569	26184	4/20/2004	0768	#9n	Posting Verification	0.000
1569	26177	4/20/2004	0768	#2w	Posting Verification	0.007
1571	26197	4/21/2004	0778	#4se	Boundary Verification	0.000
1571	26198	4/21/2004	0778	#5e	Boundary Verification	0.000
1571	26199	4/21/2004	0778	#6ne	Boundary Verification	0.003
1571	26200	4/21/2004	0778	#7sw	Boundary Verification	0.000
1571	26196	4/21/2004	0778	#3sw	Posting Verification	0.000
1571	26195	4/21/2004	0778	#2w	Posting Verification	0.003
1571	26201	4/21/2004	0778	#8n	Boundary Verification	0.000
1571	26202	4/21/2004	0778	#9n	Boundary Verification	0.004
1571	26219	4/22/2004	0783	#7sw	Boundary Verification	0.007
1571	26215	4/22/2004	0783	#3sw	Boundary Verification	0.000
1571	26216	4/22/2004	0783	#4se	Boundary Verification	0.000
1571	26217	4/22/2004	0783	#5e	Boundary Verification	0.000
1571	26218	4/22/2004	0783	#6ne	Boundary Verification	0.002
1571	26220	4/22/2004	0783	#8n	Posting Verification	0.000
1571	26221	4/22/2004	0783	#9n	Boundary Verification	0.000
1571	26214	4/22/2004	0783	#2w	Posting Verification	0.005
1571	26213	4/22/2004	0783	#1nw	Posting Verification	0.000
1571	26165	4/23/2004	0792	#4se	Boundary Verification	0.000
1571	26166	4/23/2004	0792	#5e	Boundary Verification	0.000
1571	26168	4/23/2004	0792	#7sw	Boundary Verification	0.000
1571	26167	4/23/2004	0792	#6ne	Boundary Verification	0.003
1571	26164	4/23/2004	0792	#3sw	Boundary Verification	0.000
1571	26163	4/23/2004	0792	#2w	Posting Verification	0.002
1571	26162	4/23/2004	0792	#1nw	Posting Verification	0.000
1571	26169	4/23/2004	0792	#8n	Posting Verification	0.000
1571	26170	4/23/2004	0792	#9n	Boundary Verification	0.000
1569	26265	4/26/2004	0790	#9n	Boundary Verification	0.000

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	26257	4/26/2004	0790	#1nw	Posting Verification	0.000
1569	26258	4/26/2004	0790	#2w	Posting Verification	0.005
1569	26262	4/26/2004	0790	#6ne	Boundary Verification	0.016
1569	26263	4/26/2004	0790	#7sw	Boundary Verification	0.000
1569	26264	4/26/2004	0790	#8n	Posting Verification	0.000
1569	26259	4/26/2004	0790	#3sw	Boundary Verification	0.000
1569	26260	4/26/2004	0790	#4se	Boundary Verification	0.000
1569	26261	4/26/2004	0790	#5e	Boundary Verification	0.000
1571	26293	4/27/2004	0804	#1nw	Posting Verification	0.000
1571	26294	4/27/2004	0804	#2w	Posting Verification	0.005
1571	26295	4/27/2004	0804	#3sw	Boundary Verification	0.000
1571	26296	4/27/2004	0804	#4se	Boundary Verification	0.000
1571	26297	4/27/2004	0804	#5e	Boundary Verification	0.000
1571	26298	4/27/2004	0804	#6ne	Boundary Verification	0.001
1571	26299	4/27/2004	0804	#7sw	Boundary Verification	0.000
1571	26301	4/27/2004	0804	#9n	Boundary Verification	0.000
1571	26300	4/27/2004	0804	#8n	Boundary Verification	0.000
1571	26282	4/28/2004	0801	#7sw	Boundary Verification	0.000
1571	26276	4/28/2004	0801	#1nw	Posting Verification	0.010
1571	26277	4/28/2004	0801	#2w	Posting Verification	0.004
1571	26283	4/28/2004	0801	#8n	Boundary Verification	0.005
1571	26284	4/28/2004	0801	#9	Boundary Verification	0.000
1571	26278	4/28/2004	0801	#3sw	Boundary Verification	0.000
1571	26279	4/28/2004	0801	#4se	Boundary Verification	0.003
1571	26280	4/28/2004	0801	#5e	Boundary Verification	0.000
1571	26281	4/28/2004	0801	#6ne	Boundary Verification	0.006
1571	26310	4/29/2004	0820	#1nw	Posting Verification	0.000
1571	26311	4/29/2004	0820	#2w	Posting Verification	0.002
1571	26312	4/29/2004	0820	#3sw	Boundary Verification	0.003
1571	26313	4/29/2004	0820	#3se	Boundary Verification	0.003
1571	26314	4/29/2004	0820	#5e	Boundary Verification	0.000
1571	26315	4/29/2004	0820	#6ne	Boundary Verification	0.003
1571	26316	4/29/2004	0820	#7sw	Boundary Verification	0.007
1571	26318	4/29/2004	0820	#9ne	Boundary Verification	0.000
1571	26317	4/29/2004	0820	#8n	Posting Verification	0.000
1569	26332	4/30/2004	0822	#5e	Boundary Verification	0.000
1569	26333	4/30/2004	0822	#6ne	Boundary Verification	0.017
1569	26330	4/30/2004	0822	#3w	Boundary Verification	0.000
1569	26334	4/30/2004	0822	#7sw	Boundary Verification	0.007
1569	26331	4/30/2004	0822	#4se	Boundary Verification	0.000
1569	26328	4/30/2004	0822	#1nw	Posting Verification	0.012
1569	26329	4/30/2004	0822	#2w	Posting Verification	0.068
1569	26335	4/30/2004	0822	#8n	Posting Verification	0.000
1569	26336	4/30/2004	0822	#9ne	Boundary Verification	0.000
1571	26343	4/30/2004	0822	east	Posting Verification	0.000

