

# START

Meeting Minutes Transmittal - Approved

0036271

Unit Managers' Meeting  
200 West Area Ash Pit Demolition Site Closure Plan  
2440 Stevens Center Place, Room 2519  
Richland, Washington

Meeting Held March 23, 1994  
From 8:00 to 9:00 a.m.

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Unit Managers Meeting.

*Randall N. Krekel* Date: 4-20-94  
Randall N. Krekel, Unit Manager, RL

NOT PRESENT

Date: \_\_\_\_\_  
Daniel L. Duncan, RCRA Program Manager, EPA Region 10

*Fenggang Ma* Date: 4/20/94  
Fenggang Ma, Unit Manager, Washington State Department of Ecology

200 West Area Ash Pit Demolition Site Closure Plan, WHC Concurrence

*Fred A. Ruck III* Date: 4/20/94  
Fred A. Ruck III, Contractor Representative, WHC

Purpose: Discuss Permitting Process

Meeting Minutes are attached. The minutes are comprised of the following:

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments/Agreements
- Attachment 3 - Attendance List
- Attachment 4 - Action Items
- Attachment 5 - Sampling and Analysis Plan Agreement Package



4824-0225-116

**Attachment 1**

**Unit Managers' Meeting  
200 West Area Ash Pit Demolition Site Closure Plan  
2440 Stevens Center Place, Room 2519  
Richland, Washington**

**Meeting Held March 23, 1994  
From 8:00 to 9:00 a.m.**

**Agenda**

1. Approval of Past UMM Minutes
2. Status Action Items  
-No open action items
3. Status Closure Activities  
-Status of NOD Comments Response Table
4. New Business  
-Open Discussion
5. Set Next Meeting Date

9113220-4285

## Attachment 2

Unit Managers' Meeting  
200 West Area Ash Pit Demolition Site Closure Plan  
2440 Stevens Center Place, Room 2519  
Richland, Washington

Meeting Held March 23, 1994  
From 8:00 to 9:00 a.m.

### Summary of Discussion and Commitments/Agreements

#### 1. Approval of Past UMM Minutes

The February 25, 1994, Unit Managers' Meeting Minutes were reviewed and signed by the Ecology and RL Unit Managers.

#### 2. Status Action Items:

-No Open Action Items

There was no discussion.

#### 3. Status Closure Activities:

-Status NOD Comments (On Schedule)

WHC (D. M. Korematsu-Olund) reviewed the Sampling Analysis Plan (SAP) agreements discussed at the Data Quality Objective (DQO) meeting held on March 10, 1994. The agreement was to look for volatiles, semivolatiles, metals, detonation residues, anions, nitrates and nitrites with a total of 9 samples (plus 3 Quality Assurance samples). While reviewing the surface sample locations, Ecology (F. Ma) requested that the location for one of the samples designated within the first radii be changed. WHC (D. Korematsu-Olund) agreed to the change for the sample location. This change is incorporated in attachment #5. All parties (Ecology, RL, and WHC) concurred with all final SAP agreements presented (see attachment #5).

RL (R. N. Krekel) requested that at the next UMM, WHC provide a completion date for the draft SAP. WHC (D. M. Korematsu-Olund) agreed to follow up on the status of the SAP.

#### 4. New business:

-Open discussion

No new business.

#### 5. Set new meeting date:

The next Unit Managers Meeting was scheduled for April 20, 1994 8:00-10:00 a.m. Richland, WA.

9871 0728 146



Attachment 4

Unit Managers' Meeting  
200 West Area Ash Pit Demolition Site Closure Plan  
2440 Stevens Center Place, Room 2519  
Richland, Washington

Meeting Held March 23, 1994  
From 8:00 to 9:00 a.m.

Action Items

Action Item #

Description

3-23-94:

No action items resulted from this meeting.

940322.4289

Attachment 5

Unit Managers' Meeting  
200 West Area Ash Pit Demolition Site Closure Plan  
2440 Stevens Center Place, Room 2519  
Richland, Washington

Meeting Held March 23, 1994  
From 8:00 to 9:00 a.m.

Sampling and Analysis Plan Agreement Package

6824 0726 116

## 200 West Area Ash Pit

### Information Sheet

List of Discarded Explosive Chemicals-see attachment 1ashpit.

Original size of the pit at time of detonation: 3 feet in diameter and 1 foot (max.) deep, pit sloped to center.