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	26417	5/3/2004	0830	#3sw	Boundary Verification	0.030
1569	26418	5/3/2004	0830	#4se	Boundary Verification	0.009
1569	26419	5/3/2004	0830	#5e	Boundary Verification	0.010
1569	26421	5/3/2004	0830	#7sw	Boundary Verification	0.032
1569	26420	5/3/2004	0830	#6ne	Boundary Verification	0.018
1569	26422	5/3/2004	0830	#8n	Posting Verification	0.000
1569	26423	5/3/2004	0830	#9ne	Boundary Verification	0.000
1569	26415	5/3/2004	0830	#1nw	Posting Verification	0.006
1569	26416	5/3/2004	0830	#2w	Posting Verification	0.006
1569	26441	5/4/2004	0839	#7sw	Boundary Verification	0.011
1569	26437	5/4/2004	0839	#3sw	Boundary Verification	0.004
1569	26438	5/4/2004	0839	#4se	Boundary Verification	0.000
1569	26440	5/4/2004	0839	#6ne	Boundary Verification	0.010
1569	26442	5/4/2004	0839	#8n	Boundary Verification	0.000
1569	26439	5/4/2004	0839	#5e	Boundary Verification	0.003
1569	26443	5/4/2004	0839	#9ne	Boundary Verification	0.004
1569	26435	5/4/2004	0839	#1nw	Posting Verification	0.005
1569	26436	5/4/2004	0839	#2w	Posting Verification	0.004
1569	26454	5/5/2004	0842	#1nw	Posting Verification	0.000
1569	26455	5/5/2004	0842	#2w	Posting Verification	0.003
1569	26460	5/5/2004	0842	#7sw	Boundary Verification	0.007
1569	26461	5/5/2004	0842	#8n	Boundary Verification	0.000
1569	26462	5/5/2004	0842	#9ne	Boundary Verification	0.000
1569	26457	5/5/2004	0842	#4se	Boundary Verification	0.000
1569	26458	5/5/2004	0842	#5e	Boundary Verification	0.000
1569	26456	5/5/2004	0842	#3sw	Boundary Verification	0.000
1569	26459	5/5/2004	0842	#6ne	Boundary Verification	0.002
1571	26469	5/5/2004	0846	east	Job Coverage	0.000
1571	26470	5/5/2004	0846	east	Posting Verification	0.011
1569	26396	5/6/2004	0855	#1nw	Posting Verification	0.003
1569	26397	5/6/2004	0855	#2w	Posting Verification	0.007
1569	26398	5/6/2004	0855	#3sw	Boundary Verification	0.003
1569	26399	5/6/2004	0855	#4se	Boundary Verification	0.003
1569	26400	5/6/2004	0855	#5e	Boundary Verification	0.000
1569	26402	5/6/2004	0855	#7sw	Boundary Verification	0.019
1569	26401	5/6/2004	0855	#6ne	Boundary Verification	0.067
1569	26403	5/6/2004	0855	#8n	Boundary Verification	0.000
1569	26404	5/6/2004	0855	#9ne	Boundary Verification	0.000
1569	26624	5/10/2004	0861	#7sw	Boundary Verification	0.004
1569	26618	5/10/2004	0861	#1nw	Posting Verification	0.012
1569	26619	5/10/2004	0861	#2w	Posting Verification	0.046
1569	26621	5/10/2004	0861	#4se	Boundary Verification	0.013
1569	26620	5/10/2004	0861	#3sw	Boundary Verification	0.000
1569	26622	5/10/2004	0861	#5e	Boundary Verification	0.074
1569	26623	5/10/2004	0861	#6ne	Boundary Verification	0.033