There were two separate detonation events, two years apart.

Detonation Date: Nov. 1984.

Weather conditions were approx. 45°F, winds less than 15 mph, no rain or snow.

Detonation Date: June 25, 1986.

Weather conditions were approx. 95°F, winds @ 10 mph, clear sky, no rain.

During the June 1986 demolition activity, 2 gallons of unleaded gasoline was placed with the standard detonating products.

All discarded explosive chemicals were contained in their original closed containers until released by the explosion force

917220-129

200 West Area Ash Pit

Sampling and Analysis Plan Agreements

Issue: Type of analysis required

<b>SW-846</b>	<b><u>Tentatively identified compounds (TIC)</u></b>
<b>8240</b>	<b>Volatile Organics</b>
<b>8270</b>	<b>Semi Volatile Organics</b>
<b>6010</b>	<b>Metals</b>
<b>8330</b>	<b>Detonation Residues</b>
<b>EPA 300.0</b>	<b>Anions</b>
<b>EPA 353.1 or 353.2 or 353.3</b>	<b>Nitrate-Nitrite</b>

Unleaded Gasoline components can be identified under TIC, using method SW-846 8270.

Issue: Site Sampling locations and field procedures

**Field Procedures**

-Remove wind blown sand to expose pit bottom.

**Sampling Area**

-Sample within 3 concentric sections that radiate out from the center of the site. (See attached diagram for detailed locations of sampling sites and sampling depths).

-9 surface samples.      1 located at the center of the pit  
(0-12 inches deep)      3 located within the first radii  
   4 located within the second radii  
   1 located within the third radii

-1 sample taken at a depth between 12-18 inches in the center of the pit

-Field QC Samples:      1 duplicate (located at center 0-6")  
   1 equipment blank (clean silica sand)  
   1 trip blank (clean silica sand)

-No compositing samples

Issue: Hits

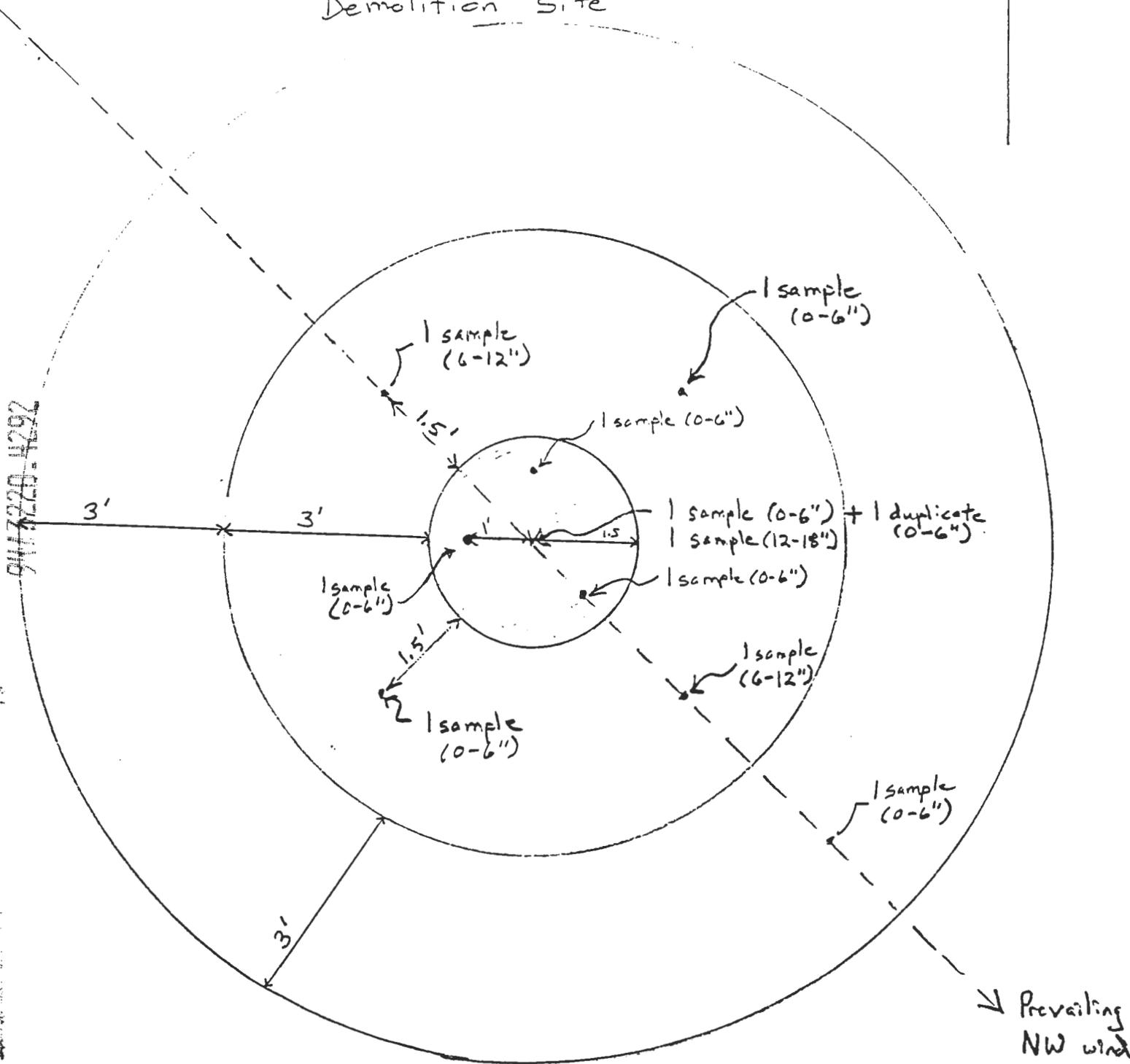
Hits- chemical concentrations above Site Wide Background (when finalized) and MTCA residential levels. Analytes from the inventory list and/or the detonation residues, that have sufficient information to calculate MTCA residential levels, will be used to evaluate the presence of contamination.

If Hits are determined then we go back and work together to establish a new approach to sampling, a newly defined boundary based on distributions observed in Phase I sample.

If NO Hits are determined then there is nothing there and no further sampling is warranted.

16210720116  
917320429

200-West Area Ash Pit  
Demolition Site



Field QC Samples

- 1 Duplicate (located at center 0-6")
- 1 Equipment Blank (clean silica sand)
- 1 Trip Blank (clean silica sand)



Environmental Characterization Samples → 10

1 ashpit

Date	Chemical I. D.	Cas #	Quantity (kg)	Flash point °C (°F)	vapor press. 20°C mmHg	Dangerous Waste Number	Source
Nov. 1984	benzene	71-43-2	9.47	-11 (12)	75	WT02, U019, WC01, D001, D018	E
	bis(2-chloroethoxy) ethane	112-26-5	3.28	121 (250)	0.1	WT02, WP01	D,R
	bromobenzene	108-86-1	17.29	51 (124)	5.0 @ 27.0°C	WT02, WP01, D001	D,R
	2-butoxyethanol	111-76-2	3.28	62 (143)	0.76	WT02	D,R
	cyclohexane	110-82-7	3.61	-20 (-4)	95	U056, D001	D,R
	diisopropyl benzene	577-55-9	6.61	78.6 (170)	NO DATA	WT02	D,R
	1, 4 dioxane	123-91-1	4.69	12 (54)	27	WT02, U108, WC01, D001	D,R
	ethylene glycol monoethyl ether	110-80-5	1.05	42 (108)	3.8	WT02, D001	D,R
	glycerin	56-81-5	7.52	180 (320)	.0025 @ 50°C	NON-REGULATED	D,#
	naphtha	8030-30-6	1.17	-50 (-57)	40	D001	D,R
	nitromethane	75-52-5	3.94	35 (95)	27.8	WT02, D001, D003	D,R
	tetrahydrofuran	109-99-9	15.79	-14 (6)	145	WT02, U213, D001	D,R
	tetrahydronaphthalene	119-64-2	6.58	71 (160)	1.0 @ 30°C	WT02	D,R
6/25/86	acrolein	107-02-8	0.4	-17 (-2)	220	WT01, P003	D,R
	aluminum chloride	7446-70-0	0.45	not flammable	1.0 @ 100°C	WT02, D002, D003	D,R
	2-butoxyethanol	111-76-2	0.95	62 (143)	0.76	WT02	D,R
	chromium metal powder	7440-47-3	0.45	NO DATA	1.0 @ 1616°C	D007	D,R
	dimethyl hydrazine	57-14-7	0.01	-15 (5)	157 @ 25°C	WT02, U098, WC01, D001	D,R
	ethyl ether	60-29-7	28	-45	442	WT02, U117, D001	D,R
	hydrazine	302-01-2	1	38 (100)	10.4	WT02, U133, WC01, D001, D002, D003	D,R
	isopropyl ether	108-20-3	1	-28 (-18)	130	WT02, D001	D,R
	lithium hydride	7580-67-8	0.23	NO DATA	0	D001, D003	D,R
	p-nitrobenzoyl chloride	122-04-3	0.1	NO DATA	negligible	NON-REGULATED	D,R
	phenyl ether	101-84-8	0.24	115 (239)	.02 @ 25°C	WT02, D001	D,R
	picric acid	88-89-1	0.2	150	1	D003	D,R
	picryl chloride	88-88-0	0.3	NO DATA	NO DATA	D003	D,R
	sodium peroxide	1313-60-6	0.34	NO DATA	NO DATA	D001, D003	D,R
	tetrahydrofuran	109-99-9	6.1	-14 (6)	145	WT02, U213, D001	D,R
	triethylborane in hexane	97-94-9	0.5	35.5 (-32)	NO DATA	WT02, D001, D003	D,R
	benzene (20%)	71-43-2	total amt. 5.0	-11 (12)	75	WT02, U019, WC01, D001, D018	D,R
	ethyl acetate (20%)	141-78-6		-4	73	U112, D001, D003	
	ethyl ether (10%)	60-29-7		-45	442	WT02, U117, D001	
	hydrogen sulfide (1.0%)	7783-06-4		NO DATA	15200 @ 25°C	U135, D001	
	methanol (29%)	67-56-1		11 (52)	97.25	WT02, U154, D001	
	tetrahydrofuran (10 %)	109-99-9		-14 (6)	145	WT02, U213, D001	
	toluene (10 %)	108-88-3		4 (40)	22	WT02, U220, D001	
	benzene	71-43-2	total amt. 4.0	-11 (12)	75	WT02, U019, WC01, D001, D018	D,R
	ethyl acetate	141-78-6		7.2 ( )	73	U112, D001, D003	
	ethyl ether	60-29-7		-45	442	WT02, U117, D001	
	petroleum ether	8032-32-4		0.0 (32)	NO DATA	D001	
	toluene	108-88-3		16	22	WT02, U220, D001	
	di-ethyl ether (50%)	60-29-7	total amt. 4.0	-45 (-49)	442	WT02, U117, D001	
	heptane (50%)	142-82-5		-4 (25)	40	D001	
	allyl magnesium bromide (22%)	1730-25-2	total amt. 1.0	NO DATA	NO DATA	NO DATA	
	ethyl ether (78%)	60-29-7		-45 (-49)	442	WT02, U117, D001	
	benzene	71-43-2	total amt. 1.0	-11 (12)	75	WT02, U019, WC01, D001, D018	
	butyllithium	109-72-8		(-1.0)	NO DATA	D001, D003	
	hexane	110-54-3		-22.7 (-9)	124	D001	D,R
	tetrahydrofuran	109-99-9		-14 (6)	145	WT02, U213, D001	