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1569	26625	5/10/2004	0861	#8n	Boundary Verification	0.012
1569	26626	5/10/2004	0861	#9ne	Boundary Verification	0.000
1571	26588	5/11/2004	0863	#7sw	Boundary Verification	0.020
1571	26582	5/11/2004	0863	#1nw	Posting Verification	0.016
1571	26583	5/11/2004	0863	#2w	Posting Verification	0.051
1571	26587	5/11/2004	0863	#6ne	Boundary Verification	0.014
1571	26584	5/11/2004	0863	#3sw	Boundary Verification	0.009
1571	26585	5/11/2004	0863	#4se	Boundary Verification	0.000
1571	26586	5/11/2004	0863	#5e	Boundary Verification	0.010
1571	26613	5/11/2004	0868	east end	Job Coverage	0.000
1571	26589	5/11/2004	0863	#8n	Boundary Verification	0.000
1571	26566	5/12/2004	0875	#4se	Boundary Verification	0.058
1571	26565	5/12/2004	0875	#3sw	Boundary Verification	0.003
1571	26567	5/12/2004	0875	#5e	Boundary Verification	0.000
1571	26564	5/12/2004	0875	#2w	Posting Verification	0.072
1571	26563	5/12/2004	0875	#1nw	Posting Verification	0.030
1571	26572	5/13/2004	0878	#1nw	Posting Verification	0.005
1571	26573	5/13/2004	0878	#2w	Posting Verification	0.009
1571	26574	5/13/2004	0878	#3sw	Boundary Verification	0.000
1571	26575	5/13/2004	0878	#7sw	Boundary Verification	0.006
1571	26551	5/13/2004	0880	west	Posting Verification	0.000
1571	26550	5/13/2004	0880	east	Posting Verification	0.000
1571	26599	5/14/2004	0888	#2w	Posting Verification	0.000
1571	26601	5/14/2004	0888	#5e	Boundary Verification	0.000
1571	26598	5/14/2004	0888	#1nw	Posting Verification	0.000
1571	26602	5/14/2004	0888	#7sw	Boundary Verification	0.005
1571	26600	5/14/2004	0888	#3sw	Boundary Verification	0.000
1571	26609	5/14/2004	0889	west	Boundary Verification	0.000
1571	26610	5/14/2004	0889	west end	Posting Verification	0.000
1571	26611	5/14/2004	0889	east end	Posting Verification	0.003
1569	26712	5/17/2004	0894	#3sw	Boundary Verification	0.000
1569	26713	5/17/2004	0894	#5e	Boundary Verification	0.000
1571	26760	5/17/2004	0893	east end	Posting Verification	0.000
1571	26762	5/17/2004	0893	west end	Posting Verification	0.000
1569	26710	5/17/2004	0894	#1nw	Posting Verification	0.000
1569	26711	5/17/2004	0894	#2w	Posting Verification	0.000
1569	26714	5/17/2004	0894	#7sw	Boundary Verification	0.003
1569	26730	5/18/2004	0901	#7sw	Boundary Verification	0.000
1569	26726	5/18/2004	0901	#1nw	Posting Verification	0.000
1569	26727	5/18/2004	0901	#2w	Posting Verification	0.000
1569	26728	5/18/2004	0901	#3sw	Boundary Verification	0.000
1569	26729	5/18/2004	0901	#5e	Boundary Verification	0.000
1571	26742	5/18/2004	0899	3 east	Posting Verification	0.000
1571	26743	5/18/2004	0899	1 south	Boundary Verification	0.000
1571	26744	5/18/2004	0899	2 west	Boundary Verification	0.004

RwpNo	SampleId	StartTime	RSDSNo	Area	Purpose	TotalDac
1571	26749	5/19/2004	0902	#7sw	Boundary Verification	0.003
1571	26725	5/19/2004	0906	#3e	Boundary Verification	0.000
1571	26745	5/19/2004	0902	#1nw	Posting Verification	0.000
1571	26746	5/19/2004	0902	#2w	Boundary Verification	0.000
1571	26723	5/19/2004	0906	#1 south	Boundary Verification	0.003
1571	26724	5/19/2004	0906	#2w	Boundary Verification	0.000
1571	26747	5/19/2004	0902	#3sw	Boundary Verification	0.008
1571	26748	5/19/2004	0902	#5e	Boundary Verification	0.000

Max	6.664
Average	0.026
Standard Deviation	0.317
Confidence Interval	0.029
n	455