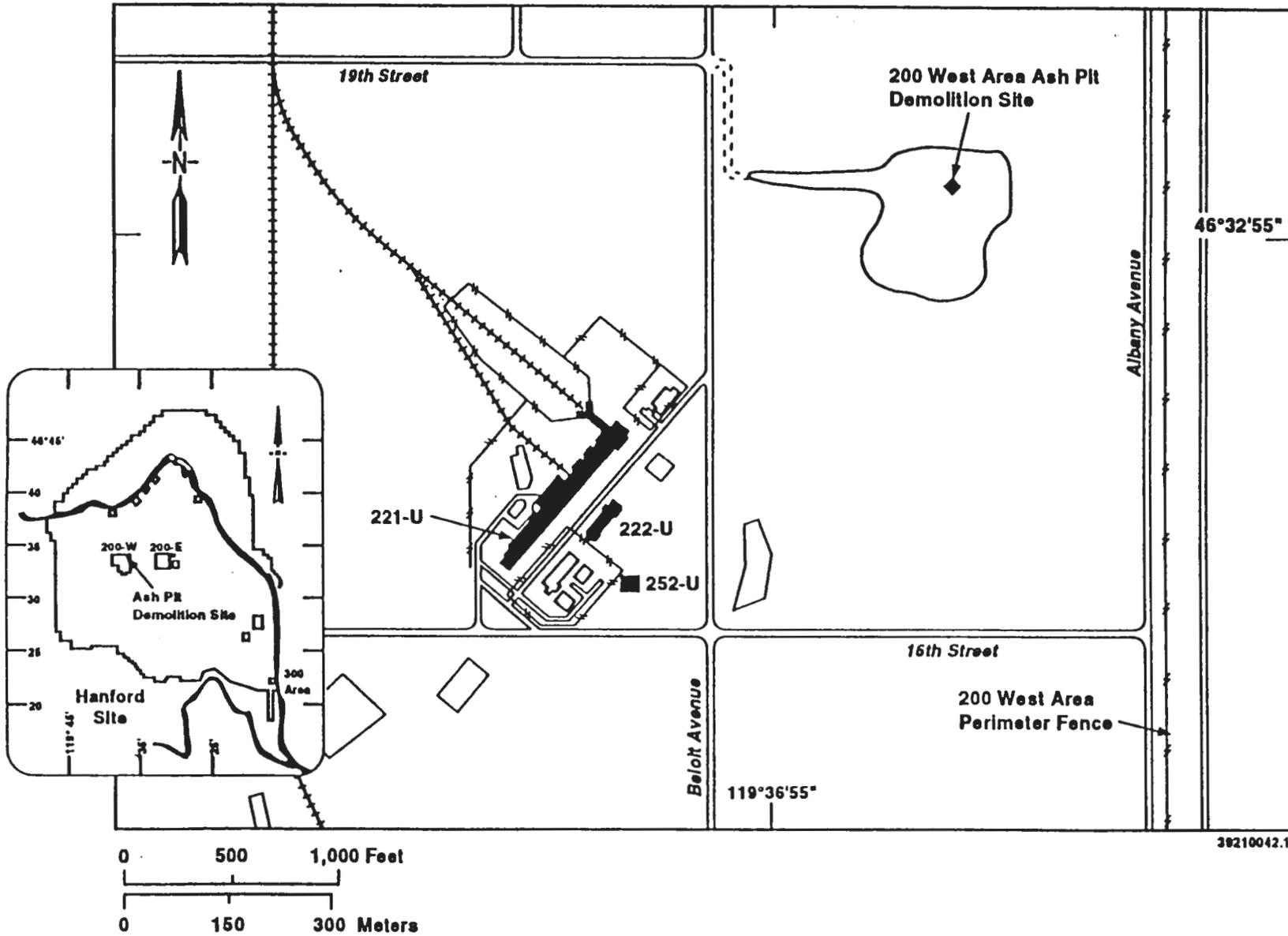
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mixtures  
mixtures  
mixtures  
mixtures



9473220.4294

# 200 West Area Ash Pit Demolition Site Site Plan





Distribution

J. K. Bartz	GSSC	B1-42
R. E. Bolls	WHC	T3-04
R. M. Carosino	RL	A4-52
D. L. Duncan	EPA-Seattle	HW-106
D. M. Korematsu-Olund	WHC	H6-23
R. N. Krekel	RL	A5-15
J. G. Lucas	WHC	H6-04
F. Ma	Ecology	B5-18
P. J. Macbeth	MACTEC	R3-82
E. D. Macalister	RL	R3-80
P. J. Mackey	WHC	B3-15
R. D. Pierce	WHC	T3-04
S. M. Price	WHC	H6-23
M. R. Romsos	WHC	T3-04
F. A. Ruck III	WHC	H6-23
W. A. Skelly	WHC	H6-03
J. L. Waite	WHC	B2-35
Field File Custodian	WHC	H6-08
GHL/RCRA File	WHC	H6-23

ADMINISTRATIVE RECORD: 200 West Area Ash Pit Demolition Site Closure Plan,  
T-2-2 [Care of EDIC, WHC (H6-08)]

Washington State Department of Ecology Nuclear and Mixed Waste Hanford Files,  
P.O. Box 47600, Olympia, Washington 98504-7600

Environmental Protection Agency Region 10, Seattle, Washington 98101,  
(Record Center)-Mail Stop HW-074

Please send comments on distribution list to Kym Tarter (H6-23), 376-4701.

9413220.4296